

3.4.6 Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	
1	S. K. Patra	Nuclear Structure Physics (Book)				International	2020	9780429288647	IOP	CRC Press	IOP
2	C. Soumya	Springer Proc.Phys	Lorentz Invariance Violation and Long Baseline Experiments	Workshop on Frontiers in High Energy Physics		International	2020	9789811562914	IOP	Springer	IOP
3	S. N. Sarangi	Handbook	Bioinspired Systems and Methods			International	2020	9780429351525	IOP	Taylor & Francis	IOP
4	Saurabh, S		2-Approximating Feedback Vertex Set in Tournaments	PROCEEDINGS OF THE THIRTY-FIRST ANNUAL ACM-SIAM SYMPOSIUM ON DISCRETE ALGORITHMS (SODA'20)	31st Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)	International	2020	15496325, 15496333	The Institute of Mathematical Sciences, Chennai	ASSOCIATION FOR COMPUTING MACHINERY	IMSc
5	Saurabh, S		Parameterized Complexity and Approximability of Directed Odd Cycle Transversal	PROCEEDINGS OF THE THIRTY-FIRST ANNUAL ACM-SIAM SYMPOSIUM ON DISCRETE ALGORITHMS (SODA'20)	31st Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)	International	2020	DOI:10.1137/1.9781611975994.134	The Institute of Mathematical Sciences, Chennai	ASSOCIATION FOR COMPUTING MACHINERY	IMSc
6	Ramanujam, R		Verifying Implicitly Quantified Modal Logic over Dynamic Networks of Processes	DISTRIBUTED COMPUTING AND INTERNET TECHNOLOGY (ICDCIT 2020)	16th International Conference on Distributed Computing and Internet Technology (ICDCIT)	International	2020	978-3-030-36987-3; 978-3-030-36986-6	The Institute of Mathematical Sciences, Chennai	SPRINGER INTERNATIONAL PUBLISHING AG	IMSc
7	Saurabh, S		An Exponential Time Parameterized Algorithm for Planar Disjoint Paths	PROCEEDINGS OF THE 52ND ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '20)	52nd Annual ACM SIGACT Symposium on Theory of Computing (STOC)	International	2020	978-1-4503-6979-4	The Institute of Mathematical Sciences, Chennai	ASSOCIATION FOR COMPUTING MACHINERY	IMSc
8	Saurabh, S		Hitting Topological Minors Is FPT	PROCEEDINGS OF THE 52ND ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '20)	52nd Annual ACM SIGACT Symposium on Theory of Computing (STOC)	International	2020	978-1-4503-6979-4	The Institute of Mathematical Sciences, Chennai	ASSOCIATION FOR COMPUTING MACHINERY	IMSc
9	C. R. Subramanian	Algorithms and Discrete Applied Mathematics		Proceeding of the 7th International Conference, CALDAM 2021, Rupnagar, India	CALDAM: Conference on Algorithms and Discrete Applied Mathematics	International	2021	978-3-030-67899-9	The Institute of Mathematical Sciences, Chennai	SPRINGER INTERNATIONAL PUBLISHING AG	IMSc
10	Narayanan, MM; Arjun, V; Kumar, A; Mukhopadhyay, CK		Development of in-bore magnetostrictive transducer for ultrasonic guided wave based - inspection of steam generator tubes of PFBR			International	2020	0041-624X	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
11	Shukla, B; Shwetha, G; Kumar, NRS; Shekar, NVC		Structural stability and anomalous compressibility of isolectronic compounds- URh3 and UIr3	PHYSICA B-CONDENSED MATTER		International	2021	0921-4526	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
12	Kumar, JG; Vijayanand, VD; Laha, K		Finite Element Simulation of Plastic Deformation of 316LN Stainless Steel during Automated Ball Indentation Test	JOURNAL OF TESTING AND EVALUATION		International	2020	0090-3973	Indira Gandhi Centre for Atomic Research	AMER SOC TESTING MATERIALS	IGCAR
13	Toppo, A; Shankar, V; George, RP; Philip, J		Effect of Nitrogen on the Intergranular Stress Corrosion Cracking Resistance of 316LN Stainless Steel	CORROSION		International	2020	0010-9312	Indira Gandhi Centre for Atomic Research	NATL ASSOC CORROSION ENG	IGCAR

14	Shankar, AR; Shankar, V; George, RP; Phillip, J		Enhancing the Intergranular Corrosion Resistance of High-Nitrogen-Containing 316L Stainless Steels by Grain Boundary Engineering via Thermomechanical Treatment	CORROSION		International	2020	0010-9312	Indira Gandhi Centre for Atomic Research	NATL ASSOC CORROSION ENG	IGCAR
15	Rout, A; Venkatesan, KA		Synergic extraction of europium(III) in hydrophobic ammonium ionic liquid containing neutral and acidic extractants	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
16	Bharasi, NS; Toppo, A; Paul, VT; George, RP; Phillip, J		Studies on the Susceptibility of Modified 9Cr-1Mo Steel to Stress Corrosion Cracking in Sodium Hydroxide Using Slow Strain Rate Testing Technique	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		International	2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
17	Srivastava, SK; Gangopadhyay, P; Chinnathambi, S; Magudapathy, P		Ion-beam induced luminescence and optical response measurement setup at IGCAR: First experimental results	AIP ADVANCES			2020		Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
18	Patel, R; Gireesan, K; Sengottuvel, S; Janawadkar, MP; Radhakrishnan, TS		Common Methodology for Cardiac and Ocular Artifact Suppression from EEG Recordings by Combining Ensemble Empirical Mode Decomposition with Regression Approach (vol 37, pg 201, 2017)	JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING		International	2020	1609-0985	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR
19	Rao, CJ; Ningshen, S		High temperature molten salt corrosion of structural materials in UCl <sub>3</sub> -LiCl-KCl	CORROSION ENGINEERING SCIENCE AND TECHNOLOGY		International	2020	1478-422X	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
20	Shankar, AR; Praveen, K; Polaki, SR; Vanithakumari, SC; Krishna, NG; Srivani, L; George, RP; Phillip, J		Failure of Printed Circuit Boards during Storage and Service: Leaked Capacitors and White Residue	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		International	2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
21	Saravanan, T; Mahadevan, S; Mukhopadhyay, CK		An improved quality assessment of fuel pin end plug welds using digital X-ray radiography	INSIGHT		International	2020	1354-2575	Indira Gandhi Centre for Atomic Research	BRITISH INST NON-DESTRUCTIVE TESTING	IGCAR
22	Rout, A; Kumar, S; Ramanathan, N		Probing the coordination of europium(III) in a functionalized ionic liquid using luminescence spectroscopy	JOURNAL OF MOLECULAR LIQUIDS		International	2021	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
23	Mishra, S; Lawrence, F; Pandey, NK		Influence of surface area of counter electrodes in electrodenitration process	PROGRESS IN NUCLEAR ENERGY		International	2020	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
24	Arjun, V; Thirunavukkarasu, S; Kumar, A		Quality Assurance of Thin-Walled Nickel Tubes by Eddy Current (EC) Testing Using the Discrete Wavelet Transform (WDT) Processing Methodology	RESEARCH IN NONDESTRUCTIVE EVALUATION		International	2021	0934-9847	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS INC	IGCAR
25	Nashine, BK; Sharma, P; Venkatesan, N; Kumar, SK; Chandramouli, S; Prasad, RR; Vijayakumar, G; Selvaraj, P		Design, development and testing of a sodium submersible Annular Linear Induction Pump for application in sodium cooled fast reactor	ANNALS OF NUCLEAR ENERGY		International	2020	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR

26	Panda, SK; Anand, PV; Aashranth, B; Pandey, NK		Disengagement of dispersed cerium oxalate from nitric-oxalic acid medium in a batch settler: Measurements and CFD simulations	ANNALS OF NUCLEAR ENERGY		International	2020	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
27	Anushree, C; Krishna, DNG; Lahiri, BB; Philip, J		Enhanced Thermal Protection of Iron Oxide Nanoparticle by Insulating Nanoporous Char Layer: Effect of Core Size and Char Layer Properties	JOURNAL OF PHYSICAL CHEMISTRY C		International	2020	1932-7447	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
28	Sarkar, A; Ghosh, C; Nagesha, A; Mythili, R		Mechanisms of Fatigue Endurance in Alloy 617M at Different Temperatures (300-1023 K)	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		International	2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
29	Rout, A; Mishra, S; Ramanathan, N		Investigations on the physicochemical properties of a combined extractant system under unirradiated and irradiated conditions	JOURNAL OF MOLECULAR LIQUIDS		International	2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
30	Subramanian, DV; Pandikumar, G; Haridas, A; Arul, J		Measurement of decay heat in neutron irradiated (197)Au foil using whole energy absorption spectrometer	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY		International	2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
31	Ramachandran, S; Jayalal, ML; Riyas, A; Jehadeesan, R; Devan, K		Application of genetic algorithm for optimization of control rods positioning in a fast breeder reactor core	NUCLEAR ENGINEERING AND DESIGN		International	2020	0029-5493	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
32	Kumar, A; Sangeetha, DN; Yuvaraj, R; Menaka, M; Subramanian, V; Venkatraman, B		Quantitative Performance Analysis of Respiratory Facemasks Using Atmospheric and Laboratory Generated Aerosols Following with Gamma Sterilization	AEROSOL AND AIR QUALITY RESEARCH		International	2021	1680-8584	Indira Gandhi Centre for Atomic Research	TAIWAN ASSOC AEROSOL RES-TAAR	IGCAR
33	Tripathy, H; Sudha, C; Sundar, R; Ravisankar, C; Raju, S		Measurement and modelling of the thermodynamic properties of Ni51Fe36Co13 soft magnetic alloy	JOURNAL OF ALLOYS AND COMPOUNDS		International	2020	0925-8388	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
34	Rout, A; Ramanathan, N		Liquid-liquid extraction of europium(III) in an alkyl ammonium based ionic liquid containing diglycolamic acid	JOURNAL OF MOLECULAR LIQUIDS		International	2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
35	Dutt, BS; Shanthi, G; Moitra, A	Lecture Notes in Mechanical Engineering	Fracture Toughness Characterization of Mod.9Cr-1Mo Welds	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	978-981-13-8767-8; 978-981-13-8766-1/ 2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
36	Murthy, ASR; Gnanasekar, KI; Jayaraman, V		Hydrogen sensing behavior of SnO2 and In2O3 thin films in wide range of humid conditions - An exploratory data analysis	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING		International	2020	2213-3437	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
37	Ananthanarayanan, R; Siyaramakrishna, M; Panigrahi, BS		Trace determination of gadolinium by conductivity-based approach	CANADIAN JOURNAL OF CHEMISTRY		International	2020	0008-4042	Indira Gandhi Centre for Atomic Research	CANADIAN SCIENCE PUBLISHING	IGCAR
38	Hassija, V; Natesan, K; Velusamy, K		Simulation of Pressure Transients Due to Valve Chattering in a Heat Transport Circuit of a Process Plant	PROCESS INTEGRATION AND OPTIMIZATION FOR SUSTAINABILITY			2020	2509-4238	Indira Gandhi Centre for Atomic Research	SPRINGER NATURE	IGCAR

39	Krovvidi, SCSPK; Madankumar, P; Chandramouli, S; Sundarraj, SI; Sreedhar, BK; Mythili, R; Parameswaran, P; Nashine, BK; Raghupathy, S; Bhaduri, AK		Failure Analysis and Salvaging of Bellow-Sealed Sodium Valve	JOURNAL OF FAILURE ANALYSIS AND PREVENTION		International	2020	1547-7029	Indira Gandhi Centre for Atomic Research	SPRINGER NATURE	IGCAR
40	Bootharajan, M; Senthilvadivu, R; Sundararajan, K; Kumar, R		Development and validation of hybrid K-edge/K-XRF densitometer for assay of nuclear fuel from reprocessing plants	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY		International	2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
41	Kumar, D; Maharana, S; Selvaraj, T; Rajan, K; Rao, BMA; Ravisankar, A	Lecture Notes in Mechanical Engineering	Seismic Qualification of In-Cell Crane Employed in the Hot Cell of a Radio Chemical Plant	RECENT TRENDS IN WAVE MECHANICS AND VIBRATIONS, WMVC 2018	8th National Conference on Wave Mechanics and Vibrations (WMVC)	National	2020	978-981-15-0287-3; 978-981-15-0286-6/ 2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
42	Thinaharan, C; George, RP; Philip, J		In Situ Raman Spectroscopic Analysis on Carbon Steel, Immersed in Aqueous Solutions at Different pH and Anions	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
43	Anushree, C; Krishna, DNG; Philip, J		Oil-absorbent MnOx capped iron oxide nanoparticles: Synthesis, characterization and applications in oil recovery	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
44	Reddy, SR; Pandey, NK; Mondal, S; Sivaraman, N		Catalytic reduction of U(VI) with hydrazine using Pt/SiO(2) catalyst in nitric acid medium-kinetics and equilibrium	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
45	Vadivel, M; Jayakumar, S; Philip, J		Rapid removal of rhodamine dye from aqueous solution using casein-surfactant complexes: role of casein-surfactant interaction	JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY				0193-2691	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS INC	IGCAR
46	Nidhin, TS; Bhattacharyya, A; Gour, A; Behera, RP; Jayanthi, T; Velusamy, K		Measurement of Radiation Absorbed Dose Effects in SRAM-Based FPGAs	IETE JOURNAL OF RESEARCH				0377-2063	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
47	Sarkar, S; Chandra, S; Suryaprasad, B; Ramanathan, N; Sundararajan, K; Suresh, A		Conformational topography of tris(2-methylbutyl) phosphate and the influence of methyl branching at the non-hyperconjugative carbon on the conformational landscape: insights from matrix isolation infrared spectroscopy and DFT computations	PHYSICAL CHEMISTRY CHEMICAL PHYSICS			2020	1463-9076	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
48	Chandrasekaran, S; Pillai, GS; Baskaran, R; Venkatraman, B		Measurements of Natural Radionuclides by Gamma Spectrometry: Analytical and Numerical Approach with Uncertainty Evaluation	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE			2020	1028-6276	Indira Gandhi Centre for Atomic Research	SPRINGER INTERNATIONAL PUBLISHING AG	IGCAR
49	Radhakrishnan, RP; Prasad, AK; Dhara, S		Role of Native Defect in Near Room Temperature CH4 Sensing Using Nanostructured V2O5	IEEE SENSORS JOURNAL			2020	1530-437X	Indira Gandhi Centre for Atomic Research	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	IGCAR

50	Chandrasekaran, S; Pillai, GS; Baskaran, R; Venkatraman, B		UNCERTAINTY EVALUATION IN DOSE ASSESSMENT DUE TO SPATIAL DISTRIBUTION OF NORM IN BEACH SANDS OF SOUTHEAST COAST OF INDIA: A PROBABILISTIC APPROACH	RADIATION PROTECTION DOSIMETRY			2019	0144-8420	Indira Gandhi Centre for Atomic Research	OXFORD UNIV PRESS	IGCAR
51	Mohan, S; Kaur, G; David, C; Panigrahi, BK; Amarendra, G		Ab initio molecular dynamics simulation of threshold displacement energies and defect formation energies in Y4Zr3O12	JOURNAL OF APPLIED PHYSICS			2020	0021-8979	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
52	Sundaram, GB; Velusamy, K		A comparative assessment of various single tray core catcher options for future sodium cooled fast reactors	PROGRESS IN NUCLEAR ENERGY			2020	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
53	Rohith, P; Sainath, G; Choudhary, BK	Lecture Notes in Mechanical Engineering	Molecular Dynamics Simulations Study on the Grain Size Dependence of Deformation and Failure Behavior of Polycrystalline Cu	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	978-981-13-8767-8; 978-981-13-8766-1/ 2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
54	Aiswarya, PM; Ghosh, S; Ganesan, R; Gnanasekaran, T		Phase diagram studies on ternary Bi-Mo-O system	JOURNAL OF SOLID STATE CHEMISTRY			2020	0022-4596	Indira Gandhi Centre for Atomic Research	ACADEMIC PRESS INC ELSEVIER SCIENCE	IGCAR
55	Sarangapani, R; Jaffar, I; Srinivasan, TK; Mitra, A; Sultan, KB; Ganesh, KD; Annadurai, PM; Umesh, AM; Jose, MT; Kumar, KVS; Venkatraman, B		A new method for the localisation of gas leaker fuel subassemblies in fast breeder reactors	ANNALS OF NUCLEAR ENERGY			2020	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
56	Kumar, S; Maji, S; Venkatesh, M; Ganesan, R; Sundararajan, K		Fluorimetric estimation of uranium at ultra trace level in reactor grade sodium	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
57	Thamotharan, B; Venkatraman, B; Chandrasekaran, S		Identification and Segmentation of Impurities Accumulated in a Cold-Trap Device by Using Radiographic Images	INTELLIGENT AUTOMATION AND SOFT COMPUTING			2020	1079-8587	Indira Gandhi Centre for Atomic Research	TSI PRESS	IGCAR
58	Namitha, J; Maity, UK; Selvalakshmi, T; Manoravi, P; Kumar, GVSA; Joseph, M; Sivaraman, N		Feasibility study on application of laser induced breakdown spectroscopy for detection & identification of failed fuel pins and sodium-water reaction in fast reactors	JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY			2020	0267-9477	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
59	Chandrasekaran, S; Pillai, GS; Venkatraman, B		Assessment of heavy metals and radionuclides (U-238, Th-232 and (40)K) concentration of beach sands collected from East Coast of Tamilnadu, India with multivariate statistical approach	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY		International		0306-7319	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
60	Yadav, RK; Govindaraj, R; Amarendra, G	AIP Conference Proceedings	Defects Induced Local Structural and Magnetic Studies at Fe Sites in Co2FeAl	3RD INTERNATIONAL CONFERENCE ON CONDENSED MATTER & APPLIED PHYSICS (ICC-2019)	3rd International Conference on Condensed Matter & Applied Physics (ICC)	International	2020	978-0-7354-1976-6/0094-243X	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
61	Sarkar, S; Suresh, A; Sivaraman, N		Alpha and gamma degradation behavior of tri-n-alkyl phosphates and tris(2-methylbutyl) phosphate: A comparative study	RADIATION PHYSICS AND CHEMISTRY	14th Tihany Symposium on Radiation Chemistry		2020	0969-806X	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR

62	Chandra, S; Suryaprasad, B; Ramanathan, N; Sundararajan, K		Dominance of unique PMIDLINE HORIZONTAL ELLIPSIS pi phosphorus bonding with pi donors: evidence using matrix isolation infrared spectroscopy and computational methodology	PHYSICAL CHEMISTRY CHEMICAL PHYSICS			2020	1463-9076	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
63	Saurabh, S		Approximation Schemes via Width/Weight Trade-offs on Minor-free Graphs	PROCEEDINGS OF THE THIRTY-FIRST ANNUAL ACM-SIAM SYMPOSIUM ON DISCRETE ALGORITHMS (SODA'20)	31st Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)	International	2020		The Institute of Mathematical Sciences, Chennai	ASSOCIATION FOR COMPUTING MACHINERY	IMSc
64	Narayanan, MM; Kumar, A; Mukhopadhyay, CK	Lecture Notes in Mechanical Engineering	Detection of Multiple Flaws in Steam Generator Tubes of PFBR Using Ultrasonic Guided Waves	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	978-981-13-8767-8; 978-981-13-8766-1/ 2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
65	Sumana; Kumar, A		Phased array ultrasonic imaging using angle beam virtual source full matrix capture-total focusing method	NDT & E INTERNATIONAL		International	2020	0963-8695	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
66	Babu, MN; Sasikala, G		Effect of temperature on the fatigue crack growth behaviour of SS316L(N)	INTERNATIONAL JOURNAL OF FATIGUE		International	2020	0142-1123	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
67	Kumar, MM; Senthilvadivu, R; Rao, JSB; Neelamegam, M; Kumar, GVSA; Kumar, R; Jena, H		Characterization of fly ash by ED-XRF and INAA for the synthesis of low silica zeolites	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
68	Ragavendran, M; Vasudevan, M		Laser and hybrid laser welding of type 316L(N) austenitic stainless steel plates	MATERIALS AND MANUFACTURING PROCESSES			2020	1042-6914	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS INC	IGCAR
69	Chitra, N; Sundar, SB; Subramanian, V; Jose, MT; Baskaran, R; Venkatraman, B		QUANTIFICATION OF BACK DIFFUSION IN RADON AND THORON EXHALATION RATE MEASUREMENTS	RADIATION PROTECTION DOSIMETRY			2020	0144-8420	Indira Gandhi Centre for Atomic Research	OXFORD UNIV PRESS	IGCAR
70	Rao, CJ; Ningshen, S; Philip, J		Atmospheric air oxidation of 9Cr-1Mo steel: Depth profiling of oxide layers using glow discharge optical emission spectrometry	SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY			2020	0584-8547	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
71	Balsubramanian, S; Polaki, SR; Prabakar, K		Ultrahigh sensitive and ultrafast relative humidity sensing using surface enhanced microcantilevers	SMART MATERIALS AND STRUCTURES			2020	0964-1726	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
72	Maity, UK; Manoravi, P; Joseph, M; Sivaraman, N		Effect of mass distribution and collection angle in pulsed laser deposited films - a sampling method for chemical characterization of spent nuclear fuel	JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY			2020	0267-9477	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
73	Basu, R; Reshma, PR; Prasad, AK; Dhara, S		Near room temperature CH4 sensing and role of oxidation states for phase pure Wadsley VnO2n+1 nanostructures	MATERIALS CHEMISTRY AND PHYSICS			2020	0254-0584	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
74	Nandy, M; Lahiri, BB; Philip, J		Visual detection of defects in carbon steel using magnetic nanoemulsions: Effect of stabilizing moieties on the defect detection sensitivity	SENSORS AND ACTUATORS A-PHYSICAL			2020	0924-4247	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR

75	Chand, M; Senthilvadivu, R; Rao, JSB; Kumar, GVSA; Kumar, R		Elemental characterization of coal fly ash using k(0)-based IM-NAA and EDXRF towards its potential utilization and environmental concern	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
76	Yadav, RK; Govindaraj, R		An atomic scale study of defects in Co2FeAl	PHYSICAL CHEMISTRY CHEMICAL PHYSICS			2020	1463-9076	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
77	Poonguzhali, A; Ningshen, S; Amarendra, G		Corrosion Fatigue Crack Initiation of Type 316N Weldment Under the Influence of Cyclic Stress Amplitude	METALS AND MATERIALS INTERNATIONAL		International	2020	1598-9623	Indira Gandhi Centre for Atomic Research	KOREAN INST METALS MATERIALS	IGCAR
78	Sahu, BK; Das, A		Graphene oxide surface chemistry regulated growth of SnO2 nanoparticles for electrochemical application	JOURNAL OF ALLOYS AND COMPOUNDS			2020	0925-8388	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
79	Sainath, G; Goyal, S; Nagesha, A		Plasticity through De-Twinning in Twinned BCC Nanowires	CRYSTALS			2020	2073-4352	Indira Gandhi Centre for Atomic Research	MDPI	IGCAR
80	Mariappan, K; Shankar, V; Bhaduri, AK		Effect of microstructure and low cycle fatigue deformation on tensile properties of P91 steel Einfluss von Gefüge und niedrig zyklischer Ermüdungsverformung auf die Dehnungseigenschaften des Stahls P91	MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK			2020	0933-5137	Indira Gandhi Centre for Atomic Research	WILEY-V C H VERLAG GMBH	IGCAR
81	Harikumar, P; Jaya, SM		Non-Equilibrium Green's Function Modeling of the Transport Characteristics of Magnetic Tunnel Junctions Containing Anderson Impurities	SPIN			2020	2010-3247	Indira Gandhi Centre for Atomic Research	WORLD SCIENTIFIC PUBL CO PTE LTD	IGCAR
82	Samantaroy, PK; Suresh, G		Corrosion investigation of nickel base superalloys in simulated high level waste medium using electrochemical impedance spectroscopy	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY			2020	0971-457X	Indira Gandhi Centre for Atomic Research	NATL INST SCIENCE COMMUNICATIO N-NISCAIR	IGCAR
83	Pakhui, G; Ghosh, S; Reddy, BP		A thermochemical evaluation of standard electrode potential, Gibbs energy of formation and activity coefficient of Th4+ in LiCl-KCl eutectic melt	ELECTROCHIMICA ACTA			2020	0013-4686	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
84	Devi, EA; Ravi, C		Stability of B1-type oxides in BCC iron studied using density functional theory calculations	MATERIALS TODAY COMMUNICATIONS			2020	2352-4928	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
85	Muthukumar, T; Philip, J		A facile approach to synthesis of cobalt ferrite nanoparticles with a uniform ultrathin layer of silicon carbide for organic dye removal	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
86	Praveen, C; Christopher, J; Ganesan, V; Reddy, GVP; Albert, SK		Prediction of Creep Behaviour of 316LN SS Under Uniaxial and Multiaxial Stress State Using Kachanov-Rabotnov Model at 923 K	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS			2020	0972-2815	Indira Gandhi Centre for Atomic Research	SPRINGER INDIA	IGCAR
87	Shukla, DK; Arul, AJ	Lecture Notes in Mechanical Engineering	Modeling Inhomogeneous Markov Process in Smart Component Methodology	RELIABILITY, SAFETY AND HAZARD ASSESSMENT FOR RISK-BASED TECHNOLOGIES	International Conference on Reliability, Safety and Hazard 2019 (ICRESH)	International	2020	978-981-13-9008-1; 978-981-13-9007-4	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR

88	Suryaprasad, B; Chandra, S; Ramanathan, N; Sundararajan, K		Pentavalent P ... pi phosphorus bonding with associated Cl ... pi halogen bonding in influencing the geometry of POCl3-Phenylacetylene heterodimers: Evidence from matrix isolation infrared spectroscopy and ab initio computations	JOURNAL OF MOLECULAR STRUCTURE			2021	0022-2860	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
89	Kumar, GVSA; Rao, JSB; Chand, M; Bootharajan, M; Suriyanarayanan, A; Kumar, R		Localization of the failed fuel subassembly in fast breeder test reactor by the analysis of fission gases in cover gas	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
90	Patel, R; Gireesan, K; Sengottuvel, S		Decoding non-linearity for effective extraction of the eye-blink artifact pattern from EEG recordings	PATTERN RECOGNITION LETTERS			2020	0167-8655	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
91	Vinodkumar, P; Panda, S; Madhusoodanan, U; Panigrahi, BS		Thermoluminescence properties of Strontium borophosphate doped with Praseodymium and enhancement with uranyl codoping	RADIATION PHYSICS AND CHEMISTRY			2020	0969-806X	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
92	Rout, A; Vinodkumar, P; Panigrahi, BS		Europium(III) Coordination in a Combined Ligand System: A Luminescence Spectroscopy Study	CHEMISTRYSELECT			2020	2365-6549	Indira Gandhi Centre for Atomic Research	WILEY-V C H VERLAG GMBH	IGCAR
93	Balasundar, S; Chandrasekaran, S; Subramanian, V; Venkatraman, B		Investigations on neutron attenuation properties of poly-boron materials using Am-Be and Cf-252 sources neutron spectra	ANNALS OF NUCLEAR ENERGY			2021	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
94	Ramachandran, R; Julie, S; Rajaraman, R; Govindaraj, R; David, C; Amarendra, G		High-temperature radiation damage studies of Reduced Activation Ferritic/Martensitic (RAFM) steel at fusion relevant He/dpa ratio using positron beam based Doppler broadening spectroscopy	JOURNAL OF NUCLEAR MATERIALS			2021	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
95	Sarkar, S; Ramanathan, N; Sruthi, PK; Sundararajan, K		Computational and experimental evidence of N-H center dot center dot center dot pi and cooperative pi(N)center dot center dot center dot pi* interactions in pyrrole center dot center dot center dot benzene and pyrrole center dot center dot center dot ethylene heterodimers at low temperatures	JOURNAL OF MOLECULAR STRUCTURE			2020	0022-2860	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
96	Mitra, A; Sarangapani, R; Chandrasekaran, S; Jose, MT		Estimation of activity concentrations of radioactive gases inside containment building of fast breeder reactor FBTR: Leakage of active cover gas	PROGRESS IN NUCLEAR ENERGY			2020	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR



97	Sarkar, S; Sruthi, PK; Ramanathan, N; Sundararajan, K		Strong proton-shared hydrogen bonding in a methyl imidazoleMIDLINE HORIZONTAL ELLIPSISHCI complex: evidence from matrix isolation infrared spectroscopy and ab initio computations	NEW JOURNAL OF CHEMISTRY			2020	1144-0546	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
98	Muthukumar, T; Philip, J		Synthesis of water dispersible phosphate capped CoFe2O4 nanoparticles and its applications in efficient organic dye removal	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS			2021	0927-7757	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
99	Gupta, G; Aithal, S; Singh, K; Kumar, RS; Velusamy, K; Puthiyavinayagam, P	Lecture Notes in Mechanical Engineering	Experimental Investigation of Material Constant for Perforated Plate	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
100	Maji, S; Kumar, S; Sundararajan, K		Enhanced laser induced breakdown spectroscopy signal intensity in colloids: An application for estimation of Cu and Cr in aqueous solution	SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY			2021	0584-8547	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
101	Sunilkumar, D; Dey, HC; Albert, SK; Shaikh, H; Davinci, MA; Murugesan, S		Characterization of Interfacial Microstructure and Mechanical Properties of the Diffusion Bonded CP-Ti to AISI 304L Stainless Steel	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS			2021	0972-2815	Indira Gandhi Centre for Atomic Research	SPRINGER INDIA	IGCAR
102	Jayanthi, E; Murugesan, N; Ramesh, C		Amperometric H-2 sensor with Pt/Pd alloy electrode prepared by pulsed electrodeposition method	MICROCHEMICAL JOURNAL			2020	0026-265X	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
103	Sreenivasulu, B; Rajeswari, S; Suresh, A; Sivaraman, N		Demonstration of Aqueous Reprocessing of U-Zr and U-Pu-Zr Metallic Alloy Fuels Using an Ejector Mixer-settler with Tri-n-Butyl Phosphate (TBP) as the Extractant	SOLVENT EXTRACTION AND ION EXCHANGE			2021	0736-6299	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS INC	IGCAR
104	Rano, S; Lahiri, BB; Nandy, M; Philip, J		Enhanced magnetic heating efficiency at acidic pH for magnetic nanoemulsions stabilized with a weak polyelectrolyte	JOURNAL OF COLLOID AND INTERFACE SCIENCE			2020	0021-9797	Indira Gandhi Centre for Atomic Research	ACADEMIC PRESS INC ELSEVIER SCIENCE	IGCAR
105	Raychaudhuri, D; Gopakumar, G; Nagarajan, S; Rao, CVSB		On the Nature of the Carbonyl versus Phosphoryl Binding in Uranyl Nitrate Complexes	JOURNAL OF PHYSICAL CHEMISTRY A			2020	1089-5639	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
106	Maji, S; Kumar, S; Sundararajan, K		Exploring LIBS for simultaneous estimation of Sr, Ba and La in LiCl-KCl salt	OPTIK			2020	0030-4026	Indira Gandhi Centre for Atomic Research	ELSEVIER GMBH	IGCAR
107	Pillai, GS; Chandrasekaran, S; Baskaran, R; Venkatraman, B; Deepu, R		A REVIEW ON (PO)-P-210 AND (PB)-P-210 IN INDIAN SEAFOOD AND DOSE TO CONSUMERS	RADIATION PROTECTION DOSIMETRY			2019	0144-8420	Indira Gandhi Centre for Atomic Research	OXFORD UNIV PRESS	IGCAR
108	Shukla, DK; Arul, AJ	Lecture Notes in Mechanical Engineering	A Review of Recent Dynamic Reliability Analysis Methods and a Proposal for a Smart Component Methodology	RELIABILITY, SAFETY AND HAZARD ASSESSMENT FOR RISK-BASED TECHNOLOGIES	International Conference on Reliability, Safety and Hazard 2019 (ICRESH)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
109	Madapu, KK; Dhara, S		Laser-induced anharmonicity vs thermally induced biaxial compressive strain in mono- and bilayer MoS2 grown via CVD	AIP ADVANCES			2020		Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR

110	Latha, S; Laha, K; Parameswaran, P; Reddy, GVP; Sasikala, G; Albert, SK	Lecture Notes in Mechanical Engineering	Creep Deformation Behaviour of Modified 9Cr-1Mo Steel Clad Tubes	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
111	Sruthi, PK; Chandra, S; Ramanathan, N; Sundararajan, K		Unusual blue to red shifting of C-H stretching frequency of CHCl <sub>3</sub> in co-operatively PCI phosphorus bonded POCl <sub>3</sub> -CHCl <sub>3</sub> heterodimers at low temperature inert matrixes	JOURNAL OF CHEMICAL PHYSICS			2020	0021-9606	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
112	Arun, B; Vijayalakshmi, I; Ramani, Y; Viswanathan, S; Jose, MT; Baskaran, R; Venkatraman, B		Optimization of C-14 LSC measurement using CO <sub>2</sub> absorption technique	RADIOCHIMICA ACTA			2020	0033-8230	Indira Gandhi Centre for Atomic Research	WALTER DE GRUYTER GMBH	IGCAR
113	Kumar, MM; Irshad, KA; Jena, H		Removal of Cs + and Sr <sup>2+</sup> ions from simulated radioactive waste solutions using Zeolite-A synthesized from kaolin and their structural stability at high pressures	MICROPOROUS AND MESOPOROUS MATERIALS			2021	1387-1811	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
114	Narayanan, P; Swami, KR; Prathibha, T; Venkatesan, KA		FTIR spectroscopic investigations on the aggregation behaviour of N,N,N',N'-tetraoctyldiglycolamide and N,N-dioctylhydroxyacetamide in n-dodecane during the extraction of Nd(III) from nitric acid medium	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
115	Bhujbal, AV; Rout, A; Venkatesan, KA; Bhanage, BM		Electrochemical Fabrication of Copper and Tin Micro-Crystals from a Protic Ionic Liquid Medium	CHEMISTRYSELECT			2020	2365-6549	Indira Gandhi Centre for Atomic Research	WILEY-VCH VERLAG GMBH	IGCAR
116	Kumar, TS; Nagesha, A; Sandhya, R	Lecture Notes in Mechanical Engineering	Influence of Creep on Isothermal and Thermomechanical Low Cycle Fatigue of Type 316 LN SS Weld Joint	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
117	Kumar, V; Albert, SK; Chandrasekhar, N		Development of programmable system on chip-based weld monitoring system for quality analysis of arc welding process	INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING		International	2020	0951-192X	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
118	Gupta, G; Aithal, S; Sritharan, R; Chandar, SCR; Raghupathy, S; Puhtiyavinayagam, P; Balasubramanian, V; Ramasamy, KR; Ramasamy, S; Vijayakumar, G	Lecture Notes in Mechanical Engineering	Hot Bending of Large Size Seamless Primary Pipe for Sodium Cooled Fast Breeder Reactor	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
119	Rajeswari, JR; Srinivas, CV; Mohan, PR; Venkatraman, B		Impact of Boundary Layer Physics on Tropical Cyclone Simulations in the Bay of Bengal Using the WRF Model	PURE AND APPLIED GEOPHYSICS			2020	0033-4553	Indira Gandhi Centre for Atomic Research	SPRINGER BASEL AG	IGCAR
120	Basu, P; Sarangapani, R; Venkatraman, B		Compact shielding design for 740 GBq Am-241-Be neutron source transport container	RADIATION PHYSICS AND CHEMISTRY			2020	0969-806X	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
121	Reddy, BVK; Murugan, S; Reddy, AVG; Wali, AC; Srivastava, D	Lecture Notes in Mechanical Engineering	Finite Difference-Based Conduction Model of Weld Pool for Laser and TIG Welding	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR

122	Basu, P; Sarangapani, R; Venkatraman, B		An improvement to the Kalos' formula for double layer gamma ray exposure buildup factors for shielding materials of nuclear and radiological facilities	ANNALS OF NUCLEAR ENERGY			2021	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
123	Beatriceveena, TV; Murthy, ASR; Prabhu, E; Gnanasekar, KI		Wide range hydrogen sensing behavior of a silver delafossite: Performance towards long term stability, repeatability and selectivity	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY		International	2021	0360-3199	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
124	Narayanam, PK; Sriram, S; Sundararajan, K		Preferential separation of lanthanides using graphene oxide membranes	JOURNAL OF WATER PROCESS ENGINEERING			2020	2214-7144	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
125	Trinadh, VV; Manikandan, P; Bera, S; Ghosh, S; Rao, CVSB; Narasimhan, TSL; Joseph, M		Thermophysical and thermochemical properties of U-23wt.%Pu-6wt.%Zr alloy fuel: Computational and high temperature mass spectrometric studies	JOURNAL OF NUCLEAR MATERIALS			2020	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
126	Anasthasiya, ANA; Prabhu, E; Jayaraman, V; Gnanasekar, KI		Wide range H-2 sensors for process streams, based on multilayered Pd thin films dispersed with Ag nanoparticles and chromium as buffer layer	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY		International	2020	0360-3199	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
127	Palaparti, DPR; Ganesan, V; Christopher, J; Reddy, GVP		Tensile Flow Analysis of Austenitic Type 316LN Stainless Steel: Effect of Nitrogen Content	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2021	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
128	Balasubramonian, S; Pandey, NK; Rao, RVS		Thermodynamic modeling of Pu(IV) and nitric acid extraction by 1.1 M tri-iso-amyl phosphate in n-dodecane	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
129	Ganesan, K; Ajikumar, PK; Srivastava, SK; Magudapathy, P		Structural, Raman and photoluminescence studies on nanocrystalline diamond films: Effects of ammonia in feedstock	DIAMOND AND RELATED MATERIALS			2020	0925-9635	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
130	Chandrasekhar, N; Ragavendran, M; Vasudevan, M		Finite element modeling and optimization of hybrid laser-TIG welding of type 316L(N) austenitic stainless steel	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING			2020	1678-5878	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR
131	Hareesh, R; Vetrivendan, E; Sole, R; Ningshen, S		Surface characterization and influence of pyrolysis temperature on microstructure, phase and oxidation kinetics of CVD pyrolytic graphite coatings	APPLIED SURFACE SCIENCE			2020	0169-4332	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
132	Sundaram, R; Ravichandran, KS; Jayaraman, P; Venkatraman, B		A novel hybrid segmentation approach for optic papilla detection in high resolution fundus images of retina	MULTIMEDIA TOOLS AND APPLICATIONS			2020	1380-7501	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
133	Unni, AK; Vasudevan, M		Numerical modelling of fluid flow and weld penetration in activated TIG welding	MATERIALS TODAY-PROCEEDINGS	International Conference on Materials and Manufacturing Methods (MMM)	International	2020	2214-7853	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
134	Perumalsamy, G; Kumar, D; Jose, J; Winston, SJ; Murugan, S		Computed Torque Control Method for Two-Axis Planar Serial Robotic Arm	IETE JOURNAL OF RESEARCH				0377-2063	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR

135	Jena, G; Thinaharan, C; George, RP; Philip, J		Robust nickel-reduced graphene oxide-myristic acid superhydrophobic coating on carbon steel using electrochemical codeposition and its corrosion resistance	SURFACE & COATINGS TECHNOLOGY			2020	0257-8972	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
136	Ravikumar, R; Gopal, B; Jena, H		Fabrication, chemical and thermal stability studies of crystalline ceramic wasteform based on oxyapatite phosphate host LaSr4(PO4)(3)O for high level nuclear waste immobilization	JOURNAL OF HAZARDOUS MATERIALS			2020	0304-3894	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
137	Balakrishnan, A; Jena, G; George, RP; Philip, J		Polydimethylsiloxane-graphene oxide nanocomposite coatings with improved anti-corrosion and anti-biofouling properties	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH			2021	0944-1344	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR
138	Davinci, MA; Aashranth, B; Samantaray, D; Borah, U		Influence of Large Strain Hot Deformation on Microstructural Evolution in Alloy D9	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS			2020	0972-2815	Indira Gandhi Centre for Atomic Research	SPRINGER INDIA	IGCAR
139	Sainath, G; Goyal, S; Nagesha, A		Atomistic mechanisms of twin-twin interactions in Cu nanopillars	COMPUTATIONAL MATERIALS SCIENCE			2020	0927-0256	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
140	Rao, CJ; Vetrivendan, E; Madhura, B; Ningshen, S		A review of ceramic coatings for high temperature uranium melting applications	JOURNAL OF NUCLEAR MATERIALS			2020	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
141	Suresh, K; Navas, J; Sundaravel, B; Pradhan, J; David, C; Govindaraj, R; Kamruddin, M; Albert, SK		Development of PC based automation of ion beam analysis and ion implantation experiments	JOURNAL OF INSTRUMENTATION			2020	1748-0221	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
142	Gour, A; Mathews, T; Behera, RP; Sakthivel, M; Jayanthi, T; Panigrahi, BK	Annual IEEE India Conference	Hardware & Software Implementation for Real Time Computer based Fresh Subassembly Handling System of PFBR	2019 IEEE 16TH INDIA COUNCIL INTERNATIONAL CONFERENCE (IEEE INDICON 2019)	16th IEEE-India-Council International Conference (INDICON)	International	2019	2325-940X	Indira Gandhi Centre for Atomic Research	IEEE	IGCAR
143	Sharma, P; Nashine, BK; Mani, A		Performance prediction of annular linear induction pump under constant slip frequency operation	ANNALS OF NUCLEAR ENERGY			2020	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
144	Dharini, T; Kuppasami, P; Panda, P; Ramaseshan, R; Kirubakaran, AMK		Nanomechanical behaviour of Ni - YSZ nanocomposite coatings on superalloy 690 as diffusion barrier coatings for nuclear applications	CERAMICS INTERNATIONAL		International	2020	0272-8842	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
145	Prabhu, E; Asuvathraman, R; Murthy, ASR; Jayaraman, V; Gnanasekar, KI		Interaction Behaviour of Nanostructured In(2)O(3)Thin Film Towards Nitric Oxide in Argon	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY			2020	2162-8769	Indira Gandhi Centre for Atomic Research	ELECTROCHEMICAL SOC INC	IGCAR
146	Panda, S; Vinodkumar, P; Sahoo, M; Madhusoodanan, U; Panigrahi, BS		Probing the site occupancy of dopants in deep red-NIR emitting LiAl5O8: Eu3+, Cr3+ and Fe3+ nano phosphors using photoluminescence and X-ray absorption spectroscopy	JOURNAL OF ALLOYS AND COMPOUNDS			2021	0925-8388	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
147	Panda, AK; Divakar, R; Singh, A; Thirumurugesan, R; Parameswaran, P		Molecular dynamics studies on formation of stacking fault tetrahedra in FCC metals	COMPUTATIONAL MATERIALS SCIENCE			2021	0927-0256	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR

148	Patel, PR; Arul, AJ		In -vessel source term calculation using chemical equilibrium approach for a medium sized sodium cooled fast reactor	NUCLEAR ENGINEERING AND DESIGN			2020	0029-5493	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
149	Jhade, V; Shukla, PK; Sudha, A; Sharma, AK; Rao, EH; Das, SK; Lydia, G; Ponraju, D; Nashine, BK; Selvaraj, P		Design of core catchers for sodium cooled FBRs - Challenges	NUCLEAR ENGINEERING AND DESIGN			2020	0029-5493	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
150	Tripathi, S; Sreenivasulu, B; Suresh, A; Rao, CVSB; Sivaraman, N		Assorted functionality-appended UiO-66-NH2 for highly efficient uranium(vi) sorption at acidic/neutral/basic pH	RSC ADVANCES			2020		Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
151	Bhujbal, AV; Rout, A; Venkatesan, KA; Bhanage, BM		Electrochemical behavior and direct electrodeposition of UO2 nanoparticles from uranyl nitrate dissolved in an ammonium-based ionic liquid	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
152	Sahu, BK; Kaur, G; Das, A		Revealing Interplay of Defects in SnO2 Quantum Dots for Blue Luminescence and Selective Trace Ammonia Detection at Room Temperature	ACS APPLIED MATERIALS & INTERFACES			2020	1944-8244	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
153	Rao, CV; Rout, A; Venkatesan, KA		Selective separation of zirconium(IV) from uranium(VI) using dioxoamide ligand present in ammonium based ionic liquid: An application towards spent metallic fuel reprocessing	SEPARATION AND PURIFICATION TECHNOLOGY			2020	1383-5866	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
154	Visweswaran, S; Joseph, S; Dhanasekaran, J; Paneerselvam, S; Annalakshmi, O; Jose, MT; Perumal, V		Exposure of patients to low doses of X-radiation during neuro-interventional imaging and procedures: Dose estimation and analysis of gamma-H2AX foci and gene expression in blood lymphocytes	MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS			2020	1383-5718	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
155	Keshari, AK; Rao, JP; Murthy, ASR; Jayaraman, V		Design and Development of Instrumentation for Remote Detection of Hydrogen Using Metal Oxide Sensor	IETE TECHNICAL REVIEW				0256-4602	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
156	Amesh, P; Suneesh, AS; Venkatesan, KA; Chandra, M; Ravindranath, NA		High capacity amidic succinic acid functionalized mesoporous silica for the adsorption of uranium	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS			2020	0927-7757	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
157	Thesni, K; Praveen, K; Srivani, L	International Conference on Advanced Computing and Communication Systems	Implementation and Performance Comparison of Digital Filter in FPGA	2020 6TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING AND COMMUNICATION SYSTEMS (ICACCS)	6th International Conference on Advanced Computing and Communication Systems (ICACCS)	International	2020	2469-5556	Indira Gandhi Centre for Atomic Research	IEEE	IGCAR
158	Sain, T; Singh, CK; Amaladass, EP; Ilango, S; Mathews, T; Mani, A		Electrical transport and optical properties of Al doped polycrystalline SiGe alloy thin film	MATERIALS CHEMISTRY AND PHYSICS			2021	0254-0584	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR

159	Jena, G; Anandkumar, B; Sofia, S; George, RP; Philip, J		Fabrication of silanized GO hybrid coating on 316L SS with enhanced corrosion resistance and antibacterial properties for marine applications	SURFACE & COATINGS TECHNOLOGY			2020	0257-8972	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
160	Upadhyay, N; Shankar, AR; Anandkumar, B; George, RP; Pujar, MG; Philip, J; Amarendra, G		Effect of Molybdenum on Pit Initiation Rate and Pit Growth Using Electrochemical Noise and Its Correlation with Confocal Laser Scanning Microscopic Studies	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
161	Prathibha, T; Swami, KR; Sriram, S; Venkatesan, KA		Interference of Zr(IV) during the extraction of trivalent Nd(III) from the aqueous waste generated from metallic fuel reprocessing	RADIOCHIMICA ACTA			2020	0033-8230	Indira Gandhi Centre for Atomic Research	WALTER DE GRUYTER GMBH	IGCAR
162	Pavan, AR; Arivazhagan, B; Vasudevan, M	Lecture Notes in Mechanical Engineering	Process Parameter Optimization of A-TIG Welding on P22 Steel	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
163	Swami, KR; Venkatesan, KA; Selvan, BR		Studies on the aggregation behaviour of radiolytically degraded tetra(2-ethylhexyl)diglycolamide in n-dodecane medium during the extraction of trivalent metal ions	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
164	Archana, M; Rao, CJ; Ningshen, S; Philip, J		High-Temperature Air and Steam Oxidation and Oxide Layer Characteristics of Alloy 617	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2021	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
165	Harilal, M; Anandkumar, B; Lahiri, BB; George, RP; Philip, J; Albert, SK		Enhanced biodeterioration and biofouling resistance of nanoparticles and inhibitor admixed fly ash based concrete in marine environments	INTERNATIONAL BIODETERIORATION & BIODEGRADATION		International	2020	0964-8305	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
166	Mariappan, K; Shankar, V; Bhaduri, AK		Effect of change in microstructures due to simulation temperatures on the low cycle fatigue behavior of P91 steel	INTERNATIONAL JOURNAL OF FATIGUE		International	2020	0142-1123	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
167	Suresh, K; Navas, J; Sundaravel, B; Pradhan, J; David, C; Govindaraj, R; Kamruddin, M; Panigrahi, BK; Albert, SK		Development of instrumentation and automation of a PC based field emission measurement set up	JOURNAL OF INSTRUMENTATION			2020	1748-0221	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
168	Shit, G; Ningshen, S		The Effect of Severe Plastic Deformation on the Corrosion Resistance of AISI Type 304L Stainless Steel	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
169	Varghese, P; Vetrivendan, E; Krishnan, R; Mathews, T; Ningshen, S		Plasma sprayed alumina-yttria composite ceramic coating for electrical insulation applications	SURFACE & COATINGS TECHNOLOGY			2021	0257-8972	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
170	Lahiri, BB; Bagavathiappan, S; Phillip, J		Infrared thermal imaging based study of localized cold stress induced thermoregulation in lower limbs: The role of age on the inversion time	JOURNAL OF THERMAL BIOLOGY			2020	0306-4565	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR

171	Parvathy, N; Swami, KR; Prathibha, T; Venkatesan, KA		Antagonism in the aggregation behaviour of N, N,N', N'-tetraoctyldiglycolamide in n-dodecane upon adding N, N-dioctylhydroxyacetamide during trivalent metal extraction	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
172	Krishna, NG; George, RP; Philip, J		Anomalous enhancement of corrosion resistance and antibacterial property of commercially pure Titanium (CP-Ti) with nanoscale rutile titania film	CORROSION SCIENCE			2020	0010-938X	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
173	Amesh, P; Suneesh, AS; Selvan, BR; Venkatesan, KA; Chandra, M		Magnetic assisted separation of uranium(VI) from aqueous phase using diethylenetriamine modified high capacity iron oxide adsorbent	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING			2020		Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
174	Thirukkumaran, K; Menaka, M; Mukhopadhyay, CK; Venkatraman, B		A Study on Temperature Rise, Tool Wear, and Surface Roughness During Drilling of Al-5%SiC Composite	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING			2020	2193-567X	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR
175	Irshad, KA; Srihari, V; Kumar, DS; Ananthasivan, K; Jena, H		High-pressure structural stability, equation of state, and thermal expansion behavior of cubic HfO <sub>2</sub>	JOURNAL OF THE AMERICAN CERAMIC SOCIETY			2020	0002-7820	Indira Gandhi Centre for Atomic Research	WILEY	IGCAR
176	Singh, WS; Mukhopadhyay, CK		Detection of localised flaws in small-diameter carbon steel tubes using multi-NDE techniques	INSIGHT			2020	1354-2575	Indira Gandhi Centre for Atomic Research	BRITISH INST NON-DESTRUCTIVE TESTING	IGCAR
177	Anandkumar, B; George, RP; Philip, J		Efficacy of imidazolium and piperidinium based ionic liquids on inhibiting biofilm formation on titanium and carbon steel surfaces	ANALYTICA CHIMICA ACTA			2020	0003-2670	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
178	Saravanan, SM; Rao, PM; Raghupathy, S		Analysis of liquid sodium spills spreading on floor surface pertaining to sodium pool fire events in SFR cells	NUCLEAR ENGINEERING AND DESIGN			2020	0029-5493	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
179	Samuel, EI; Palaparti, DPR; Yadav, SD; Christopher, J; Choudhary, BK	Lecture Notes in Mechanical Engineering	Identifying the Creep Deformation Mechanism in P9 Steel at Elevated Temperatures	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
180	Haribabu, S; Sudha, C; Srihari, V; Raju, S		Austenitic transformation and influence of prior ferrite formation on martensite transformation characteristics of Al-added P91 ferritic-martensitic steel	JOURNAL OF NUCLEAR MATERIALS			2021	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
181	Jena, G; Anandkumar, B; Vanithakumari, SC; George, RP; Philip, J; Amarendra, G		Graphene oxide-chitosan-silver composite coating on Cu-Ni alloy with enhanced anticorrosive and antibacterial properties suitable for marine applications	PROGRESS IN ORGANIC COATINGS			2020	0300-9440	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR

182	Auxilia, LS; Jena, H; Senapati, A; Sudha, R		Studies on rhenium (Re) solubility and heat capacity measurements on $\text{Ca}(10-x)\text{Re}_x(\text{PO}_4)_6(\text{OH})(2+\delta)$ , $x=0$ to $0.7$ for radwaste immobilization	THERMOCHIMICA ACTA			2021	0040-6031	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
183	Ramaiah, MR; Prabakar, K; Sundari, ST; Dhara, SK		Wavelength dependence of photothermal deflection in Au/Si bimaterial microcantilevers	SENSORS AND ACTUATORS A-PHYSICAL			2020	0924-4247	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
184	Balsubramonian, S; Pandey, NK; Rao, RVS		Comparison of activity coefficient models for the estimation of uranyl nitrate and nitric acid distribution coefficients in phosphoric solvent	PROGRESS IN NUCLEAR ENERGY			2020	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
185	Priya, R; Ningshen, S; Sakairi, M; Ukai, S		Corrosion behaviour of Al-containing high Cr ferritic oxide dispersion strengthened steel in nitric acid environment	JOURNAL OF NUCLEAR MATERIALS			2020	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
186	Vanithakumari, SC; Jena, G; Sofia, S; Thinaharan, C; George, RP; Phillip, J		Fabrication of superhydrophobic titanium surfaces with superior antibacterial properties using graphene oxide and silanized silica nanoparticles	SURFACE & COATINGS TECHNOLOGY			2020	0257-8972	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
187	Amesh, P; Venkatesan, KA; Suneesh, AS; Samanta, N		Diethylenetriamine tethered mesoporous silica for the sequestration of uranium from aqueous solution and seawater	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING			2020		Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
188	Christopher, J; Praveen, C; Ganesan, V; Reddy, GVP; Albert, SK		Influence of varying nitrogen on creep deformation and damage behaviour of type 316L in the framework of continuum damage mechanics approach	INTERNATIONAL JOURNAL OF DAMAGE MECHANICS		International	2021	1056-7895	Indira Gandhi Centre for Atomic Research	SAGE PUBLICATIONS LTD	IGCAR
189	Singh, CK; Amaladass, EP; Parida, PK; Sain, T; Ilango, S; Dhara, S		A very low temperature (170 degrees C) crystallization of amorphous-Ge thin film on glass via Au induced layer exchange process in amorphous-Ge/GeOx/Au/glass stack and electrical characterization	APPLIED SURFACE SCIENCE			2021	0169-4332	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
190	Bhat, VR; Sengottuvel, S; Swain, PP; Anitha, H; Gireesan, K		Visualization of Cardiac Vectors using Electrocardiography and Magnetocardiography	IETE JOURNAL OF RESEARCH				0377-2063	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
191	Swain, I; Ghosh, S; Pakhui, G; Reddy, BP		Redox Behavior of Moisture in LiCl-KCl Eutectic Melts: A Cyclic Voltammetry Study	NUCLEAR TECHNOLOGY			2021	0029-5450	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS INC	IGCAR
192	Evangelina, A; Sathya, P; Arivazhagan, B		Laves Phase Formation and Segregation of Nb in Ni-Cr-Mo Superalloy over 316L by Hot Wire (HW) TIG Cladding Process	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING			2020	2193-567X	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR



193	Kongasseri, A; Sompalli, NK; Modak, VA; Mohanty, A; Nagarajan, S; Rao, CVSB; Deivasigamani, P; Mohan, AM		Solid-state ion recognition strategy using 2D hexagonal mesophase silica monolithic platform: a smart two-in-one approach for rapid and selective sensing of Cd(2+)and Hg2+ ions	MICROCHIMICA ACTA			2020	0026-3672	Indira Gandhi Centre for Atomic Research	SPRINGER WIEN	IGCAR
194	Khan, FU; Panchagnula, MV; Velusamy, K		Experimental and computational investigations of gas entrainment in SFR due to rotation of partially submerged pump shaft	ANNALS OF NUCLEAR ENERGY			2020	0306-4549	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
195	Mohapatra, DK; Laskar, JM; Philip, J		Temporal evolution of equilibrium and non-equilibrium magnetic field driven microstructures in a magnetic fluid	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
196	David, TM; Gnanasekar, KI; Wilson, P; Sagayaraj, P; Mathews, T		Effect of Ni, Pd, and Pt Nanoparticle Dispersion on Thick Films of TiO2 Nanotubes for Hydrogen Sensing: TEM and XPS Studies	ACS OMEGA			2020	2470-1343	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
197	Sahoo, S; Ravindran, TR; Rajaraman, R; Srihari, V; Pandey, KK; Chandra, S		Pressure-Induced Amorphization of Diisopropylammonium Perchlorate Studied by Raman Spectroscopy and X-ray Diffraction	JOURNAL OF PHYSICAL CHEMISTRY A			2020	1089-5639	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
198	Gopi, R; Ramanathan, N; Sundararajan, K		The structure of benzonitrile-water complex as unveiled by matrix isolation infrared spectroscopy: Is it linear or cyclic at low temperatures?	JOURNAL OF MOLECULAR STRUCTURE			2020	0022-2860	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
199	Parida, S; Patsha, A; Madapu, KK; Dhara, S		Nano-spectroscopic and nanoscopic imaging of single GaN nanowires in the sub-diffraction limit	JOURNAL OF APPLIED PHYSICS			2020	0021-8979	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
200	Balakrishnan, S; Ananthasivan, K; Ambika, N; Kumar, KCH		Design and performance of an improved thermo-optometric equipment for the measurement of the solidus and liquidus at high temperatures	REVIEW OF SCIENTIFIC INSTRUMENTS			2020	0034-6748	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
201	Tripathy, H; Vidhyashree, S; Sudha, C; Raju, S		Kinetics of static recrystallization and strain induced martensite formation in low carbon austenitic steels using impulse excitation technique	MATERIALS TODAY-PROCEEDINGS	International Conference on Materials and Manufacturing Methods (MMM)	International	2020	2214-7853	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
202	Panda, S; Vinodkumar, P; Kumar, S; Madhusoodanan, U; Suriyamurthy, N; Panigrahi, BS		Effect of gadolinium on europium luminescence and its in-situ valence conversion in SrBPO 5 host	JOURNAL OF LUMINESCENCE			2020	0022-2313	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
203	Narayanam, PK; Major, SS		Langmuir-Blodgett based growth of rGO wrapped TiO2 nanostructures and their photocatalytic performance	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS			2021	0927-7757	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
204	Sunilkumar, D; Mathew, J; Muthukumar, S; Vasudevan, M		Friction Stir Welding of 2.25Cr-1Mo Steel to AISI 316LN Stainless Steel	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS			2020	0972-2815	Indira Gandhi Centre for Atomic Research	SPRINGER INDIA	IGCAR

205	Sarkar, A; Kumar, A; Nagesha, A; Harmain, GA		Influence of creep damage on HCF behavior in alloy 617 M	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		International	2020	0308-0161	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
206	Sarkar, A; Yadav, SD; Nagesha, A; Mariappan, K; Ramaseshan, S		Mechanism of crack initiation under high cycle fatigue through an EBSD based approach in a 10 wt% Cr steel	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING			2020	0921-5093	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
207	Ahmed, N; Ramasamy, P; Bhargav, PB; Sivadasan, AK; Amirthapandian, S; Dhara, S; Balaji, C		Crystallization of PECVD grown Si nanowire and its characterization using confocal Raman and EELS studies	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS			2021	0957-4522	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
208	Raja, CA; Balakumar, S; Anandkumar, B; George, RP; Mudali, UK		Formation of bioactive nano hybrid thin films on anodized titanium via electrophoretic deposition intended for biomedical applications	MATERIALS TODAY COMMUNICATIONS			2020	2352-4928	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
209	Dash, MK; Saroja, S; Mythili, R; Dasgupta, A		Influence of Texture on Deformation Mechanism of Hot Extruded Oxide Dispersion Strengthened 18Cr Ferritic Steel	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
210	Muthukumaravel, C; Karunakaran, U; Mangamma, G		Local grain-to-grain conductivity in an SnO <sub>2</sub> -V(2)O(5)nanocomposite ethanol sensor	NANOTECHNOLOGY			2020	0957-4484	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
211	Lakshmanan, C; Viswanath, RN; Panda, P; Sundaravel, B; Rajaraman, R; Amarendra, G		Vacancy defects and their influence on mechanical properties in as-dealloyed and Fe+ ion irradiated nanoporous Au	EPL			2019	0295-5075	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
212	Tripathi, S; Dubey, SK; Panigrahi, BK		Raman LO phonon signal and two dimensional AFM studies on GaAs implanted by Mn ions and impact of irradiation with 5 MeV Si <sup>++</sup> ions on it	RADIATION EFFECTS AND DEFECTS IN SOLIDS			2021	1042-0150	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
213	Parthasarathy, S; Kumar, VG; Subbarao, RV		A remote conductometric titration method for simultaneous determination of uranium and nitric acid concentrations at elevated temperatures	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2021	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
214	Manoj, TP; Rasitha, TP; Vanithakumari, SC; Anandkumar, B; George, RP; Philip, J		A simple, rapid and single step method for fabricating superhydrophobic titanium surfaces with improved water bouncing and self cleaning properties	APPLIED SURFACE SCIENCE			2020	0169-4332	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
215	Manikanthababu, N; Tak, BR; Prajna, K; Singh, R; Panigrahi, BK		Radiation sustenance of HfO <sub>2</sub> /beta-Ga <sub>2</sub> O <sub>3</sub> metal-oxide-semiconductor capacitors: gamma irradiation study	SEMICONDUCTOR SCIENCE AND TECHNOLOGY			2020	0268-1242	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
216	Aparajita, ANA; Shwetha, G; Kumar, NRS; Srihari, V; Shekar, NVC; Kalavathi, S		Study of group 5B transition metal monoborides under high pressure	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS			2020	0022-3697	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR

217	Chakraborty, S; Singh, LH; Sharma, GK; Ravindran, TR		Understanding alkali oxide induced structural modification at different length-scales in tellurite glasses for improved optical properties	JOURNAL OF ALLOYS AND COMPOUNDS			2021	0925-8388	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
218	Maity, RK; Sundararajan, T; Velusamy, K		An accurate interface reconstruction method using piecewise circular arcs	INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS		International	2021	0271-2091	Indira Gandhi Centre for Atomic Research	WILEY	IGCAR
219	Kulkarni, A; Dwivedi, DK; Vasudevan, M		Microstructure and mechanical properties of A-TIG welded AISI 316L SS-Alloy 800 dissimilar metal joint	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING			2020	0921-5093	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
220	Kumar, SS; Patri, S; Sharma, RK; Punniamoorthy, R; Paunikar, VD; Cyriac, RJ; Harishkumar, S; Vasudevan, P; Ramakrishna, R; Sajish, SD; Kumar, VAS; Chandramouli, S; Meikandamurthy, C; Sreedhar, BK; Sathishkumar, K; Noushad, IB; Murugan, S; Selvaraj, P	Lecture Notes in Mechanical Engineering	Experimental Studies on Qualification of Structural Integrity of Eddy Current Flow Meter	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
221	Parida, PK; Dasgupta, A; Srihari, V; Ghosh, C; Basu, R; Mythili, R; Dhara, S		Structural investigations of Y 2 O 3 dispersoids during mechanical milling and high -temperature annealing of Fe-15Y 2 O 3-xTi (x=0?15) model ODS alloys	ADVANCED POWDER TECHNOLOGY			2020	0921-8831	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
222	Dash, MK; Tripathy, H; Saroja, S; Mythili, R		Evaluation of deformation and recrystallization behavior in oxide dispersion strengthened 18Cr ferritic steel	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		International	2020	0308-0161	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
223	Dubey, A; Sharma, AK		Modelling, verifications and safety feedback assessment of annular fast reactor fuel pins with severe accident code MITRA	NUCLEAR ENGINEERING AND DESIGN			2020	0029-5493	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
224	Irshad, KA; Srihari, V; Kalavathi, S; Shekar, NVC		Structural phase transition, equation of state and phase diagram of functional rare earth sesquioxide ceramics (Eu1-xLax)(2)O-3	SCIENTIFIC REPORTS			2020	2045-2322	Indira Gandhi Centre for Atomic Research	NATURE PUBLISHING GROUP	IGCAR
225	Kumar, A; Sarkar, A; Nagesha, A; Harmain, GA		Generation of HCF-creep interaction diagram in Alloy 617M at 973 K	INTERNATIONAL JOURNAL OF FATIGUE		International	2020	0142-1123	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
226	John, JC; Shanmugasundaram, K; Puthanveedu, A; Rao, CVSB; Gopakumar, G; Choe, Y		Introduction of heterocyclic ring to phenanthroimidazole moiety for efficient blue emitting ionic small molecule LECs	ORGANIC ELECTRONICS			2020	1566-1199	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
227	Rajkumar, G; Ponnusamy, V; Kanmani, GV; Jose, MT		A new perovskite type Ba2YZrO6: Eu3+ red phosphor with cubical morphology for WLEDs applications	JOURNAL OF LUMINESCENCE			2020	0022-2313	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR

228	Jose, J; Prathibha, T; Karthikeyan, NS; Venkatesan, KA; Sriram, S; Seshadri, H; Venkatachalapathy, B; Ravichandran, C		Studies on the separation of Am(III) from trivalent lanthanides in high-level waste solution using modifier-free solvents and aqueous soluble bis-1,2,4-triazines	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY			2020	0236-5731	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
229	Mehdi, R; Sarkar, A; Nagesha, A; Sandhya, R; Harmain, GA	Lecture Notes in Mechanical Engineering	High Cycle Fatigue Behaviour of a 10 wt% Cr Steel at Ambient and Elevated Temperatures	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR
230	Anju, VP; Pratoori, R; Gupta, DK; Joshi, R; Annabattula, RK; Ghosh, P		Controlled shape morphing of solvent free thermoresponsive soft actuators	SOFT MATTER			2020	1744-683X	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
231	Sinduja, M; Amirthapandian, S; Masarrat, A; Krishnan, R; Srivastava, SK; Kandasami, A		Investigations on morphology and thermoelectric transport properties of Cu plus ion implanted bismuth telluride thin film	THIN SOLID FILMS			2020	0040-6090	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
232	Thaviduchetty, S; Gomathy, S; Padmanabhan, P; Kinkar, L		An enhancement in mechanical properties of grade 91 steel on microalloying with boron and nitrogen	MATERIALS AT HIGH TEMPERATURES			2021	0960-3409	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
233	Murugesan, G; Nithya, R; Kalainathan, S		Rietveld refinement of Sm <sub>0.55</sub> Sr <sub>0.45</sub> Mn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>3</sub>	POWDER DIFFRACTION			2020	0885-7156	Indira Gandhi Centre for Atomic Research	CAMBRIDGE UNIV PRESS	IGCAR
234	Mathayan, V; Gnanasekaran, J; Chelladurai, L; Balakrishnan, S; Ramalingam, R; Panigrahi, BK; Gangavarapu, A		Oxygen trapping in defect clusters in Fe and FeCr alloy by ion channeling and ab-initio study	JOURNAL OF NUCLEAR MATERIALS			2020	0022-3115	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
235	Praveena, N; Jena, H; Bera, S; Kumar, R; Jha, SN; Bhattacharyya, D		Studies on chemical state of uranium in modified sodium borosilicate glass using X-ray photoelectron spectroscopy and X-ray absorption spectroscopy	PROGRESS IN NUCLEAR ENERGY			2021	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
236	Puspalata, R; Mal, D; Amirthapandian, S; Rangarajan, S		Influence of structure on catalytic activity of nano - manganese oxide	RADIATION PHYSICS AND CHEMISTRY			2020	0969-806X	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
237	Jose, J; Prathibha, T; Karthikeyan, NS; Venkatesan, KA; Selvan, BR; Seshadri, H; Venkatachalapathy, B; Ravichandran, C		Evaluation of selected solvent systems for the single-cycle separation of Am(III) from Eu(III) using aqueous soluble sulphonated bis-triazinylpyridine	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
238	Swami, KR; Venkatesan, KA; Sahu, P; Ali, SM		The effect of alkyl chain length attached to the diglycolamide and n-paraffin on the aggregation behaviour of diglycolamide and MD simulation of aggregates	JOURNAL OF MOLECULAR STRUCTURE			2020	0022-2860	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
239	Swami, KR; Venkatesan, KA; Selvan, BR; Hase, DV; Jayaram, RV		Investigations on the unusual aggregation behaviour of tetra (2-ethylhexyl)diglycolamide in n-dodecane medium upon gamma irradiation	JOURNAL OF MOLECULAR LIQUIDS			2020	0167-7322	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR

240	Kumar, SA; Kuppusami, P; Amirthapandian, S; Yu, YP		Effect of Sm co-doping on structural, mechanical and electrical properties of Gd doped ceria solid electrolytes for intermediate temperature solid oxide fuel cells	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY		International	2020	0360-3199	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
241	Juine, RN; Das, A		Surfactant-free Green Synthesis of ZnS QDs with Active Surface Defects for Selective Nanomolar Oxalic Acid Colorimetric Sensors at Room Temperature	ACS SUSTAINABLE CHEMISTRY & ENGINEERING			2020	2168-0485	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
242	Sahu, BK; Dwivedi, A; Pal, KK; Pandian, R; Dhara, S; Das, A		Optimized Au NRS for efficient SERS and SERRS performances with molecular and longitudinal surface plasmon resonance	APPLIED SURFACE SCIENCE			2021	0169-4332	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
243	Kiran, AR; Reddy, GR; Agrawal, MK; Raj, M; Sajish, SD		Ratcheting based seismic performance assessment of a pressurized piping system: Experiments and analysis (vol 177, 103995, 2019)	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		International	2020	0308-0161	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
244	Suganya, M; Ganesan, K; Vijayakumar, P; Gill, AS; Ramaseshan, R; Ganesamoorthy, S		Structural, optical and mechanical properties of Y2Ti2O7 single crystal	SCRIPTA MATERIALIA			2020	1359-6462	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
245	Shekhar, SSR; Srinivas, CV; Rakesh, PT; Venkatesan, R; Venkatraman, B		Radiological consequence assessments using time-varying source terms in ONERS- decision support system for nuclear emergency response	PROGRESS IN NUCLEAR ENERGY			2020	0149-1970	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
246	Sivasubramanian, V; Kojima, S		Acoustic phonon anomalies in Ca doped SrTiO3 quantum ferroelectrics as studied by Brillouin light scattering	JAPANESE JOURNAL OF APPLIED PHYSICS	40th Symposium on Ultrasonic Electronics (USE)		2020	0021-4922	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
247	Abraham, ST; Shivaprasad, S; Das, CR; Albert, SK; Venkatraman, B; Balasubramaniam, K		Effect of grain size distribution on the acoustic nonlinearity parameter	JOURNAL OF APPLIED PHYSICS			2020	0021-8979	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
248	Sahoo, KC; Goyal, S; Paul, VT; Laha, K		Effect of notch depth on creep rupture behaviour of 304HCu austenitic stainless steel	MATERIALS AT HIGH TEMPERATURES			2020	0960-3409	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
249	Basu, R; Srihari, V; Sardar, M; Srivastava, SK; Bera, S; Dhara, S		Probing phase transition in VO2 with the novel observation of low-frequency collective spin excitation	SCIENTIFIC REPORTS			2020	2045-2322	Indira Gandhi Centre for Atomic Research	NATURE PUBLISHING GROUP	IGCAR
250	Behera, AK; Viswanath, RN; David, TM; Prasad, AK; Ajikumar, PK; Mathews, T		Hydrogen sensing behaviour of platinum and palladium functionalized silicon nanowalls	APPLIED PHYSICS A- MATERIALS SCIENCE & PROCESSING			2021	0947-8396	Indira Gandhi Centre for Atomic Research	SPRINGER HEIDELBERG	IGCAR
251	Vanithakumari, SC; Athulya, V; George, RP; Philip, J		Fabrication of superhydrophobic and self cleaning PVA-silica fiber coating on 304L SS surfaces by electrospinning	JOURNAL OF APPLIED POLYMER SCIENCE			2021	0021-8995	Indira Gandhi Centre for Atomic Research	WILEY	IGCAR
252	Juine, RN; Sahu, BK; Das, A		Correlation with surface defects and maiden observation of disorder activated phonon in cubic ZnS QDs	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY			2020	1386-1425	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR

253	Balasubramanian, S; Prabakar, K; Aditi; Mukhiya, R; Sundari, ST		Effect of biaxial curvature on the resonance frequency of uncoated microcantilevers	SENSORS AND ACTUATORS A-PHYSICAL			2020	0924-4247	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
254	Suganya, P; Swaminathan, G; Anoop, B; Prasad, GVRSSGS; Nagarajan, J		Assessing the factors affecting the water chemistry parameters in the auxiliary water system of a nuclear power plant	SN APPLIED SCIENCES			2020	2523-3963	Indira Gandhi Centre for Atomic Research	SPRINGER INTERNATIONAL PUBLISHING AG	IGCAR
255	Rao, CV; Rout, A; Boda, A; Ali, SM; Venkatesan, KA		Anion assisted extraction of U(VI) in alkylammonium ionic liquid: Experimental and DFT studies	SEPARATION AND PURIFICATION TECHNOLOGY			2021	1383-5866	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
256	Meenachisundaram, S; Wakiya, N; Muthamizhchelvan, C; Gangopadhyay, P; Sakamoto, N; Ponnusamy, S		Magnetolectric Studies of Close-Packed and Hierarchically Ordered CoFe <sub>2</sub> O <sub>4</sub> /Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /LaNiO <sub>3</sub> (3)Multiferroic Thin Films	JOURNAL OF ELECTRONIC MATERIALS			2021	0361-5235	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
257	Suganya, M; Ganesan, K; Vijayakumar, P; Jakathamani, S; Gill, AS; Annalakshmi, O; Srivastava, SK; Sarguna, RM; Ganesamoorthy, S		Structural and optical properties of beta irradiated YAlO <sub>3</sub> single crystals	OPTICAL MATERIALS			2020	0925-3467	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
258	Ponnuvelu, DV; Dhakshinamoorthy, J; Prasad, AK; Dhara, S; Kamruddin, M; Pullithadathil, B		Geometrically Controlled Au-Decorated ZnO Heterojunction Nanostructures for NO <sub>2</sub> Detection	ACS APPLIED NANO MATERIALS			2020	2574-0970	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
259	Meenachisundaram, S; Wakiya, N; Muthamizhchelvan, C; Gangopadhyay, P; Sakamoto, N; Ponnusamy, S		Enhanced Magnetolectric Effects in Self-Assembled Hemispherical Close-Packed CoFe <sub>2</sub> O <sub>3</sub> -Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> Thin Film	JOURNAL OF ELECTRONIC MATERIALS			2021	0361-5235	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
260	Manavalan, B; Joshi, JB; Pandey, NK		Design Modification in the Stationary Bowl of Annular Centrifugal Extractors to Handle Adverse Conditions	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH			2020	0888-5885	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
261	Jhade, V; Sharma, AK		Enhancement in heat transfer from heat generating core debris using a passive approach in fast reactors: 3-D CFD analysis	INTERNATIONAL JOURNAL OF THERMAL SCIENCES		International	2021	1290-0729	Indira Gandhi Centre for Atomic Research	ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER	IGCAR
262	Rajeswari, VB; Paramashivan, SS; Mohan, S; Albert, SK; Rahul, M		Effect of substituting fine rutile of the flux with nano TiO <sub>2</sub> on the improvement of mass transfer efficiency and the reduction of welding fumes in the stainless steel SMAW electrode	HIGH TEMPERATURE MATERIALS AND PROCESSES			2020	0334-6455	Indira Gandhi Centre for Atomic Research	WALTER DE GRUYTER GMBH	IGCAR
263	Mounasamy, V; Mani, GK; Ponnusamy, D; Tsuchiya, K; Reshma, PR; Prasad, AK; Madanagurusamy, S		Cadmium metavanadate mixed oxide nanorods for the chemiresistive detection of methane molecules	NEW JOURNAL OF CHEMISTRY			2020	1144-0546	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
264	Akbari, M; Kamruddin, M; Morad, R; Maaza, M		Electrical Tunability of Surface Tension of Vertical Graphene Nanosheets	MRS ADVANCES			2020	2059-8521	Indira Gandhi Centre for Atomic Research	CAMBRIDGE UNIV PRESS	IGCAR

265	Chakraborty, G; Rejesh, R; Zubairuddin, M; Albert, SK		Effect of preheating and post heating in reducing diffusible hydrogen content and hydrogen assisted cracking susceptibility of modified 9Cr-1Mo steel	SCIENCE AND TECHNOLOGY OF WELDING AND JOINING			2020	1362-1718	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
266	Juine, RN; Sahu, BK; Amirthapandian, S; Das, A		Invoking Obscured Surface Optical, Acoustic, and Anharmonic Phonon Modes and Their Modulation by Synthesis Conditions and Arrangement of the Surface in OD ZnS	JOURNAL OF PHYSICAL CHEMISTRY C			2020	1932-7447	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
267	Kumar, RS; Rao, BN; Velusamy, K; Sasikala, G; Jalaldeen, S		Fatigue crack growth material parameters- based on prototype pipe bend test and comparison with conventional parameters	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		International	2020	0308-0161	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
268	Thakur, A; Mandep, J; Dam, S; Shekar, NVC; Amarendra, G; Hussain, S; Rajesh, PV; Saha, A		Enhancing the electroactive phases in freestanding flexible films of MoS <sub>2</sub> /PVDF	POLYMER CRYSTALLIZATION			2021		Indira Gandhi Centre for Atomic Research	WILEY	IGCAR
269	Rajeswari, JR; Srinivas, CV; Rao, TN; Venkatraman, B		Impact of land surface physics on the simulation of boundary layer characteristics at a tropical coastal station	ATMOSPHERIC RESEARCH			2020	0169-8095	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE INC	IGCAR
270	Sampath, S; Dhayalan, R; Kumar, A; Kishore, NN; Sohn, H		Evaluation of material degradation using phased array ultrasonic technique with full matrix capture	ENGINEERING FAILURE ANALYSIS			2021	1350-6307	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
271	Das, BK; Sairam, TN; Ramachandran, B; Rao, MSR		Chemical pressure induced near-complete suppression of spin-wave excitations in Bi(0.9)A(0.1)FeO(2.95)(A = Ba, Ca)	JOURNAL OF PHYSICS D-APPLIED PHYSICS			2020	0022-3727	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
272	Sharma, S; Khandelwal, A; Amaladass, EP; Abhirami, S; Ramjan, SK; Jayabalan, J; Mani, A; Chattopadhyay, MK		Studies on DC transport and terahertz conductivity of granular molybdenum thin films for microwave radiation detector applications	JOURNAL OF APPLIED PHYSICS			2020	0021-8979	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
273	Ramakrishna, P; Panda, S; Kumar, PV; Mohapatra, DK; Jena, H; Panigrahi, BS		Structural and optical properties of Ce-doped strontium borophosphate glasses	INDIAN JOURNAL OF PHYSICS			2021	0973-1458	Indira Gandhi Centre for Atomic Research	INDIAN ASSOC CULTIVATION SCIENCE	IGCAR
274	Das, H; Das, CR; Divya, M; Albert, SK; Pal, TK		Friction Stir Welding: A Solution to Avoid Weld Cracking in Borated Stainless Steel	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2020	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
275	Vinod, S; Camp, PJ; Philip, J		Observation of soft glassy behavior in a magnetic colloid exposed to an external magnetic field	SOFT MATTER			2020	1744-683X	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
276	Prakash, P; Vanaja, J; Reddy, GVP; Laha, K; Rao, GVSN	Lecture Notes in Mechanical Engineering	Influence of Thermomechanical Treatment in Austenitic and Ferritic Fields on Tensile Properties of Reduced Activation Ferritic-Martensitic Steel	STRUCTURAL INTEGRITY ASSESSMENT, ICONS 2018	2nd Quadrennial International Conference on Structural Integrity (ICONS)	International	2020	2195-4356	Indira Gandhi Centre for Atomic Research	SPRINGER-VERLAG SINGAPORE PTE LTD	IGCAR

277	Vallinayagam, M; Posselt, M; Chandra, S		Electronic structure and thermoelectric properties of Mo-based dichalcogenide monolayers locally and randomly modified by substitutional atoms	RSC ADVANCES			2020		Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
278	Ramasamy, V; Subramanian, Y; Varadarajan, S; Ramaswamy, K; Kaliappan, K; Arulmozhi, D; Srinivasan, GR; Gubendiran, RK		Influence of process parameters on the optimisation of crystalline phase, size and strain of multiferroic Bismuth Iron Tri Oxide (BiFeO <sub>3</sub> ) nanoceramics: A MCDM based TOPSIS approach	CERAMICS INTERNATIONAL		International	2020	0272-8842	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
279	Sunilkumar, D; Muthukumar, S; Vasudevan, M; Reddy, GM		Microstructure and Mechanical Properties Relationship of Friction Stir- and A-GTA-Welded 9Cr-1Mo to 2.25Cr-1Mo Steel	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE			2021	1059-9495	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
280	Ganesh, D; Eswaran, P; Senthilkumar, G; Bramha, SN; Chandrasekaran, S; Ravisankar, R		A Quantitative Study of Natural Uranium Present in Groundwater of Tiruvannamalai District of India	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE			2021	1028-6276	Indira Gandhi Centre for Atomic Research	SPRINGER INTERNATIONAL PUBLISHING AG	IGCAR
281	Guirguis, A; Polaki, SR; Sahoo, G; Ghosh, S; Kamruddin, M; Merenda, A; Chen, X; Maina, JW; Szekeley, G; Dumez, L		Engineering high-defect densities across vertically-aligned graphene nanosheets to induce photocatalytic reactivity	CARBON			2020	0008-6223	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
282	Singh, B; Gupta, MK; Mittal, R; Zbiri, M; Ravindran, TR; Schober, H; Chaplot, SL		Phonons and Anomalous Lattice Behavior in KMnAg <sub>3</sub> (CN) <sub>6</sub> and KNiAu <sub>3</sub> (CN) <sub>6</sub> : Inelastic Neutron Scattering and First-Principles Calculations	JOURNAL OF PHYSICAL CHEMISTRY C			2020	1932-7447	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
283	Balakrishnan, J; Preethi, LK; Sreeshma, D; Jagtap, A; Madapu, KK; Dhara, S; Rao, KSRK		Temperature- and size-dependent photoluminescence in colloidal CdTe and CdxZn1-xTe quantum dots	JOURNAL OF PHYSICS D-APPLIED PHYSICS			2021	0022-3727	Indira Gandhi Centre for Atomic Research	IOP PUBLISHING LTD	IGCAR
284	Brownson, DAC; Ferrari, AGM; Ghosh, S; Kamruddin, M; Iniesta, J; Banks, CE		Electrochemical properties of vertically aligned graphenes: tailoring heterogeneous electron transfer through manipulation of the carbon microstructure	NANOSCALE ADVANCES			2020	2516-0230	Indira Gandhi Centre for Atomic Research	ROYAL SOC CHEMISTRY	IGCAR
285	Ramesh, R; Dinaharan, I; Ravikumar, R; Akinlabi, ET		Microstructural characterization and tensile behavior of Nd:YAG laser beam welded thin high strength low alloy steel sheets	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING			2020	0921-5093	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
286	Mathimalar, S; Sasmal, S; Bhardwaj, A; Abhaya, S; Pothala, R; Chaudhary, S; Satpaty, B; Raman, KV		Signature of gate-controlled magnetism and localization effects at Bi <sub>2</sub> Se <sub>3</sub> /EuS interface	NPJ QUANTUM MATERIALS			2020		Indira Gandhi Centre for Atomic Research	NATURE PUBLISHING GROUP	IGCAR
287	Chitra, M; Mangamma, G; Uthayarani, K; Neelakandeswari, N; Girija, EK		Band gap engineering in ZnO based nanocomposites	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES			2020	1386-9477	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR



288	Kumar, B; Bag, S; Paul, CP; Das, CR; Ravikumar, R; Bindra, KS		Influence of the mode of laser welding parameters on microstructural morphology in thin sheet Ti6Al4V alloy	OPTICS AND LASER TECHNOLOGY			2020	0030-3992	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
289	Awale, DD; Vijayanand, VD; Ballal, AR; Thawre, MM; Kumar, JG; Reddy, GVP		Evaluation of tensile properties of various regions of creep exposed dissimilar weld joint using miniature specimen testing	ENGINEERING FAILURE ANALYSIS			2021	1350-6307	Indira Gandhi Centre for Atomic Research	PERGAMON-ELSEVIER SCIENCE LTD	IGCAR
290	Joseph, M; Sekar, G; Balasubramanian, R		Side channel analysis of SPECK	JOURNAL OF COMPUTER SECURITY			2020	0926-227X	Indira Gandhi Centre for Atomic Research	IOS PRESS	IGCAR
291	Behera, AK; Lakshmanan, C; Viswanath, RN; Poddar, C; Mathews, T		Electrochemical studies on wafer-scale synthesized silicon nanowalls for supercapacitor application	BULLETIN OF MATERIALS SCIENCE			2020	0250-4707	Indira Gandhi Centre for Atomic Research	INDIAN ACAD SCIENCES	IGCAR
292	Janardan, S; Anand, ASV; Suman, P; Lone, MY; Jha, PC; Rao, CVSB; Sivaramakrishna, A		Facile Reduction of Phosphine Oxides by O-Silylated Hydrazide Supported Hydrosilanes	SILICON			2021	1876-990X	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
293	Banerjee, S; Deng, JM; Vajpayee, V; Becerra, VM; Bausch, N; Shimjith, SR; Arul, J		LMI Based Robust PID Controller Design for PWR with Bounded Uncertainty using Interval Approach	2019 IEEE 7TH INTERNATIONAL CONFERENCE ON CONTROL, MECHATRONICS AND AUTOMATION (ICCMA 2019)	7th IEEE International Conference on Control, Mechatronics and Automation (ICCMA)	International	2019		Indira Gandhi Centre for Atomic Research	IEEE	IGCAR
294	Godbole, K; Das, CR; Joardar, J; Albert, SK; Ramji, M; Panigrahi, BB		Toughening of AISI 410 Stainless Steel Through Quenching and Partitioning and Effect of Prolonged Aging on Microstructure and Mechanical Properties	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE			2020	1073-5623	Indira Gandhi Centre for Atomic Research	SPRINGER	IGCAR
295	Khajuria, A; Akhtar, M; Bedi, R; Kumar, R; Ghosh, M; Das, CR; Albert, SK		Microstructural investigations on simulated intercritical heat-affected zone of boron modified P91-steel	MATERIALS SCIENCE AND TECHNOLOGY			2020	0267-0836	Indira Gandhi Centre for Atomic Research	TAYLOR & FRANCIS LTD	IGCAR
296	Khajuria, A; Akhtar, M; Bedi, R; Kumar, R; Ghosh, M; Das, CR; Albert, SK		Influence of boron on microstructure and mechanical properties of Gleeble simulated heat-affected zone in P91 steel	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		International	2020	0308-0161	Indira Gandhi Centre for Atomic Research	ELSEVIER SCI LTD	IGCAR
297	Manikanthababu, N; Tak, BR; Prajna, K; Sarkar, S; Asokan, K; Kanjilal, D; Barman, SR; Singh, R; Panigrahi, BK		Swift heavy ion irradiation-induced modifications in the electrical and surface properties of beta-Ga2O3	APPLIED PHYSICS LETTERS			2020	0003-6951	Indira Gandhi Centre for Atomic Research	AMER INST PHYSICS	IGCAR
298	Dineshbabu, G; Uma, VS; Mathimani, T; Prabaharan, D; Uma, L		Elevated CO2 impact on growth and lipid of marine cyanobacterium Phormidium valderianum BDU 20041-towards microalgal carbon sequestration	BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY			2020		Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR
299	Karthick, S; Santha, A; Ganesh, D; Thirupugalmani, K; Ganesamoorthy, S; Chaudhary, AK; Brahadeeswaran, S		Growth, spectral, laser damage and hirshfeld surface studies on configurationally locked 2-(3-(4-hydroxystyryl)-5,5-dimethylcyclohex-2-enylidene) malononitrile (OH1) single crystal- A potential terahertz emitter	JOURNAL OF MOLECULAR STRUCTURE			2021	0022-2860	Indira Gandhi Centre for Atomic Research	ELSEVIER	IGCAR

300	Das, BK; Ramachandran, B; Dixit, A; Rao, MSR; Naik, R; Sathyanarayana, AT; Sairam, TN; Amarendra, G		Emergence of two-magnon modes below spin-reorientation transition and phonon-magnon coupling in bulk BiFeO <sub>3</sub> : An infrared spectroscopic study	JOURNAL OF ALLOYS AND COMPOUNDS			2020	0925-8388	Indira Gandhi Centre for Atomic Research	ELSEVIER SCIENCE SA	IGCAR
301	Mahana, S; Pandey, SK; Rakshit, B; Nandi, P; Basu, R; Dhara, S; Turchini, S; Zema, N; Manju, U; Mahanti, SD; Topwal, D		Site substitution in GdMnO <sub>3</sub> : Effects on structural, electronic, and magnetic properties	PHYSICAL REVIEW B			2020	2469-9950	Indira Gandhi Centre for Atomic Research	AMER PHYSICAL SOC	IGCAR
302	Mishra, KK; Ravindran, TR; Island, JO; Flores, E; Ares, JR; Sanchez, C; Ferrer, U; van der Zant, HSJ; Pawbake, A; Kanawade, R; Castellanos-Gomez, A; Late, DJ		Raman Fingerprint of Pressure-Induced Phase Transitions in TIS <sub>3</sub> Nanoribbons: Implications for Thermal Measurements under Extreme Stress Conditions	ACS APPLIED NANO MATERIALS			2020	2574-0970	Indira Gandhi Centre for Atomic Research	AMER CHEMICAL SOC	IGCAR
303	Arun Kumar Pati	Nobel Dreams of India				National	2020		HRI	Juggernaut publications	HRI
304	Arun Kumar Pati	NATURE, SCIENCE	Quantum Cheshire Cats	NA	NA	National	2020		HRI	Nature-India-Annual-Volume-2020.pdf	HRI
305	Arun Kumar Pati	<a href="https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.125.123601">https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.125.123601</a>	Quantum State Interferography	NA	NA	National	2020		HRI	Top 20 Discoveries of DST	HRI
306	Aditi Sen De	Resource Book on Profiles of Indian Women Scientists	Indian Women Scientists. Vigyan Vidushi (Swatantra ka Amrit Mahotsav)	NA	NA	National	2020		HRI	VIGYAN PRASAR, Govt. of India <a href="https://swavigyan75.in/sites/default/files/2021-08/Women_s%20Scientist%20Final%20Low%20Res%20Spread.pdf">https://swavigyan75.in/sites/default/files/2021-08/Women_s%20Scientist%20Final%20Low%20Res%20Spread.pdf</a>	HRI
307	Santu Dey, Sudipta Mandal, <u>N. Gayathri and P. Mukherjee</u>		"Microstructural study of deformed vanadium using synchrotron X-ray diffraction (SXRD)"		International Conference on Current Trends in Materials Science and Engineering (CTMSE)	International	2021		VECC, Kolkata		VECC
308	Argha Dutta, <u>N. Gayathri, P. Mukherjee</u>		"Radiation damage study of oxygen irradiated Nb-1Zr-0.1C"		International Conference on Current Trends in Materials Science and Engineering (CTMSE)	International	2021		VECC, Kolkata		VECC
309	Santanu Pathak, <u>Parnika Das, Tilak Das,</u>		"Precision measurement and electronic structure calculations for understanding the microscopic and macroscopic properties of HfO <sub>2</sub> "		International workshop and conference on "Evolution of Electronic Structure Theory and Experimental Realization (EESTER 2020)"	International	2020		VECC, Kolkata		VECC
310	Paritosh Chaudhuri	Recent Advances in Mechanical Infrastructure	Estimation of Boundary Heat Flux with Conjugate Gradient Method by Experimental Transient Temperature Data	ICRAM 2020: Proceedings	International Conference on Recent Advances in Mechanical Infrastructure	National	2021	ISBN 978-981-33-4175-3	IPR	Springer	IPR
311	Chinmoy Mallick, Mainak Bandyopadhyay And Rajesh Kumar	Selected Topics in Plasma Physics, Edited by Sukhmander Singh	Evolution of Microwave Electric Field on Power Coupling to Plasma during Ignition Phase			International	2020	ISBN 978-1-83962-680-7	IPR	IntechOpen	IPR

312	Joydeep Ghosh	Macromolecular Characterization of Hydrocarbons for Sustainable Future	Radio Frequency (RF) Plasma Treatment of Coal: Preliminary Results and Future Projections (Green Energy and Technology (GREEN))			International	2021	ISBN: 978-981-33-6133-1	IPR	Springer	IPR	
313	Surya Kumar Pathak		Design of an Ultra-Wideband Polarization Insensitive and Wide Angle Metasurface Absorber Based on Resistive-Ink		2020 IEEE International Conference on Computational Electromagnetics (ICCEM)	International	2020		IPR	IEEE	IPR	
314	Surya Kumar Pathak		Initial Lab Test Results of Magneto-Optic Current Sensor Diagnostic Developed for Plasma Current Measurement in Tokamaks		29th DAE-BRNS National Laser Symposium (NLS-29), Indore	National	2021		IPR	Indian Laser Association	IPR	
315	Surya Kumar Pathak		Investigation of Dispersion and Radiation Characteristics of Plasma Loaded Helical Antenna		IEEE 15th European Conference on Antennas and Propagation (EuCAP)	International	2021		IPR	IEEE	IPR	
316	Mainak Bandyopadhyay		1D-3v PIC-MCC Based Modeling and Simulation of Magnetized Low-Temperature Plasmas		6th International Conference on Mathematics and Computing, Advances in Intelligent Systems and Computing	International	2020		IPR	Springer	IPR	
317	Hitesh Pandya		Corrugated Horn Antenna as Mode Transition for Millimeter-Wave Plasma Diagnostics System		IEEE Indian Conference on Antennas and Propagation, (InCAP 2019)	International	2020		IPR	IEEE	IPR	
318	Hem Chandra Joshi		Formation of Laser Induced Concentric Surface Structures on Brass and the Impact of Ambient Conditions on It		AIP Conference Proceedings	International	2020		IPR	AIP	IPR	
319	Hem Chandra Joshi		Fabrication and Characterization of Substrate Heater for Universal Vacuum Coating Systems		AIP Conference Proceedings	International	2020		IPR	AIP	IPR	
320	B. K. Saikia		Ion Acoustic Solitary Wave Propagation in Collisional Magnetized Nonthermal Plasma		Recent Trends in Applied Mathematics (Lecture Notes in Mechanical Engineering)	International	2021		IPR	Springer	IPR	
321	Mukesh Ranjan		Moist Air Condensation on Teflon Coated Copper Helical Coil		Materials Today: Proceedings	International	2021		IPR	Elsevier	IPR	
322	Sachin Punatar (co-author)	JCO Global Oncology	Real-World Outcomes With Generic Pomalidomide in Relapsed Refractory Multiple Myeloma-Experience From a Tertiary Care Cancer Center	NA	NA	International journal	2021	2378-9506		Tata Memorial Centre, Homi Bhabha National Institute	American Society of Clinical Oncology	TMC
323	Sachin Punatar (co-author)	Blood Advances	Outcomes and prognostic factors in adolescents and young adults with ALL treated with a modified BFM-90 protocol	NA	NA	International journal	2021	2473-9537		Tata Memorial Centre, Homi Bhabha National Institute	American Society of Hematology	TMC
324	Sachin Punatar (co-author)	Asia Pacific Journal of Clinical Oncology	Evaluation of cytogenetic response in CML patients with variant Philadelphia translocation.	NA	NA	International journal	2021	1743-7555		Tata Memorial Centre, Homi Bhabha National Institute	Wiley-Blackwell Publishing Ltd.	TMC

325	Sachin Punatar (co-author)	Cancer Medicine	COVID-19 in cancer patients on active systemic therapy - Outcomes from LMIC scenario with an emphasis on need for active treatment	NA	NA	International journal	2020	2045-7634	Tata Memorial Centre, Homi Bhabha National Institute	Wiley Publishers	TMC
326	Sachin Punatar (co-author)	International Journal of Hematology	Bortezomib and cyclophosphamide based chemomobilization in multiple myeloma	NA	NA	International journal	2020	0925-5710	Tata Memorial Centre, Homi Bhabha National Institute	Springer Science	TMC
327	Sachin Punatar (co-author)	Cell Transplantation	A Limited Sampling Strategy for Therapeutic Drug Monitoring of Mycophenolate Mofetil for Prophylaxis of Acute Graft-Versus-Host Disease in Allogeneic Stem Cell Transplantation	NA	NA	International journal	2020	0963-6897	Tata Memorial Centre, Homi Bhabha National Institute	SAGE Publications	TMC
328	Sachin Punatar (presenting author)	Blood	Comparison of Outcomes of Donor Lymphocyte Infusions with or without Lenalidomide in Patients with Hematological Malignancies Post Allogeneic Transplant	Blood journal, volume 136, supplement 1	ASH annual conference 2020	International journal	2020	0006-4971	Tata Memorial Centre, Homi Bhabha National Institute	American Society of Hematology	TMC
329	Dr. Ayushi Sahay		Melanotic Schwannoma, a Deceptive Misnomer for a Tumor With Relative Aggressive Behavior: A Series of 7 Cranial and Spinal Cases			International journal	2020	1066-8969	TMC, Mumbai		TMC
330	Dr. Ayushi Sahay		ALK1 Gene Rearranged Pulmonary Sarcomatoid Carcinoma Masquerading as Tuberculosis in a Young Male.				2020		TMC, Mumbai		TMC
331	Dr. Ayushi Sahay		Small Cell Carcinoma of Ovary, Hypercalcemic Type (Malignant Rhabdoid Tumor of Ovary) with Loss of SMARCA4 (BRG1) Expression: Report of Two Cases.				2020		TMC, Mumbai		TMC
332	Dr. Ayushi Sahay		Primary retroperitoneal GIST: Case report and review of literature.				2020		TMC, Mumbai		TMC
333	Dr. Ayushi Sahay		Intrahepatic Cholangiocarcinoma Presenting as a Scalp Mass.				2020		TMC, Mumbai		TMC
334	Dr. Ayushi Sahay		Extent of re-excision, sequence/timing of salvage re-irradiation, and disease-free interval impact upon clinical outcomes in recurrent/progressive ependymoma.				2020		TMC, Mumbai		TMC
335	Dr. Ayushi Sahay		A rare case of aggressive, Merkel Cell Carcinoma of the male breast co-existing with chronic lymphocytic leukemia.				2020		TMC, Mumbai		TMC
336	Dr. Ayushi Sahay		The Rare Phenomenon of Loss of INI1 Expression at Recurrence/Progression of Primary Central Nervous System Tumors: Report of 3 Cases.				2020		TMC, Mumbai		TMC

337	Dr. Ayushi Sahay		Clinico-radiological characteristics, histopathological features and long-term survival outcomes in central neurocytoma: A single-institutional audit.				2021		TMC, Mumbai		TMC
338	Dr. Ayushi Sahay		Revisiting Histomorphology and Immunohistochemistry With Analysis of Cyclin D1 Overexpression and <i>MYC</i> Amplification.				2021		TMC, Mumbai		TMC
339	Neha Mittal	Grossing of Oncological specimens	Larynx and Hypopharynx grossing, Grossing of Cervical excision specimens			International	2021		TMC	Sundaram Publication	TMC
340	Sangeeta Kakoti		Analysis of radiotherapy-induced alteration of CD8+ T cells and PD-L1 expression in patients with uterine cervical squamous cell carcinoma	Oncol Lett. 2021 Jun;21(6):446		International	2021		Tata Memorial Centre		TMC
341	Sangeeta Kakoti		High linear energy transfer carbon-ion irradiation upregulates PD-L1 expression more significantly than X-rays in human osteosarcoma U2OS cells	J Radiat Res. 2021 Sep 13;62(5):773-781		International	2021		Gunma University, Japan		TMC
342	Sangeeta Kakoti		Outcomes of osteosarcoma, chondrosarcoma and chordoma treated with image guided-intensity modulated radiation therapy	Radiotherapy and Oncology 164(4)		International	2021		Tata Memorial Centre, HBNI		TMC
343	Sangeeta Kakoti		Clinical characteristics, laboratory parameters and outcomes of COVID-19 in cancer and non-cancer patients from a tertiary Cancer Centre in India	Cancer Medicine, Nov 16 2021 (online ahead of print)		International	2021		Tata Memorial Centre, HBNI		TMC
344	Sangeeta Kakoti		Expression of non-homologous end joining factor, Ku80, is negatively correlated with PD-L1 expression in cancer cells after X-ray irradiation	Oncol Letters, 2022 Jan;23(1):29		International	2021		Tata Memorial Centre, HBNI		TMC
345	Sumeet Prakash Mirgh (First Author)	Chapter "Acute complications in stem cell transplantation" in book "Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation"	Acute complications in stem cell transplantation	Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation.	Book named "Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation"	National + International book	2021	9783030363574	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Springer	TMC
346	Sumeet Prakash Mirgh (First Author)	Chapter "Lymphoma" in a book "Clinical Oncology"	Lymphoma	Clinical Oncology	Book named "Clinical Oncology"	National book	2020	9788194558644	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Thieme	TMC
347	Sumeet Prakash Mirgh (Second Author)	Effect of age, comorbidity and remission status on outcome of COVID-19 in patients with hematological malignancies	Effect of age, comorbidity and remission status on outcome of COVID-19 in patients with hematological malignancies	Blood Cells Molecules and Diseases	Blood Cells Molecules and Diseases	International journal	2021	1096-0961	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Elsevier	TMC

348	Sumeet Prakash Mirgh (First Author)	Clinical Course of Severe COVID19 treated with Tocilizumab and Antivirals Post-Allogeneic Stem Cell Transplant with Extensive Chronic GVHD	Clinical Course of Severe COVID19 treated with Tocilizumab and Antivirals Post-Allogeneic Stem Cell Transplant with Extensive Chronic GVHD	Transplant Infectious Diseases	Transplant Infectious Diseases	International journal	2021	13993062, 13982273	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Wiley-Blackwell Publishing Ltd	TMC
349	Sumeet Prakash Mirgh (Co-Author)	Extranodal NK-T Cell Lymphoma, Nasal Type: Retrospective Analysis of Real-World Data	Extranodal NK-T Cell Lymphoma, Nasal Type: Retrospective Analysis of Real-World Data	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
350	Sumeet Prakash Mirgh (Corresponding Author)	Primary Bone Lymphoma: A 13 Year Retrospective Institutional Analysis in the Chemo-Immunotherapy Era	Primary Bone Lymphoma: A 13 Year Retrospective Institutional Analysis in the Chemo-Immunotherapy Era	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
351	Sumeet Prakash Mirgh (Corresponding Author)	An "impossible" harvest-GCSF-induced immune thrombocytopenia in an autologous stem cell transplant recipient with multiple myeloma	An "impossible" harvest-GCSF-induced immune thrombocytopenia in an autologous stem cell transplant recipient with multiple myeloma	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Springer	TMC
352	Sumeet Prakash Mirgh (Second and Corresponding Author)	Study of clinical characteristics, risk factors and outcomes for tuberculosis post allogeneic stem cell transplant: never count it out	Study of clinical characteristics, risk factors and outcomes for tuberculosis post allogeneic stem cell transplant: never count it out	Therapeutic Advances in Infectious Diseases	Therapeutic Advances in Infectious Diseases	International journal	2021	2049937X, 20499361	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	SAGE science	TMC
353	Sumeet Prakash Mirgh (Co-author)	Retrospective institutional analysis of fludarabine/8 Gy TBI reduced intensity conditioning in high risk ALL	Retrospective institutional analysis of fludarabine/8 Gy TBI reduced intensity conditioning in high risk ALL	Bone Marrow Transplantation	Bone Marrow Transplantation	International journal	2020	1476-5365	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Nature	TMC
354	Sumeet Prakash Mirgh (First Author)	Perils of Technology - Laptop Induced Erythema Ab Igne (Toasted Skin Syndrome) on Abdomen	Perils of Technology - Laptop Induced Erythema Ab Igne (Toasted Skin Syndrome) on Abdomen	Indian Journal of Occupational and Environmental Medicine	Indian Journal of Occupational and Environmental Medicine	National journal	2020	0973-2284	Bombay Hospital Institute of Medical Sciences, Mumbai	Medknow	TMC
355	Sumeet Prakash Mirgh (Corresponding Author)	Treading a difficult path – GCSF induced mobilization of stem cells in pregnancy	Treading a difficult path – GCSF induced mobilization of stem cells in pregnancy	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
356	Sumeet Prakash Mirgh (Co-author)	Ibrutinib – A narrative drug review	Ibrutinib – A narrative drug review	Cancer Research, Statistics and Treatment	Cancer Research, Statistics and Treatment	National journal	2020	2590-3225	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Medknow	TMC
357	Sumeet Prakash Mirgh (Corresponding Author)	Management of acute leukemias: New tools validated by old treatments	Management of acute leukemias: New tools validated by old treatments	Cancer Research, Statistics and Treatment	Cancer Research, Statistics and Treatment	National journal	2020	2590-3225	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Medknow	TMC

358	Sumeet Prakash Mirgh (Co-author)	Incidence, Risk Factors, and Outcomes of Viral Reactivations in Alternative Donor Haematopoietic Stem Cell Transplant	Incidence, Risk Factors, and Outcomes of Viral Reactivations in Alternative Donor Haematopoietic Stem Cell Transplant	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
359	Sumeet Prakash Mirgh (Co-author)	Comparison of outcomes of donor lymphocyte infusion with or without Lenalidomide in patients with Hematological malignancies post allogeneic stem cell transplant	Comparison of outcomes of donor lymphocyte infusion with or without Lenalidomide in patients with Hematological malignancies post allogeneic stem cell transplant	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
360	Sumeet Prakash Mirgh (Co-author)	Real World Experience of Etanercept in Steroid Refractory Acute Graft Versus Host Disease from a Tertiary Cancer Centre in India	Real World Experience of Etanercept in Steroid Refractory Acute Graft Versus Host Disease from a Tertiary Cancer Centre in India	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
361	Sumeet Prakash Mirgh (Co-author)	Efficacy of Artesunate in treatment of CMV post Allogeneic HSCT	Efficacy of Artesunate in treatment of CMV post Allogeneic HSCT	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC
362	Sumeet Prakash Mirgh (Co-author)	Fludarabine-Melphalan vs Fludarabine Treosulfan as reduced intensity conditioning regimens in HSCT	Fludarabine-Melphalan vs Fludarabine Treosulfan as reduced intensity conditioning regimens in HSCT	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC
363	Sumeet Prakash Mirgh (Co-author)	Case series of SARS-CoV2 in stem cell transplant recipients	Case series of SARS-CoV2 in stem cell transplant recipients	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC
364	Dr Akanksha Chichra	Am J Blood Res	Human leukocyte antigen (HLA) alleles as predictive factors for benefit from lenalidomide in acute myeloid leukemia (AML).	NA	NA	International journal	2021	ISSN -2160-1992	Tata memorial centre	e century publishing corporation	TMC
365	Dr Akanksha Chichra	Am J Blood Res	Long term outcome of a patient with relapsed refractory early thymic precursor acute lymphoblastic leukemia treated with daratumumab.	NA	NA	International journal	2021	ISSN -2160-1992	Tata memorial centre	e century publishing corporation	TMC
366	Dr Akanksha Chichra	Cancer Med	Clinical characteristics, laboratory parameters and outcomes of COVID-19 in cancer and non-cancer patients from a tertiary Cancer Centre in India.	NA	NA	International journal	2021	ISSN-2045-7634	Tata memorial centre	Wiley Publishing	TMC
367	Dr Akanksha Chichra	Indian J Hematol Blood Transfus	SARS-CoV2 Infection in Hematopoietic Stem Cell Transplant recipients: A Case Series from a Tertiary Cancer Centre in India.	NA	NA	National Journal	2021	ISSN-0971-4502	Tata memorial centre	Springer nature	TMC

368	Dr Akanksha Chichra	Int J Hematol	Bortezomib and cyclophosphamide based chemo-mobilization in multiple myeloma.	NA	NA	International journal	2020	ISSN-0925-5710	Tata memorial centre	Wiley Publishing	TMC
369	Dr Akanksha Chichra	Bone Marrow Transplant	Pre-transplant use of tyrosine kinase inhibitors and transplant associated thrombotic microangiopathy - a single centre analysis of incidence, risk factors and outcomes	NA	NA	International journal	2020	ISSN-0268-3369	Tata memorial centre	Nature research	TMC
370	Dr Akanksha Chichra	Transpl Infect Dis	Clinical course of severe COVID19 treated with tocilizumab and antivirals post-allogeneic stem cell transplant with extensive chronic GVHD	NA	NA	International journal	2020	ISSN-1398-2273	Tata memorial centre	Wiley Publishing	TMC
371	Dr. Nishant Jindal	BMJ case reports	Unusual cause of mediastinal widening	NA	NA	International journal	43983	1757-790X	PGIMER, Chandigarh	BMJ	TMC
372	Dr. Nishant Jindal	JCO global oncology	Chronic Lymphocytic Leukemia: Real-World Data From India	NA	NA	International journal	43983	2687-8941	PGIMER, Chandigarh	Wolters Kluwer Health	TMC
373	Dr. Nishant Jindal	Haematology/oncology and stem cell therapy	Carfilzomib-induced thrombotic microangiopathy: A case based review	NA	NA	International journal	44013	1658-3876	PGIMER, Chandigarh	Elsevier Ltd	TMC
374	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	How to Use a Prioritised Approach for Treating Hematological Disorders During the COVID-19 Pandemic in India?	NA	NA	National journal	43983	0974-0449	PGIMER, Chandigarh	Springer	TMC
375	Dr. Nishant Jindal	British journal of haematology	Dose-adjusted EPOCH-R: a feasible alternative for Burkitt lymphoma in resource-constrained settings	NA	NA	International journal	44075	1365-2141	PGIMER, Chandigarh	Wiley Blackwell	TMC
376	Dr. Nishant Jindal	European journal of haematology	Quality of life in patients of chronic lymphocytic leukemia using the EORTC QLQ-C30 and QLQ-CLL17 questionnaire	NA	NA	International journal	44166	1600-0609	PGIMER, Chandigarh	Wiley Blackwell	TMC
377	Dr. Nishant Jindal	Leukemia and lymphoma	Modified CLL International Prognostic Index (CLL-LIPI) using lymphocyte doubling time (LDT) in place of IgHV mutation status in resource-limited settings predicts time to first treatment and overall survival	NA	NA	International journal	43983	1029-2403	PGIMER, Chandigarh	Taylor and Francis	TMC
378	Dr. Nishant Jindal	Indian journal of medical research	Use of convalescent plasma for COVID-19 in India: A review & practical guidelines	NA	NA	National journal	44228	0975-9174	PGIMER, Chandigarh	Wolters Kluwer Health	TMC
379	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	Does Development of Plasmacytosis have a Role in Spontaneous Remission of Acute Myeloid Leukemia?	NA	NA	National journal	44197	0974-0449	PGIMER, Chandigarh	Springer	TMC
380	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	Efficacy, safety, and quality of life of generic and innovator ibrutinib in Indian CLL patients	NA	NA	National journal	44287	0974-0449	PGIMER, Chandigarh	Springer	TMC
381	Dr. Nishant Jindal	Leukemia and lymphoma	Randomized controlled trial of individualized, low dose, fixed duration lenalidomide maintenance versus observation after frontline chemo-immunotherapy in CLL	NA	NA	International journal	44378	1029-2403	PGIMER, Chandigarh	Taylor and Francis	TMC



382	Dr Bharat Rekhi	Angiomatoid fibrous histiocytoma in WHO 2020 5th edition of soft tissue and bone tumors. IARC Press	Clinicopathological features of four cases of BCOR-CCNB3 positive sarcomas	Oral Paper session. Molecular Pathology. OFP16-0003	European Congress of Pathology, Gthernburg (Virtual)	International	2021	Virchows Arch 2021 479. Suppl 1: S38	Tata Memorial Hospital, HBNI University	IARC, Springer	TMC
383	Dr Bharat Rekhi	Superficial CD34 positive fibroblastic tumor in WHO 2020 5th edition of soft tissue and bone tumors. IARC Press	Detection of MDM2 gene amplification by tissue microarray -based FISH in well-differentiated and dedifferentiated liposarcomas, displaying a wide morphological spectrum: a validation study	Oral Paper session. Molecular Pathology. OFP-24-0001	European Congress of Pathology, Gthernburg (Virtual)	International	2021	Virchows Arch 2021 479. Suppl 1: S53	Tata Memorial Hospital, HBNI University	IARC, Springer	TMC
384	Dr Bharat Rekhi	Angiomatoid fibrous histiocytoma in upcoming WHO fascicle on Pediatric Tumors. IARC Press	Cytomorphologic features of Liposarcomas: An experience at a tertiary cancer referral center, India.	Oral Paper session	European Congress of Cytology (Virtual), Wroclow, Poland	International				IARC	TMC
385	Dr. Sunil B. Rajadhyaksha	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC
386	Dr. Priti D Desai	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC
387	Dr. Anisha A. Navkudkar	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC
388	Dr. Sunil B. Rajadhyaksha	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures			International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
389	Dr. Priti D Desai	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures			International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
390	Dr. Anisha A. Navkudkar	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures			International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
391	Dr. Sunil B. Rajadhyaksha		Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia			National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC
392	Dr. Priti D Desai		Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia			National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC
393	Dr. Anisha A. Navkudkar		Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia			National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC

394	Dr. Sunil B. Rajadhyaksha	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
395	Dr. Priti D Desai	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
396	Dr. Anisha A. Navkudkar	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
397	Dr.Kunal B.Gala	Nuclear Medicine Communications	Prognostic value of lung shunt fraction in hepatocellular carcinoma and unresectable liver dominant metastatic colorectal cancer undergoing transarterial radioembolisation				2021	PMID: 34887368	Tata Memorial Hospital		TMC
398	Dr.Kunal B.Gala	JCIR	Percutaneous CT Guided Vertebral Biopsy: Anatomy and Technical Considerations				2021	<a href="https://doi.org/10.1055/s-0041-1729778">https://doi.org/10.1055/s-0041-1729778</a>	Tata Memorial Hospital		TMC
399	Dr.Kunal B.Gala	IJRI	Magnetic Resonance Imaging of Uterine Cervix: A Pictorial Essay				2021	PMID: 34556931	Tata Memorial Hospital		TMC
400	Dr.Kunal B.Gala	IJA	Ultrasound-guided assessment of gastric residual volume in patients receiving three types of clear fluids: A randomised blinded study				2021	PMID: 34103742	Tata Memorial Hospital		TMC
401	Dr.Kunal B.Gala	JVIR	Percutaneous Radiofrequency Ablation of Appendicular Skeleton Chondroblastoma—an Experience from a Tertiary Care Cancer Center				2021	PMID: 33612370	Tata Memorial Hospital		TMC
402	Dr.Kunal B.Gala	Nuclear Medicine Communications	Prognostic value of imaging-based parameters in patients with intermediate-stage hepatocellular carcinoma undergoing transarterial radioembolization				2021	PMID: 33306631	Tata Memorial Hospital		TMC
403	Dr.Kunal B.Gala	IJRI	Are radiological diagnostic centres ready to tackle COVID-19 pandemic? An Indian perspective				2021	PMID: 33814757	Tata Memorial Hospital		TMC
404	Dr.Kunal B.Gala	IJRI	Interventional radiology preparedness during coronavirus disease (COVID-19) pandemic				2021	PMID: 33814758	Tata Memorial Hospital		TMC
405	Dr.Kunal B.Gala	JCIR	Role of transarterial embolization in the management of hepatic artery pseudoaneurysm postlaparoscopic cholecystectomy				2020	DOI: 10.1055/s-0040-1721533	Tata Memorial Hospital		TMC

406	Dr.Kunal B.Gala	JCIR	A Validation Study of Liver Volumetry Estimation by a Semiautomated Software in Patients Undergoing Hepatic Resections				2020	DOI: 10.1055/s-0040-1721534	Tata Memorial Hospital		TMC
407	Dr.Kunal B.Gala	JOA	Continuous erector spinae plane block in pediatric patients with intraspinal tumors—Case reports				2020	PMID: 33840942	Tata Memorial Hospital		TMC
408	Dr.Kunal B.Gala	IJRI	Microwave ablation: How we do it?				2020	PMID: 33100690	Tata Memorial Hospital		TMC
409	Dr.Kunal B.Gala	IJO	Phosphaturic mesenchymal tumors from head to toe: imaging findings and role of the radiologist in diagnosing tumor-induced osteomalacia				2020	PMID: 32257040	Tata Memorial Hospital		TMC
410	Dr. Nitin Shetty	Radiology Beyond Imaging Intertwining Imaging with Advanced Technology	conversational Agents for Patient Assistance		Evidence Based Management of cancers in India, Vol. XVIII Part E (2021)	National	2021	978-93-82963-58-5	Tata Memorial Hospital	Tata Memorial Centre, Mumbai	TMC
411	Dr Sujata lall	Infectious Diseases in Critical Care	Infection control practices in ICU				2021		ACTREC	CBS	TMC
412	Dr. S. N. Achary	Ch. Handbook of Environmental Materials Management		Management of Environmental Waste and Pollutants: Current Trend and Research Directions			2020	ISBN 978-3-319-58538-3,		Springer Cham, Springer Nature Switzerland	BARC
413	Dr. S. N. Achary	Synthesis of materials under high pressure		Synthesis strategies for advanced materials" Vol-I: Techniques and Fundamentals			2021	ISBN: 978-981-16-1806-2		Springer, 2021	BARC
414	Dr. S. N. Achary	Synthesis of inorganic fluorides		Synthesis strategies for advanced materials" Vol-III			2021	ISBN: 978-981-16-1892-5		Springer, 2021	BARC
415	Dr. S. N. Achary	Synthesis of materials with unusual oxidation state		Synthesis strategies for advanced materials" Vol-III			2021	ISBN: 978-981-16-1892-5		Springer, 2021	BARC
416	Dr. (Smt.) Gunjan Verma		Design strategies and evolving role of biomaterial assisted treatment of osteosarcoma			International	2021			Mater. Sci. & Eng. C, 121 (2021) 111875	BARC
417	Dr. (Smt.) Gunjan Verma		Changes in aggregation properties of TPGS micelles in the presence of sodium cholate			International	2021			Colloids and Surfaces A: Physicochem. & Eng. Aspects, 610 (2021) 125938	BARC
418	Dr. (Smt.) Gunjan Verma		An inclusive thermophysical and rheology portrayal of deep eutectic solvents (DES) for metal oxides dissolution enhancement			International	2021			J. Mol. Liq., 332 (2021) 115909	BARC
419	Dr. (Smt.) Gunjan Verma		Structural and therapeutic properties of curcumin solubilized pluronic F127 micellar solutions and hydrogels			International	2020			J. Mol. Liq. 314 (2020) 113591	BARC
420	Dr. (Smt.) Gunjan Verma		Structural and therapeutic properties of Pluronic® P123/F127 micellar systems and their modulation by salt and essential oil			International	2020			J. Mol. Liq. 310 (2020) 113231	BARC

421	Dr. Madhava B Mallia		Galectin-3 Targeting Niosomes For Cancer Therapy: A Preliminary Evaluation		8th Interdisciplinary Symposium on Materials Chemistry	International	2021		BARC & HBNI		BARC
422	Dr. Madhava B Mallia		[177Lu]Lu-labeled gold nanoparticles as tumor hypoxia targeting platforms		eSRS Virtual Meeting	International	2021		BARC & HBNI	Elsevier	BARC
423	Dr. (Kum.) Sharmistha Dutta Choudhury		Lumichrome tautomerism in alcohol-water mixtures	Proceedings of National Symposium on Radiation & Photochemistry (NSRP-2021)	National Symposium on Radiation & Photochemistry (NSRP-2021)	National	2021	NA	BARC	NA	BARC
424	Dr. Amit Kunwar			Paradoxical behavior of organodiselenides: pro-oxidant to antioxidant	1st International Electronic Conference on Catalysis Sciences	International	2020	Chem. Proc. 2020, 2(1), 6; <a href="https://doi.org/10.3390/ECCS2020-07552">https://doi.org/10.3390/ECCS2020-07552</a>	BARC & HBNI	MDPI	BARC
425	Dr. Amit Kunwar			Design and Synthesis of Diselenide Containing Bio-Catalyzing Polymeric Nanocarriers for Targeted Chemotherapy	1st International Electronic Conference on Catalysis Sciences	International	2020	<a href="https://doi.org/10.3390/ECCS2020-07630">https://doi.org/10.3390/ECCS2020-07630</a>	BARC & HBNI	MDPI	BARC
426	Dr. Jahur Alam Mondal		Dipolar small molecules at the air-water interface: A heterodyne-detected vibrational sum frequency generation (HD-VSFG) study				2020		BARC, HBNI	Asian Journal of Physics Vol. 29, (2020) 287-294	BARC
427	Dr. Jahur Alam Mondal		Adsorption of Iodine Species (I <sub>3</sub> <sup>-</sup> , I <sub>2</sub> , and IO <sub>3</sub> <sup>-</sup> ) at the Nuclear Paint Monolayer-Water Interface and Its Relevance to a Nuclear Accident Scenario				2020		BARC, HBNI	J. Phys. Chem. A 2020, 124, 6726–6734	BARC
428	Dr. Jahur Alam Mondal		Restructuring of Hydration Shell Water due to Solvent-Shared Ion Pairing (SSIP): A Case Study of Aqueous MgCl <sub>2</sub> and LaCl <sub>3</sub> Solutions				2020		BARC, HBNI	J. Phys. Chem. B 2020, 124, 8141–8148	BARC
429	Dr. Jahur Alam Mondal		Interaction of $\alpha$ -Synuclein with Phospholipids and the Associated Restructuring of Interfacial Lipid Water: An Interface-Selective Vibrational Spectroscopic Study				2020		BARC, HBNI	Angew. Chem. Int. Ed. 2020, 59, 22731 – 22737	BARC
430	Dr. Jahur Alam Mondal		“Breaking” and “Making” of Water Structure at the Air/Water-Electrolyte (NaXO <sub>3</sub> ; X = Cl, Br, I) Interface				2021		BARC, HBNI	J. Phys. Chem. Lett. 2021, 12, 1955-1960	BARC
431	Dr. Nandita Maiti	Processing and functionalization of materials (Vol. II) in “Synthesis strategies for advanced materials”, Eds. A. K. Tyagi and R. S. Ningthoujam	Synthesis of Functionalized Noble metal nanoparticles (Book Chapter)			International	2021		HBNI, Mumbai	Springer	BARC

432	Dr. Nandita Maiti		2-thiazoline-2-thiol functionalized gold nanoparticles for detection of heavy metals, Hg (II) and Pb (II) and probing their competitive surface reactivity: A colorimetric, surface enhanced Raman scattering (SERS) and x-ray photoelectron spectroscopic (XPS) study.			International	2021		HBNI, Mumbai	Coll. Surf. A 615 (2021) 126279	BARC
433	Dr. Nandita Maiti		Surface-induced dimerization of 2-thiazoline-2-thiol on silver and gold nanoparticles: A surface enhanced Raman scattering (SERS) and density functional theoretical (DFT) study.			International	2021		HBNI, Mumbai	J. Mol. Liq. 322 (2021) 114536	BARC
434	Dr. Nandita Maiti		Adsorption of L-selenomethionine and L-selenocystine on the surface of silver nanoparticles: A spectroscopic study.			International			HBNI, Mumbai	Nano Select 2 (2021) 47-60	BARC
435	Dr. Nandita Maiti		Measurement of dose enhancement factor for Xofigo electronic brachytherapy device using nanoparticle-embedded alginate film and radiochromic film.			International	2021		HBNI, Mumbai	J. Cancer Res. Ther. (2021) in-print	BARC
436	Dr. Nandita Maiti		Interaction of Seleno-Amino Acids with Silver Nanoparticles: A Surface Enhanced Raman Scattering (SERS) and X-Ray Photoelectron Spectroscopic (XPS) Study	Proceeding for 8th Interdisciplinary Symposium on Materials Chemistry	8 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry	National	2021		HBNI, Mumbai	Society for Materials Chemistry	BARC
437	Dr. Nandita Maiti		Nanosensor for the detection of organophosphorous pesticide, Chlorpyrifos	Proceeding for 8th Interdisciplinary Symposium on Materials Chemistry	8 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry	National	2021		HBNI, Mumbai	Society for Materials Chemistry	BARC
438	Dr. Nandita Maiti		Investigating the role of surface charge on gold nanoparticles mediated heterogenous catalysis	Proceeding for 8th Interdisciplinary Symposium on Materials Chemistry	8 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry	National	2021		HBNI, Mumbai	Society for Materials Chemistry	BARC
439	Dr. Nandita Maiti		Radiolytic and Spectroscopic Analysis of Gallic Acid-Melamine Complex for Silver Nanoparticle Based Rapid Colorimetric Sensing of Melamine in Milk	Proceedings of 14th biennial national Symposium on Radiation & Photochemistry	14 <sup>th</sup> National Symposium on Radiation & Photochemistry	National	2021		HBNI, Mumbai	Indian Society for Radiation & Photochemical Sciences	BARC
440	Dr. Nandita Maiti		Surface Assisted Degradation of Pesticide	Proceedings of 14th biennial national Symposium on Radiation & Photochemistry	14 <sup>th</sup> National Symposium on Radiation & Photochemistry	National	2021		HBNI, Mumbai	Indian Society for Radiation & Photochemical Sciences	BARC
441	Dr Sumit Kumar	Chapter; Title: Rutherford Back Scattering for characterization of materials		Bulletin title: Ion Beam Analysis for Materials Characterization					BARC	Indian Association of Nuclear and Allied Scientists, Mumbai	BARC

442	Dr. K. Tirumalesh	Computers in Earth and Environmental Sciences	A data-driven approach for estimating contaminants in natural water				2021	ISBN 9780323898614	HBNI, BARC	Elsevier	BARC
443	Dr. K. Tirumalesh	Riverine System: Hydrology, Hydrosocial and Hydro-heritage Connectivity	Evaluating the groundwater sources and dynamics along the paleochannel network of northwest India using isotope tracers				2021	ISBN 978-3-030-87067-6	HBNI, BARC	SPRINGER/Capital	BARC
444	Dr. K. Tirumalesh	Non-Power Application of Nuclear Technologies	Societal benefits of isotope techniques in water resources				2021	978-81-954733-2-8	BARC	BARC	BARC
445	Dr. K. Tirumalesh	BARC News Letter	Climate change impact on glacier melting in Himalayas				2021		BARC	BARC	BARC
446	Dr. K. Tirumalesh	BARC News Letter	Application of isotope technology - Rejuvenating drying springs in Himalayas				2021		BARC	BARC	BARC
447	Dr. K. Tirumalesh		Determination of uranium in water samples of Imphal valley, Northeast India and its correlation with physico-chemical parameters	eSESTEC-202	9th DAE-BRNS Biennial Symposium (Webinar)	International	2021		BARC		BARC
448	Dr. K. Tirumalesh		Groundwater Fluoride Contamination around Geothermal Sites in Odisha, India: Evaluation of Probable Sources, Exposure Doses and Remedial Measures	AGU Fall Meeting	American Geophysical Union	International	2021		BARC		BARC
449	Dr. K. Tirumalesh		Geological, geochemical and geophysical studies on the non-volcanic hot springs, Atri and Tarbalo in the Indian shield: potential unconventional renewable energy sources	EGU General Assembly	European Geophysical Union	International	2021		BARC		BARC
450	Dr. Ajish Kumar K. S		Total chemical synthesis of PSMA-11: API for 68Ga-PSMA-11 used for prostate cancer diagnosis				2021		BARC-HBNI	Elsevier	BARC
451	Dr. (Smt.) Vandana Pulhani		A Review of Soil to Rice Transfer of Radionuclides in Tropical Regions of Indian Subcontinent				2021	<a href="https://doi.org/10.1016/j.envrad.2021.106631">https://doi.org/10.1016/j.envrad.2021.106631</a>	EMAD, BARC & HBNI	Elsevier: Journal of Environmental Radioactivity	BARC
452	Dr. (Smt.) Vandana Pulhani		Transfer of Radionuclides from soil to Selected Tropical plants of Indian Subcontinent				2021	<a href="https://doi.org/10.1016/j.envrad.2021.106652">https://doi.org/10.1016/j.envrad.2021.106652</a>	EMAD, BARC & HBNI	Elsevier: Journal of Environmental Radioactivity	BARC
453	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Inducing non-stoichiometry in nano-hydroxyapatite for ultra-fast sequestration of uranyl ions in water: mechanism delineation using XAS				2021	DOI: 10.1039/d0en01246g	EMAD, BARC & HBNI	Royal Society of Chemistry: Environmental Science Nano	BARC
454	Dr. (Smt.) Vandana Pulhani Dr. S K Jha & Dr. A Vinod Kumar		An inventory on the distribution of radium concentrations in seawater and sediment along the Indian coast				2020	DOI:10.1007/s10967-020-07401-4, 2020	EMAD, BARC & HBNI	Springer:Journal of Radioanalytical and Nuclear Chemistry	BARC
455	Dr. (Smt.) Vandana Pulhani		Removal of uranium(VI) from water using hydroxyapatite coated activated carbon powder nanocomposite				2020	DOI:10.1080/10934529.2020.1721228	EMAD, BARC & HBNI	Taylor & Francis: Journal of Environmental Science and Health, Part A	BARC

456	Dr. (Smt.) Vandana Pulhani		RADCOM: Radiation dose computation model- a software for radiological impact assessment				2020		EMAD, BARC & HBNI	Elsevier: Progress in Nuclear Energy	BARC
457	Dr. (Smt.) Vandana Pulhani		Efficient extraction of uranium from environmental samples using phosphoramidate functionalized magnetic nanoparticles: Understanding adsorption and binding mechanisms				2020	doi.org/10.1016/j.jhazmat.2019.121353	EMAD, BARC & HBNI	Elsevier: Journal of hazardous materials	BARC
458	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		A review on distribution coefficient (K <sub>d</sub> ) of some selected radionuclides in soil/sediment over the last three decades			International	2020	doi.org/10.1007/s10967-019-06930-x	EMAD, BARC & HBNI	Springer:Journal of Radioanalytical and Nuclear Chemistry	BARC
459	Dr. (Smt.) Vandana Pulhani		A review on distribution coefficient (K <sub>d</sub> ) of some selected radionuclides in soil/sediment over the last three decades			National	2020	doi.org/10.1007/s10967-019-06930-x	EMAD, BARC & HBNI	Springer:Journal of Radioanalytical and Nuclear Chemistry	BARC
460	Dr. (Smt.) Vandana Pulhani Dr. S K Jha & Dr. A Vinod Kumar		Geochemical partitioning of Barium in marine sediments of Mumbai Harbour Bay	9th Biennial Symposium on Emerging Trends in Separation Science and Technology	eSESTEC-2020	International	2020		EMAD, BARC & HBNI		BARC
461	Dr. (Smt.) Vandana Pulhani		Radiochemical separation of <sup>210</sup> Po from marine samples to evaluate Distribution Coefficient and Concentration Factor in creek ecosystem	10th Biennial Symposium on Emerging Trends in Separation Science and Technology	eSESTEC-2020	International	2020		EMAD, BARC & HBNI		BARC
462	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Standardisation and calibration of elemental analyser isotope ratio mass spectrometry (EA-IRMS) for $\delta^2\text{H}$ , $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ measurement	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
463	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Change in speciation of U(VI) in soil-pore water with time	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
464	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Major and minor elemental analysis in suspended silt in seawater around Mumbai and its correlation with organic matter content and particle size	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
465	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Application of $\delta^{13}\text{C}$ and C/N ratio to characterise Organic matter in Coastal Sediment of Mumbai Harbour Bay	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
466	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Modelling of leaching rate of <sup>238</sup> U during rock-groundwater interactions	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
467	Dr. (Smt.) Vandana Pulhani		Study on the seasonal variation in the activity concentration of anthropogenic radionuclides at Thane creek	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC

468	Dr. (Smt.) Vandana Pulhani		Synthesis and Characterization of Silica Coated Phosphoramidate Functionalized Magnetic Nanoparticles for Uranium Separation from Aqueous Medium	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
469	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Determination of Heavy Metals (Zn, Cr, Fe) in Mangifera indica (Mango) Leaves using Neutron Activation Analysis	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2020	National	2021		EMAD, BARC & HBNI		BARC
470	Dr. (Smt.) Vandana Pulhani & Dr. A Vinod Kumar		Activity ratio of <sup>235</sup> U/ <sup>238</sup> U and <sup>234</sup> U/ <sup>238</sup> U in cultivated soil as a qualitative indicator of depleted/enriched uranium	Radiation Safety in Nuclear and Core Industries, Health Care and Environment	IARPNC-2021	National	2021		EMAD, BARC & HBNI		BARC
471	Dr. (Smt.) Suchismita Mishra		Development of a rapid method to estimate uranium in uranium bearing materials using ionic liquid as extracting agent from basic media	Proceedings of 9th DAE – BRNS Biennial Symposium (Webinar) on Emerging Trends in Separation Science and Technology (e-SESTEC-2020)	9th DAE – BRNS Biennial Symposium (Webinar) on Emerging Trends in Separation Science and Technology (e-SESTEC-2020)	National	2020		Bhabha Atomic Research Centre		BARC
472	Dr. (Smt.) Suchismita Mishra		<sup>210</sup> Po quantification in biological samples for application in Nuclear forensics	Proceedings of 9th DAE – BRNS Biennial Symposium (Webinar) on Emerging Trends in Separation Science and Technology (e-SESTEC-2020)	9th DAE – BRNS Biennial Symposium (Webinar) on Emerging Trends in Separation Science and Technology (e-SESTEC-2020)	National	2020		Bhabha Atomic Research Centre		BARC
473	Dr. Raghunath Chowdhury		Organocatalytic Enantioselective Michael Addition of Pyrazol-5-ones to $\beta$ -Silylmethylene Malonates: Synthesis of Chiral Organosilanes Under Metal-free Conditions			International	2021	Asian J. Org. Chem. 2021, 10, 1 173–1 183 DOI: 10.1002/ajoc.202100120	BARC and HBNI	Wiley-VCH	BARC
474	Dr. Raghunath Chowdhury		Solvent-free synthesis of enantioenriched $\beta$ -silyl nitroalkanes under organocatalytic conditions			International	2021	Beilstein J. Org. Chem. 2021, 17, 2642–2649 doi.org/10.3762/bjoc.17.177	BARC and HBN	Beilstein-Institut	BARC
475	Dr. Tapas Das	Non-Power Applications of Nuclear Technologies	Evolution and Present Day Status of Radiopharmaceuticals Program at DAE			National	2021	978-81-954733-2-8	BARC	BARC Publication	BARC
476	Dr. Tapas Das	Pain Palliation of Bone Metastases: Production, Quality Control and Dosimetry of Radiopharmaceuticals	Bone Pain Palliation Radiopharmaceuticals			International	2021	IAEA Technical Report Series	BARC	International Atomic Energy Agency (IAEA), Vienna	BARC
477	Dr. Tapas Das		Studying the effect of structural modification of porphyrin derivatives on tumor uptake: Is lipophilicity the sole criterion?	Nuclear Medicine and Biology	International Symposium on Radiopharmaceutical Sciences (ISRS-24)	International	2021		BARC	Elsevier	BARC
478	Dr. Tapas Das		[ <sup>177</sup> Lu]Lu-DOTA-A9: A peptide probe targeting HER2 receptors	Nuclear Medicine and Biology	International Symposium on Radiopharmaceutical Sciences (ISRS-24)	International	2021		BARC	Elsevier	BARC



479	Dr. (Smt.) Mrinal R. Pai		Studies on Mo <sub>2</sub> C electrocatalyst for hydrogen evolution reactions	Online conference on catalysis for sustainable development (CATSCHOL-2020)	CATSCHOL-2020	National	44166		BARC, Mumbai, HBNI, Mumbai		BARC
480	Dr. (Smt.) Mrinal R. Pai		Development of Catalysts and Electrocatalysts for Thermochemical Hydrogen Generation by Iodine-Sulfur, Hybrid-Sulfur and Copper-Chlorine cycles	Online conference on catalysis for sustainable development (CATSCHOL-2020)	CATSCHOL-2020	National	44166		BARC, Mumbai, HBNI, Mumbai		BARC
481	Dr. K. C. Barick		Core-shell Fe <sub>3</sub> O <sub>4</sub> @ZnO nanoparticles for magnetic hyperthermia and bio-imaging applications	AIP Advances 11 (2021) 025207	65th Annual Conference on Magnetism and Magnetic Materials	International	2021		HBNI	AIP	BARC
482	Dr. K. C. Barick		Structural, photoluminescence, and photocatalytic properties of Mn and Eu co-doped ZnO nanoparticles	Materials Today: Proceedings 42 (2021) 926-931	Second International Conference on Recent Advances in Materials and Manufacturing 2020	International				Elsevier	BARC
483	Dr. K. C. Barick		Nanoparticle Conjugates of Selenium Compounds: Preparation, Characterisation and Electron Transfer	Chemistry Proceedings 2 (2020) 24	1st International Electronic Conference on Catalysis Sciences	International	2021		HBNI	MDPI	BARC
484	Dr. K. C. Barick		Multifunctional growth of dendritic magnetic nanocarrier for targeted drug delivery	Materials Today: Proceedings 43 (2021) 3286-3290	Cutting-edge Research in Material Science and Chemistry (CRMSC-2021)	International	2021		HBNI	Elsevier	BARC
485	Dr. K. C. Barick		Curcumin encapsulated casein nanoparticles: Enhanced bioavailability and anticancer efficacy KC Barick, A Tripathi, B Dutta, SB Shelar, PA Hassan Journal of Pharmaceutical Sciences 110 (2021) 2114-2120	Journal Publication		International	2021	PMID: 33338492		Elsevier	BARC
486	Dr. K. C. Barick		Chiral salen-Ni (II) based spherical porous silica as platform for asymmetric transfer hydrogenation reaction and synthesis of potent drug intermediate montekulast M Shukla, KC Barick, HG Salunke, S Chandra Molecular Catalysis 502, 111367	Journal Publication						Elsevier	BARC
487	Dr. K. C. Barick		Immobilization of protein on Fe <sub>3</sub> O <sub>4</sub> nanoparticles for magnetic hyperthermia application SL Gawali, SB Shelar, J Gupta, KC Barick, PA Hassan International Journal of Biological Macromolecules 166 (2021) 851-860	Journal Publication		International				Elsevier	BARC

488	Dr. K. C. Barick		Electrostatically bound lanreotide peptide-gold nanoparticle conjugates for enhanced uptake in SSTR2-positive cancer cells SB Shelar, SL Gawali, KC Barick, A Kunwar, A Mohan, IK Priyadarsini, P. A. Hassan Materials Science and Engineering: C 117 (2020) 111272	Journal Publication			2020			ACS	BARC
489	Dr. K. C. Barick		Phenylseleno N-Acetyl $\alpha$ -Amino Acids Conjugated Magnetic Nanoparticles: Synthesis, Characterization and Radical Scavenging Ability KC Barick, B Dutta, SL Gawali, PP Phadnis, KI Priyadarsini, VK Jain, P. A. Hassan, Chemistry Letters 49 (2021) 1426-1430	Journal Publication		International	2021	<a href="https://doi.org/10.1246/cl.200490">https://doi.org/10.1246/cl.200490</a>		The Chemical Society of Japan	BARC
490	Dr. K. C. Barick		Glutamic acid-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles for tumor-targeted imaging and therapeutics B Dutta, A Nema, NG Shetake, J Gupta, KC Barick, MA Lawande, BN Pandey, Indira K Priyadarsini, PA Hassan Materials Science and Engineering: C 112 (2020) 110915	Journal Publication			2020			Elsevier	BARC
491	Dr. K. C. Barick		Altering the X-ray Scattering Contrast of Triton X-100 Micelles and Its Trapping in a Supercooled Solvent SL Gawali, KC Barick, VK Aswal, M Basu, PA Hassan The Journal of Physical Chemistry B 124 (2020) 3418-3427	Journal Publication			2020				BARC
492	Dr. K. C. Barick		Micellar assisted aqueous stabilization of iron oxide nanoparticles for curcumin encapsulation and hyperthermia application B Dutta, YA Rawoot, S Checker, SB Shelar, KC Barick, S Kumar, Rakesh R Somani, PA Hassan, Nano-Structures & Nano-Objects 22 (2020) 100466	Journal Publication			2020				BARC
493	Dr. Anindya Chakravarty		Conceptualization and preliminary studies on the development of a 2 K refrigeration system at BARC	Proceedings of Twenty Seventh National Symposium on Cryogenics and Superconductivity	NSCS-27	National	2019	PRINT ISSN 0379 0479; ONLINE ISSN 2349-2120	BARC, HBNI	Indian Cryogenics Council	BARC
494	Dr. Anindya Chakravarty		Recent Improvements in the Indigenously developed cryogenic systems at CrTD, BARC	Proceedings of Twenty Seventh National Symposium on Cryogenics and Superconductivity	NSCS-27	National	2019	PRINT ISSN 0379 0479; ONLINE ISSN 2349-2120	BARC, HBNI	Indian Cryogenics Council	BARC

495	Dr. Anindya Chakravarty		Turbomachinery selection: Generating the selection charts and extending their use beyond the conventional for cryogenic plants	Proceedings of Twenty Seventh National Symposium on Cryogenics and Superconductivity	NSCS-27	National	2019	PRINT ISSN 0379 0479; ONLINE ISSN 2349-2120	BARC, HBNI	Indian Cryogenics Council	BARC
496	Dr. Anindya Chakravarty		Development of aerostatic bearing system for balancing of ultra-high speed turboexpander rotors used in helium liquefiers/refrigerators	Proceedings of Twenty Seventh National Symposium on Cryogenics and Superconductivity	NSCS-27	National	2019	PRINT ISSN 0379 0479; ONLINE ISSN 2349-2120	BARC, HBNI	Indian Cryogenics Council	BARC
497	Dr. Celin Acharya	Microbial and Natural Macromolecules.	Role of biological macromolecules of microbes in metal bioremediation				2021			Elsevier	BARC
498	Anand Badigannavar	Non-power Applications of Nuclear Technologies" (Eds. Tyagi A.K. and Mohanty A.K.)	Radiation technology for genetic enhancement of crop plants.			National	2021	978-81-954733-2-8	BARC Mumbai	SIRD, BARC, Mumbai	BARC
499	Dr. Amit Kunwar			Paradoxical behavior of organodiselenides: pro-oxidant to antioxidant	1st International Electronic Conference on Catalysis Sciences	International	2020	Chem. Proc. 2020, 2(1), 6; <a href="https://doi.org/10.3390/ECCS2020-07552">https://doi.org/10.3390/ECCS2020-07552</a>	Bhabha Atomic Research Centre & Homi Bhabha National Institute	MDPI	BARC
500	Dr. Amit Kunwar			Design and Synthesis of Diselenide Containing Bio-Catalyzing Polymeric Nanocarriers for Targeted Chemotherapy	1st International Electronic Conference on Catalysis Sciences	International	2020	<a href="https://doi.org/10.3390/ECCS2020-07630">https://doi.org/10.3390/ECCS2020-07630</a>	Bhabha Atomic Research Centre & Homi Bhabha National Institute	MDPI	BARC
501	Dr. B. S. Patro	Autophagy in tumor and tumor microenvironment. Springer Naure, Singapore.	Cross-Talk Between DNA Damage and Autophagy and Its Implication in Cancer Therapy				2020			Springer Naure, Singapore.	BARC
502	Dr Kulwant Singh		Prediction of Coating Composition Using Composite Target Reactive Sputtering and Experimental Verification, K. Singh	Proceed APPC-14	APPC-14	International	2021	978-07-35440630	BARC-HBNI	AIP Conference Proceedings	BARC
503	Dr Kulwant Singh		Development of thin aluminide coatings on Alloy 800 substrate	Applications of Microscopy in Materials and Life Sciences	12th Asia-Pacific Microscopy Conference	Asia-Pacific	2021	978-981-16-2982-2	BARC-HBNI	Springer	BARC
504	Dr. DK CHANDRAKER	Proceedings-Annual Review of Heat Transfer, Vol 22,; Critical Heat flux	NEW PARADIGMS OF CRITICAL HEAT FLUX PHENOMENON", pages 109-124	Proceedings-Annual Review of Heat Transfer, volume 22	---	International	2019	ISSN:1049-0787 ISBN: 978-1-56700-498-4	BARC	Begell House	BARC
505	Dr Sulekha Mukhopadhyay		Heat Recuperation in Integrated Reactor for High Temperature Sulphuric Acid Decomposition In Hydrogen Production Cycles	2nd International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2021)	2nd International Conference on Chemical, Bio & Environmental Engineering	International	2021		Bhabha Atomic Research Centre & Homi Bhabha National Institute		S.Sujeesh (BARC & HBNI), V.Nafees Ahmed (BARC), H.Z.Fani (BARC), A. Shrinivas Rao (BARC), S. Mukhopadhyay (BARC&HBNI)

506	S.Sujeesh		R&D ACTIVITIES ON IODINE-SULPHUR AND HYBRID-SULPHUR PROCESSES FOR HYDROGEN PRODUCTION BY SPLITTING WATER	1st International Conference on Hydrogen Energy – Policies, Infrastructure Development and Challenges	1st International Conference on Hydrogen Energy – Policies, Infrastructure Development and Challenges	International	2021		Bhabha Atomic Research Centre & Homi Bhabha National Institute		S.Sujeesh (BARC & HBNI), A. Shrinivas Rao (BARC), V.Nafees Ahmed (BARC), H.Z.Fani (BARC), A. K. Verma (BARC)
507	Dr Sulekha Mukhopadhyay	Heat Recuperation in Integrated Reactor for High Temperature Sulphuric Acid Decomposition In Hydrogen Production Cycles	2nd International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2021)	2nd International Conference on Chemical, Bio & Environmental Engineering	International		2021	Bhabha Atomic Research Centre & Homi Bhabha National Institute		S.Sujeesh (BARC & HBNI), V.Nafees Ahmed (BARC), H.Z.Fani (BARC), A. Shrinivas Rao (BARC), S. Mukhopadhyay (BARC&HBNI)	BARC
508	S.Sujeesh	R&D ACTIVITIES ON IODINE-SULPHUR AND HYBRID-SULPHUR PROCESSES FOR HYDROGEN PRODUCTION BY SPLITTING WATER	1st International Conference on Hydrogen Energy – Policies, Infrastructure Development and Challenges	1st International Conference on Hydrogen Energy – Policies, Infrastructure Development and Challenges	International		2021	Bhabha Atomic Research Centre & Homi Bhabha National Institute		S.Sujeesh (BARC & HBNI), A. Shrinivas Rao (BARC), V.Nafees Ahmed (BARC), H.Z.Fani (BARC), A. K. Verma (BARC)	
509	Sachin Punatar (co-author)	JCO Global Oncology	Real-World Outcomes With Generic Pomalidomide in Relapsed Refractory Multiple Myeloma-Experience From a Tertiary Care Cancer Center	NA	NA	International journal	2021	2378-9506	Tata Memorial Centre, Homi Bhabha National Institute	American Society of Clinical Oncology	TMC
510	Sachin Punatar (co-author)	Blood Advances	Outcomes and prognostic factors in adolescents and young adults with ALL treated with a modified BFM-90 protocol	NA	NA	International journal	2021	2473-9537	Tata Memorial Centre, Homi Bhabha National Institute	American Society of Hematology	TMC
511	Sachin Punatar (co-author)	Asia Pacific Journal of Clinical Oncology	Evaluation of cytogenetic response in CML patients with variant Philadelphia translocation.	NA	NA	International journal	2021	1743-7555	Tata Memorial Centre, Homi Bhabha National Institute	Wiley-Blackwell Publishing Ltd.	TMC
512	Sachin Punatar (co-author)	Cancer Medicine	COVID-19 in cancer patients on active systemic therapy - Outcomes from LMIC scenario with an emphasis on need for active treatment	NA	NA	International journal	2020	2045-7634	Tata Memorial Centre, Homi Bhabha National Institute	Wiley Publishers	TMC
513	Sachin Punatar (co-author)	International Journal of Hematology	Bortezomib and cyclophosphamide based chemomobilization in multiple myeloma	NA	NA	International journal	2020	0925-5710	Tata Memorial Centre, Homi Bhabha National Institute	Springer Science	TMC
514	Sachin Punatar (co-author)	Cell Transplantation	A Limited Sampling Strategy for Therapeutic Drug Monitoring of Mycophenolate Mofetil for Prophylaxis of Acute Graft-Versus-Host Disease in Allogeneic Stem Cell Transplantation	NA	NA	International journal	2020	0963-6897	Tata Memorial Centre, Homi Bhabha National Institute	SAGE Publications	TMC

515	Sachin Punatar (presenting author)	Blood	Comparison of Outcomes of Donor Lymphocyte Infusions with or without Lenalidomide in Patients with Hematological Malignancies Post Allogeneic Transplant	Blood journal, volume 136, supplement 1	ASH annual conference 2020	International journal	2020	0006-4971	Tata Memorial Centre, Homi Bhabha National Institute	American Society of Hematology	TMC
516	Dr. Ayushi Sahay		Melanotic Schwannoma, a Deceptive Misnomer for a Tumor With Relative Aggressive Behavior: A Series of 7 Cranial and Spinal Cases			International	2020	ISSN: 1066-8969 Online ISSN: 1940-2465	TMC, Mumbai		TMC
517	Dr. Ayushi Sahay		ALK1 Gene Rearranged Pulmonary Sarcomatoid Carcinoma Masquerading as Tuberculosis in a Young Male.			International	2020	PMID: 32149365	TMC, Mumbai		TMC
518	Dr. Ayushi Sahay		Small Cell Carcinoma of Ovary, Hypercalcemic Type (Malignant Rhabdoid Tumor of Ovary) with Loss of SMARCA4 (BRG1) Expression: Report of Two Cases.			International	2020	PMID: 32149361	TMC, Mumbai		TMC
519	Dr. Ayushi Sahay		Primary retroperitoneal GIST: Case report and review of literature.			International	2020	PMID: 32675441	TMC, Mumbai		TMC
520	Dr. Ayushi Sahay		Intrahepatic Cholangiocarcinoma Presenting as a Scalp Mass.			International	2020	PMID: 32152822	TMC, Mumbai		TMC
521	Dr. Ayushi Sahay		Extent of re-excision, sequence/timing of salvage re-irradiation, and disease-free interval impact upon clinical outcomes in recurrent/progressive ependymoma.			International	2020	PMID: 32072441	TMC, Mumbai		TMC
522	Dr. Ayushi Sahay		A rare case of aggressive, Merkel Cell Carcinoma of the male breast co-existing with chronic lymphocytic leukemia.			International	2020	PMID: 32291854	TMC, Mumbai		TMC
523	Dr. Ayushi Sahay		The Rare Phenomenon of Loss of INI1 Expression at Recurrence/Progression of Primary Central Nervous System Tumors: Report of 3 Cases.			International	2020	PMID: 31680589	TMC, Mumbai		TMC
524	Dr. Ayushi Sahay		Clinico-radiological characteristics, histopathological features and long-term survival outcomes in central neurocytoma: A single-institutional audit.			International	2021	PMID: 33358093	TMC, Mumbai		TMC
525	Dr. Ayushi Sahay		Revisiting Histomorphology and Immunohistochemistry With Analysis of Cyclin D1 Overexpression and MYC Amplification.			International	2021	PMID: 32703045	TMC, Mumbai		TMC
526	Neha Mittal	Grossing of Oncological specimens	Larynx and Hypopharynx grossing, Grossing of Cervical excision specimens			International	2021		TMC	Sundaram Publication	TMC

527	Neha Mittal	Thomas A, Mittal N*, Rane SU, Bal M, Patil A, Ankathi SK, Vaish R. Papillary and Medullary Thyroid Carcinomas Presenting as Collision Tumors: A Case Series of 21 Cases at a Tertiary Care Cancer Center. Head Neck Pathol. 2021 Apr 11. doi: 10.1007/s12105-021-01323-7. Epub ahead of print. .				International		PMID: 33840044			TMC
528	Neha Mittal	Patel U, Pandey M, Kannan S, Samant TA, Gera P, Mittal N, Rane S, Patil A, Noronha V, Joshi A, Patil VM, Prabhaskar K, Mahimkar MB. Prognostic and predictive significance of nuclear HIF1 $\alpha$ expression in locally advanced HNSCC patients treated with chemoradiation with or without nimotuzumab. Br J Cancer. 2020 Dec;123(12) 1757-1766. doi:10.1038/s41416-020-01064-4.				International		PMID: 32939054.			TMC
529	Sangeeta Kakoti		Analysis of radiotherapy-induced alteration of CD8+ T cells and PD-L1 expression in patients with uterine cervical squamous cell carcinoma	Oncol Lett. 2021 Jun;21(6):446		International	2021		Tata Memorial Centre		TMC
530	Sangeeta Kakoti		High linear energy transfer carbon-ion irradiation upregulates PD-L1 expression more significantly than X-rays in human osteosarcoma U2OS cells	J Radiat Res. 2021 Sep 13;62(5):773-781		International	2021		Gunma University, Japan		TMC
531	Sangeeta Kakoti		Outcomes of osteosarcoma, chondrosarcoma and chordoma treated with image guided-intensity modulated radiation therapy	Radiotherapy and Oncology 164(4)		International	2021		Tata Memorial Centre, HBNI		TMC
532	Sangeeta Kakoti		Clinical characteristics, laboratory parameters and outcomes of COVID-19 in cancer and non-cancer patients from a tertiary Cancer Centre in India	Cancer Medicine, Nov 16 2021 (online ahead of print)		International	2021		Tata Memorial Centre, HBNI		TMC

533	Sangeeta Kakoti		Expression of non-homologous end joining factor, Ku80, is negatively correlated with PD-L1 expression in cancer cells after X-ray irradiation	Oncol Letters, 2022 Jan;23(1):29		International	2021		Tata Memorial Centre, HBNI		TMC
534	Sumeet Prakash Mirgh (First Author)	Chapter "Acute complications in stem cell transplantation" in book "Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation"	Acute complications in stem cell transplantation	Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation.	Book named "Contemporary Bone Marrow Transplantation, Organ and Tissue Transplantation"	National + International book	2021	9783030363574	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Springer	TMC
535	Sumeet Prakash Mirgh (First Author)	Chapter "Lymphoma" in a book "Clinical Oncology"	Lymphoma	Clinical Oncology	Book named "Clinical Oncology"	National book	2020	9788194558644	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Thieme	TMC
536	Sumeet Prakash Mirgh (Second Author)	Effect of age, comorbidity and remission status on outcome of COVID-19 in patients with hematological malignancies	Effect of age, comorbidity and remission status on outcome of COVID-19 in patients with hematological malignancies	Blood Cells Molecules and Diseases	Blood Cells Molecules and Diseases	International journal	2021	1096-0961	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Elsevier	TMC
537	Sumeet Prakash Mirgh (First Author)	Clinical Course of Severe COVID19 treated with Tocilizumab and Antivirals Post-Allogeneic Stem Cell Transplant with Extensive Chronic GVHD	Clinical Course of Severe COVID19 treated with Tocilizumab and Antivirals Post-Allogeneic Stem Cell Transplant with Extensive Chronic GVHD	Transplant Infectious Diseases	Transplant Infectious Diseases	International journal	2021	13993062, 13982273	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Wiley-Blackwell Publishing Ltd	TMC
538	Sumeet Prakash Mirgh (Co-Author)	Extranodal NK-T Cell Lymphoma, Nasal Type: Retrospective Analysis of Real-World Data	Extranodal NK-T Cell Lymphoma, Nasal Type: Retrospective Analysis of Real-World Data	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
539	Sumeet Prakash Mirgh (Corresponding Author)	Primary Bone Lymphoma: A 13 Year Retrospective Institutional Analysis in the Chemo-Immunotherapy Era	Primary Bone Lymphoma: A 13 Year Retrospective Institutional Analysis in the Chemo-Immunotherapy Era	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
540	Sumeet Prakash Mirgh (Corresponding Author)	An "impossible" harvest-GCSF-induced immune thrombocytopenia in an autologous stem cell transplant recipient with multiple myeloma	An "impossible" harvest-GCSF-induced immune thrombocytopenia in an autologous stem cell transplant recipient with multiple myeloma	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Springer	TMC
541	Sumeet Prakash Mirgh (Second and Corresponding Author)	Study of clinical characteristics, risk factors and outcomes for tuberculosis post allogeneic stem cell transplant: never count it out	Study of clinical characteristics, risk factors and outcomes for tuberculosis post allogeneic stem cell transplant: never count it out	Therapeutic Advances in Infectious Diseases	Therapeutic Advances in Infectious Diseases	International journal	2021	2049937X, 20499361	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	SAGE science	TMC

542	Sumeet Prakash Mirgh (Co-author)	Retrospective institutional analysis of fludarabine/8 Gy TBI reduced intensity conditioning in high risk ALL	Retrospective institutional analysis of fludarabine/8 Gy TBI reduced intensity conditioning in high risk ALL	Bone Marrow Transplantation	Bone Marrow Transplantation	International journal	2020	1476-5365	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Nature	TMC
543	Sumeet Prakash Mirgh (First Author)	Perils of Technology - Laptop Induced Erythema Ab Igne (Toasted Skin Syndrome) on Abdomen	Perils of Technology - Laptop Induced Erythema Ab Igne (Toasted Skin Syndrome) on Abdomen	Indian Journal of Occupational and Environmental Medicine	Indian Journal of Occupational and Environmental Medicine	National journal	2020	0973-2284	Bombay Hospital Institute of Medical Sciences, Mumbai	Medknow	TMC
544	Sumeet Prakash Mirgh (Corresponding Author)	Treading a difficult path – GCSF induced mobilization of stem cells in pregnancy	Treading a difficult path – GCSF induced mobilization of stem cells in pregnancy	Indian Journal of Hematology and Blood Transfusion	Indian Journal of Hematology and Blood Transfusion	National journal	2020	0974-0449	Rajiv Gandhi Cancer Institute and Research Centre, Delhi	Springer	TMC
545	Sumeet Prakash Mirgh (Co-author)	Ibrutinib – A narrative drug review	Ibrutinib – A narrative drug review	Cancer Research, Statistics and Treatment	Cancer Research, Statistics and Treatment	National journal	2020	2590-3225	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Medknow	TMC
546	Sumeet Prakash Mirgh (Corresponding Author)	Management of acute leukemias: New tools validated by old treatments	Management of acute leukemias: New tools validated by old treatments	Cancer Research, Statistics and Treatment	Cancer Research, Statistics and Treatment	National journal	2020	2590-3225	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Medknow	TMC
547	Sumeet Prakash Mirgh (Co-author)	Incidence, Risk Factors, and Outcomes of Viral Reactivations in Alternative Donor Haematopoietic Stem Cell Transplant	Incidence, Risk Factors, and Outcomes of Viral Reactivations in Alternative Donor Haematopoietic Stem Cell Transplant	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
548	Sumeet Prakash Mirgh (Co-author)	Comparison of outcomes of donor lymphocyte infusion with or without Lenalidomide in patients with Hematological malignancies post allogeneic stem cell transplant	Comparison of outcomes of donor lymphocyte infusion with or without Lenalidomide in patients with Hematological malignancies post allogeneic stem cell transplant	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
549	Sumeet Prakash Mirgh (Co-author)	Real World Experience of Etanercept in Steroid Refractory Acute Graft Versus Host Disease from a Tertiary Cancer Centre in India	Real World Experience of Etanercept in Steroid Refractory Acute Graft Versus Host Disease from a Tertiary Cancer Centre in India	American Society of Hematology 2020	American Society of Hematology 2020	International conference	2020	0006-4971	Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	American Society Of Hematology	TMC
550	Sumeet Prakash Mirgh (Co-author)	Efficacy of Artesunate in treatment of CMV post Allogeneic HSCT	Efficacy of Artesunate in treatment of CMV post Allogeneic HSCT	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC
551	Sumeet Prakash Mirgh (Co-author)	Fludarabine-Melphalan vs Fludarabine Treosulfan as reduced intensity conditioning regimens in HSCT	Fludarabine-Melphalan vs Fludarabine Treosulfan as reduced intensity conditioning regimens in HSCT	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC
552	Sumeet Prakash Mirgh (Co-author)	Case series of SARS-CoV2 in stem cell transplant recipients	Case series of SARS-CoV2 in stem cell transplant recipients	Asia Pacific Bone Marrow Transplant 2020	Asia Pacific Bone Marrow Transplant 2020	International conference	2020		Tata Memorial Centre, ACTREC and Homi Bhabha National Institute	Asia Pacific Bone Marrow Transplant	TMC



553	Dr Akanksha Chichra	Am J Blood Res	Human leukocyte antigen (HLA) alleles as predictive factors for benefit from lenalidomide in acute myeloid leukemia (AML).	NA	NA	International journal	2021	ISSN -2160-1992	Tata memorial centre	e century publishing corporation	TMC
554	Dr Akanksha Chichra	Am J Blood Res	Long term outcome of a patient with relapsed refractory early thymic precursor acute lymphoblastic leukemia treated with daratumumab.	NA	NA	International journal	2021	ISSN -2160-1992	Tata memorial centre	e century publishing corporation	TMC
555	Dr Akanksha Chichra	Cancer Med	Clinical characteristics, laboratory parameters and outcomes of COVID-19 in cancer and non-cancer patients from a tertiary Cancer Centre in India.	NA	NA	International journal	2021	ISSN-2045-7634	Tata memorial centre	Wiley Publishing	TMC
556	Dr Akanksha Chichra	Indian J Hematol Blood Transfus	SARS-CoV2 infection in Hematopoietic Stem Cell Transplant recipients: A Case Series from a Tertiary Cancer Centre in India.	NA	NA	National Journal	2021	ISSN-0971-4502	Tata memorial centre	Springer nature	TMC
557	Dr Akanksha Chichra	Int J Hematol	Bortezomib and cyclophosphamide based chemomobilization in multiple myeloma.	NA	NA	International journal	2020	ISSN-0925-5710	Tata memorial centre	Wiley Publishing	TMC
558	Dr Akanksha Chichra	Bone Marrow Transplant	Pre-transplant use of tyrosine kinase inhibitors and transplant associated thrombotic microangiopathy - a single centre analysis of incidence, risk factors and outcomes	NA	NA	International journal	2020	ISSN-0268-3369	Tata memorial centre	Nature research	TMC
559	Dr Akanksha Chichra	Transpl Infect Dis	Clinical course of severe COVID19 treated with tocilizumab and antivirals post-allogeneic stem cell transplant with extensive chronic GVHD	NA	NA	International journal	2020	ISSN-1398-2273	Tata memorial centre	Wiley Publishing	TMC
560	Dr. Nishant Jindal	BMJ case reports	Unusual cause of mediastinal widening	NA	NA	International journal	43983	1757-790X	PGIMER, Chandigarh	BMJ	TMC
561	Dr. Nishant Jindal	JCO global oncology	Chronic Lymphocytic Leukemia: Real-World Data From India	NA	NA	International journal	43983	2687-8941	PGIMER, Chandigarh	Wolters Kluwer Health	TMC
562	Dr. Nishant Jindal	Haematology/oncology and stem cell therapy	Carfilzomib-induced thrombotic microangiopathy: A case based review	NA	NA	International journal	44013	1658-3876	PGIMER, Chandigarh	Elsevier Ltd	TMC
563	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	How to Use a Prioritised Approach for Treating Hematological Disorders During the COVID-19 Pandemic in India?	NA	NA	National journal	43983	0974-0449	PGIMER, Chandigarh	Springer	TMC
564	Dr. Nishant Jindal	British journal of haematology	Dose-adjusted EPOCH-R: a feasible alternative for Burkitt lymphoma in resource-constrained settings	NA	NA	International journal	44075	1365-2141	PGIMER, Chandigarh	Wiley Blackwell	TMC
565	Dr. Nishant Jindal	European journal of haematology	Quality of life in patients of chronic lymphocytic leukemia using the EORTC QLQ-C30 and QLQ-CLL17 questionnaire	NA	NA	International journal	44166	1600-0609	PGIMER, Chandigarh	Wiley Blackwell	TMC

566	Dr. Nishant Jindal	Leukemia and lymphoma	Modified CLL International Prognostic Index (CLL-LIPI) using lymphocyte doubling time (LDT) in place of IgHV mutation status in resource-limited settings predicts time to first treatment and overall survival	NA	NA	International journal	43983	1029-2403	PGIMER, Chandigarh	Taylor and Francis	TMC
567	Dr. Nishant Jindal	Indian journal of medical research	Use of convalescent plasma for COVID-19 in India: A review & practical guidelines	NA	NA	National journal	44228	0975-9174	PGIMER, Chandigarh	Wolters Kluwer Health	TMC
568	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	Does Development of Plasmacytosis have a Role in Spontaneous Remission of Acute Myeloid Leukemia?	NA	NA	National journal	44197	0974-0449	PGIMER, Chandigarh	Springer	TMC
569	Dr. Nishant Jindal	Indian journal of haematology and blood transfusion	Efficacy, safety, and quality of life of generic and innovator ibrutinib in Indian CLL patients	NA	NA	National journal	44287	0974-0449	PGIMER, Chandigarh	Springer	TMC
570	Dr. Nishant Jindal	Leukemia and lymphoma	Randomized controlled trial of individualized, low dose, fixed duration lenalidomide maintenance versus observation after frontline chemotherapy in CLL	NA	NA	International journal	44378	1029-2403	PGIMER, Chandigarh	Taylor and Francis	TMC
571	Dr Bharat Rekhi	Angiomatoid fibrous histiocytoma in WHO 2020 5th edition of soft tissue and bone tumors. IARC Press	Clinicopathological features of four cases of BCOR-CCNB3 positive sarcomas	Oral Paper session. Molecular Pathology. OFP16-0003	European Congress of Pathology, Gthernburg (Virtual)	International	2021	Virchows Arch 2021 479. Suppl 1: S38	Tata Memorial Hospital, HBNI University	IARC, Springer	TMC
572	Dr Bharat Rekhi	Superficial CD34 positive fibroblastic tumor in WHO 2020 5th edition of soft tissue and bone tumors. IARC Press	Detection of MDM2 gene amplification by tissue microarray -based FISH in well-differentiated and dedifferentiated liposarcomas, displaying a wide morphological spectrum: a validation study	Oral Paper session. Molecular Pathology. OFP-24-0001	European Congress of Pathology, Gthernburg (Virtual)	International	2021	Virchows Arch 2021 479. Suppl 1: S53	Tata Memorial Hospital, HBNI University	IARC, Springer	TMC
573	Dr Bharat Rekhi	Angiomatoid fibrous histiocytoma in upcoming WHO fascicle on Pediatric Tumors. IARC Press	Cytomorphologic features of Liposarcomas: An experience at a tertiary cancer referral center, India.	Oral Paper session	European Congress of Cytology (Virtual), Wroclow, Poland	International				IARC	TMC
574	Dr. Sunil B. Rajadhyaksha	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC
575	Dr. Priti D Desai	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC

576	Dr. Anisha A. Navkudkar	-	Correlation of platelet crossmatch results by Solid Phase Red Cell Adherence Assay (SPRCA) with post-transfusion platelet count increment in adult hemato-oncology patients of a tertiary care oncology centre in India.	-	-	International	2020	doi: 10.1016/j.transci.2020.102842	Homi Bhabha national institute	Elsevier	TMC
577	Dr. Sunil B. Rajadhyaksha	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures	-	-	International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
578	Dr. Priti D Desai	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures	-	-	International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
579	Dr. Anisha A. Navkudkar	-	Effect of citrate on ionized calcium levels during plateletpheresis procedures	-	-	International	2020	DOI: 10.1111/voxs.12573	Homi Bhabha national institute	Wiley Online Library	TMC
580	Dr. Sunil B. Rajadhyaksha	-	Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia	-	-	National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC
581	Dr. Priti D Desai	-	Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia	-	-	National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC
582	Dr. Anisha A. Navkudkar	-	Unexpected high platelet counts in a potential platelet donor: A clue to essential thrombocythemia	-	-	National	2020	doi: 10.4103/ajts	Homi Bhabha national institute	Medknow	TMC
583	Dr. Sunil B. Rajadhyaksha	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
584	Dr. Priti D Desai	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
585	Dr. Anisha A. Navkudkar	-	Post-donation telephonic interview: A tool for active follow-up of voluntary whole blood donors for analysis of frequency and predisposing factors of adverse reactions.	-	-	National	2021	doi: 10.25259	Homi Bhabha national institute	Scientific Scholar	TMC
586	Dr.Kunal B.Gala	Nuclear Medicine Communications	Prognostic value of lung shunt fraction in hepatocellular carcinoma and unresectable liver dominant metastatic colorectal cancer undergoing transarterial radioembolisation	-	-	International	2021	PMID: 34887368	Tata Memorial Hospital		TMC
587	Dr.Kunal B.Gala	JCIR	Percutaneous CT Guided Vertebral Biopsy: Anatomy and Technical Considerations	-	-		2021	<a href="https://doi.org/10.1055/s-0041-1729778">https://doi.org/10.1055/s-0041-1729778</a>	Tata Memorial Hospital		TMC
588	Dr.Kunal B.Gala	IJRI	Magnetic Resonance Imaging of Uterine Cervix: A Pictorial Essay	-	-	National	2021	PMID: 34556931	Tata Memorial Hospital		TMC

589	Dr.Kunal B.Gala	IJA	Ultrasound-guided assessment of gastric residual volume in patients receiving three types of clear fluids: A randomised blinded study			National	2021	PMID: 34103742	Tata Memorial Hospital		TMC
590	Dr.Kunal B.Gala	JVIR	Percutaneous Radiofrequency Ablation of Appendicular Skeleton Chondroblastoma—an Experience from a Tertiary Care Cancer Center				2021	PMID: 33612370	Tata Memorial Hospital		TMC
591	Dr.Kunal B.Gala	Nuclear Medicine Communications	Prognostic value of imaging-based parameters in patients with intermediate-stage hepatocellular carcinoma undergoing transarterial radioembolization			International	2021	PMID: 33306631	Tata Memorial Hospital		TMC
592	Dr.Kunal B.Gala	IJRI	Are radiological diagnostic centres ready to tackle COVID-19 pandemic? An Indian perspective			National	2021	PMID: 33814757	Tata Memorial Hospital		TMC
593	Dr.Kunal B.Gala	IJRI	Interventional radiology preparedness during coronavirus disease (COVID-19) pandemic			National	2021	PMID: 33814758	Tata Memorial Hospital		TMC
594	Dr.Kunal B.Gala	JCIR	Role of transarterial embolization in the management of hepatic artery pseudoaneurysm postlaparoscopic cholecystectomy			International	2020	DOI: 10.1055/s-0040-1721533	Tata Memorial Hospital		TMC
595	Dr.Kunal B.Gala	JCIR	A Validation Study of Liver Volumetry Estimation by a Semiautomated Software in Patients Undergoing Hepatic Resections			International	2020	DOI: 10.1055/s-0040-1721534	Tata Memorial Hospital		TMC
596	Dr.Kunal B.Gala	JOA	Continuous erector spinae plane block in pediatric patients with intraspinal tumors—Case reports			National	2020	PMID: 33840942	Tata Memorial Hospital		TMC
597	Dr.Kunal B.Gala	IJRI	Microwave ablation: How we do it?			National	2020	PMID: 33100690	Tata Memorial Hospital		TMC
598	Dr.Kunal B.Gala	IJO	Phosphaturic mesenchymal tumors from head to toe: imaging findings and role of the radiologist in diagnosing tumor-induced osteomalacia			International	2020	PMID: 32257040	Tata Memorial Hospital		TMC
599	Dr. Nitin Shetty	Radiology Beyond Imaging Intertwining Imaging with Advanced Technology	conversational Agents for Patient Assistance		Evidence Based Management of cancers in India, Vol. XVIII Part E (2021)	National	2021	978-93-82963-58-5	Tata Memorial Hospital	Tata Memorial Centre, Mumbai	TMC
600	Sudivya Sharma	Randomized controlled trial comparing the efficacy of pectoral nerve block with general anaesthesia alone in patients undergoing unilateral mastectomy		Presented at ISACON Bangalore 2019		National	2021		Tata Memorial Hospital Homi Bhabha National Institute	Indian journal of surgical oncology	TMC

601	Sudivya Sharma	Objective anaesthesia review Book chapters 5th edition				National	2020	9390020484			TMC
602	Dr Sujata lall	Infectious Diseases in Critical Care	Infection control practices in ICU			National	2021	9789354662133	ACTREC	CBS	TMC
603	Aparna Chakrabarti		Two-dimensional monolayers of arsenides and silicides of Mo and W: A first principles study	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
604	Aparna Chakrabarti		Ab-initio study of thermoelectric properties of Co <sub>2</sub> XGa (X = Mn, Mo, Pt)	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
605	Aparna Chakrabarti		Unusual Magnetic and Electronic Properties of Al-substituted Ga <sub>2</sub> MnNi: An ab-initio Study		EESTER-2020	International	2020		RRCAT		RRCAT
606	Aparna Chakrabarti		Probing the Martensite Transition and Thermoelectric Properties of Co <sub>x</sub> Ta <sub>2</sub> (Z=Si,Ge,Sn; x=1,2): a Study based on Density Functional Theory		Internal workshop on Computational Physics and Materials Science: Total Energy and Force Methods	International	2021		RRCAT		RRCAT
607	S. Banik		Partial density of 3d electrons in CrSi probed by resonant photoemission	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
608	S. Banik		Angle resolved photoemission spectroscopy study on electronic band structure of topological insulator Bi <sub>2</sub> Se <sub>3</sub> in the presence of magnetic impurities	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
609	Haranath Ghosh		As-L-edge absorption spectra of Ca RE FeAs <sub>1-x</sub> x <sub>2</sub> superconducting materials: a DFT study	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
610	M. H. Modi		Analysis of polarization characteristics of soft x-ray beam at INDUS-1 reflectivity beamline	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
611	S. Banik		Observation of surface Dirac state in transition metal Dichalcogenide NiTe using ARPES	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
612	S. Satapathy		Structural and magnetic studies of Er doped SmFeO <sub>3</sub>	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
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614	Modi M.H.		Soft X-ray photon energy calibration using multilayer mirror	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT
615	Gupta P.		Structural and magnetic properties of CoO/Co thin films deposited onto self-assembled polystyrene nanospheres (600nm)	AIP Proceedings	DAE-SSPS-2019	National	2020		RRCAT		RRCAT

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677	Prakash O., Dixit S.K.		Studies on the thermal behaviour of different resonant modes of a long period grating	Proceedings of 29th DAE-BRNS National Laser Symposium	NLS-29	National	2021	<a href="https://ila.org.in/images/nls29/nls29_ebook.pdf">https://ila.org.in/images/nls29/nls29_ebook.pdf</a>	RRCAT		RRCAT
678	Moorti A., Chakera J.A.,		Laser-plasma accelerated proton beam focussing optics using high voltage pulsed power solenoid	Proceedings of 29th DAE-BRNS National Laser Symposium	NLS-29	National	2021	<a href="https://ila.org.in/images/nls29/nls29_ebook.pdf">https://ila.org.in/images/nls29/nls29_ebook.pdf</a>	RRCAT		RRCAT
679	Dixit S.K.		Studies on the high beam quality green and yellow radiation of a 40 W copper bromide laser	Proceedings of 29th DAE-BRNS National Laser Symposium	NLS-29	National	2021	<a href="https://ila.org.in/images/nls29/nls29_ebook.pdf">https://ila.org.in/images/nls29/nls29_ebook.pdf</a>	RRCAT		RRCAT
680	Bindra K.S.		Detection of refractive index inhomogeneity in large size Neodymium (Nd)-doped phosphate glass slabs using a small size laser beam	Proceedings of 29th DAE-BRNS National Laser Symposium	NLS-29	National	2021	<a href="https://ila.org.in/images/nls29/nls29_ebook.pdf">https://ila.org.in/images/nls29/nls29_ebook.pdf</a>	RRCAT		RRCAT
681	Pal S., Mukherjee C., Dixit V.K., Sharma T.K.		Design and development of monocrystalline AlGaAs/GaAs DBR mirrors with reflectivity exceeding 99% at 1064, 1100 and 1550 nm photonic band	Proceedings of 29th DAE-BRNS National Laser Symposium	NLS-29	National	2021	<a href="https://ila.org.in/images/nls29/nls29_ebook.pdf">https://ila.org.in/images/nls29/nls29_ebook.pdf</a>	RRCAT		RRCAT