

Kandasami Asokan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2688307/publications.pdf>

Version: 2024-02-01

609
papers

9,305
citations

71004

43
h-index

145109

60
g-index

621
all docs

621
docs citations

621
times ranked

10276
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations on the effect of swift heavy silicon ion irradiation on hydroxyapatite. Materials Today: Proceedings, 2022, 58, 802-811.	0.9	3
2	Tuning the optical properties of porous silicon-based microcavities by energetic oxygen ion beams for optoelectronic applications. Materials Letters, 2022, 306, 130914.	1.3	4
3	Effect of 150ÅkeV Ti+ ion implantation on the structural, optical, and electrical properties of nonstoichiometric WO _{2.72} thin films. Materials Research Bulletin, 2022, 145, 111566.	2.7	3
4	Study of Superconducting Fluctuations in YBCO+xBZO Composites. Journal of Low Temperature Physics, 2022, 206, 120-130.	0.6	2
5	Origin of magnetism in low energy Ni ion implanted ZnO thin films. Materials Letters, 2022, 307, 130983.	1.3	6
6	Low-energy Ar+ ion beam induced endotaxial plasmonic Ag nanoparticles in PEDOT:PSS thin-films. Materials Letters, 2022, 307, 130984.	1.3	0
7	Favourable tuning of optical absorbance, bandgap and surface roughness of ZnO thin films by C ion implantation at the critical angle. Applied Surface Science Advances, 2022, 7, 100189.	2.9	12
8	Unravelling impacts of C ion implantations at polar angles in the physical properties of ZnO nanostructured thin films. Materials Letters, 2022, 308, 131200.	1.3	1
9	Effect of swift heavy silicon ion irradiation on TiO ₂ thin film prepared by micro arc oxidized technique. Materials Today: Proceedings, 2022, , .	0.9	3
10	Modification of structural, topographical and magnetic properties induced by Ag ion irradiations in pure and divalent metal (Zn ²⁺ and Co ²⁺)-doped iron oxide thin films. Journal of Materials Science: Materials in Electronics, 2022, 33, 5661-5677.	1.1	1
11	Insights into recombination channels in a CVT grown ZnSe single crystal. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	1
12	Ion Beam Induced Defects and Their Effects in Oxide Materials. SpringerBriefs in Physics, 2022, , .	0.2	1
13	A Study on the Characteristics of Mg ₂ Si Films Prepared by Electron Beam Evaporation Technique. Journal of Electronic Materials, 2022, 51, 3226-3236.	1.0	1
14	120 MeV Ag ⁺ ion induced modifications in the structural, electrical and optical properties of La-doped SrSnO ₃ . Journal of Materials Science: Materials in Electronics, 2022, 33, 5661-5677.	0.6	0
15	Study of sub-band states formation in the optical band gap of CuGaS ₂ thin films by electronic excitations. Journal of Physics and Chemistry of Solids, 2022, 164, 110636.	1.9	7
16	Surface engineering of poly(methyl methacrylate)+reduced graphene oxide composite films by Au ⁷⁺ ion irradiation for biomedical application. Radiation Physics and Chemistry, 2022, 195, 110051.	1.4	1
17	Enhancement of photoelectric properties of Cu ₂ ZnSnS ₄ thin films by electronic excitations induced by swift heavy ions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 280, 115683.	1.7	5
18	Enhancement of the Thermoelectric Properties and Transition of Conduction Mechanism from Nearest Neighbor to Variable Range Hopping of Ni-Doped CoSb ₃ . Journal of Electronic Materials, 2022, 51, 3350-3358.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Electronic excitation-induced tunneling and charge-trapping explored by in situ electrical characterization in Ni/HfO ₂ /In ₂ -Ga ₂ O ₃ metal-oxide semiconductor capacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 281, 115716.	1.7	6
20	Investigations on interface charge conduction mechanisms for chemically grown manganite "Manganite structure: Hysteretic current Voltage characteristics. , 2022, 168, 207324.		3
21	Role of partial amorphous and disordered stannous ions incorporated hydroxyapatite nanosphere for enhanced electrochemical energy storage application. Journal of Alloys and Compounds, 2021, 851, 156710.	2.8	3
22	Defects induced resistive switching behavior in Ca doped YMnO ₃ -based non-volatile memory devices through electronic excitations. Materials Science in Semiconductor Processing, 2021, 121, 105347.	1.9	17
23	Cavity resonance tunability of porous silicon microcavities by Ar ⁺ ion irradiation. Applied Surface Science, 2021, 535, 147696.	3.1	9
24	Enhanced Spin Hall Effect in S-Implanted Pt. Advanced Quantum Technologies, 2021, 4, .	1.8	15
25	Defects assisted structural and electrical properties of Ar ion irradiated TiO ₂ /SrTiO ₃ bilayer. Materials Letters, 2021, 282, 128880.	1.3	3
26	Origin of intense blue-green emission in SrTiO ₃ thin films with implanted nitrogen ions: An investigation by synchrotron-based experimental techniques. Physical Review B, 2021, 103, .	1.1	8
27	Thermoelectric properties of GaN with carrier concentration modulation: an experimental and theoretical investigation. Physical Chemistry Chemical Physics, 2021, 23, 1601-1609.	1.3	13
28	Influence of dilute doping of Co on structural and magnetic properties of ZnO. AIP Conference Proceedings, 2021, , .	0.3	0
29	Low-temperature ferromagnetism in perovskite SrIrO ₃ films. Physical Review B, 2021, 103, .	1.1	10
30	Significant role of substrate temperature on the morphology, electronic structure and thermoelectric properties of SrTiO ₃ films deposited by pulsed laser deposition. Surface and Coatings Technology, 2021, 407, 126740.	2.2	6
31	Wide range temperature-dependent (80-630K) study of Hall effect and the Seebeck coefficient of In ₂ -Ga ₂ O ₃ single crystals. Applied Physics Letters, 2021, 118, .	1.5	9
32	Laser Transmission Welding of Semi-Crystalline Polymers and Their Composites: A Critical Review. Polymers, 2021, 13, 675.	2.0	24
33	Study on excess conductivity in YBCO+Ag composites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	5
34	Optical excitations and ferromagnetic ordering in Sm doped WO ₃ at dilute concentrations. Materials Today Communications, 2021, 26, 101721.	0.9	3
35	Thermal effects on resistive switching in manganite-silicon thin film device. Bulletin of Materials Science, 2021, 44, 1.	0.8	1
36	Realization of highly conducting n-type diamond by phosphorus ion implantation. Applied Physics Letters, 2021, 118, .	1.5	10

#	ARTICLE	IF	CITATIONS
37	High mobility transparent and conducting oxide films of La-doped SrSnO ₃ . Journal of Materials Science: Materials in Electronics, 2021, 32, 11835-11844.	1.1	4
38	Probing reversal of orbital symmetry in CaCu _{3-x} Ti _{4-x} Fe ₂ O ₁₂ (x = 0.0-0.7) by X-ray absorption spectroscopy. Journal of Materials Science: Materials in Electronics, 2021, 32, 13630-13638.	1.1	1
39	Bandgap engineering in SrTiO ₃ thin films by electronic excitations: A synchrotron-based spectroscopic study. Scripta Materialia, 2021, 195, 113725.	2.6	3
40	Highly dose dependent damping-like spin-orbit torque efficiency in O-implanted Pt. Applied Physics Letters, 2021, 118, .	1.5	13
41	Sequential tunability of red and white light emissions in Sm-activated ZnO phosphors by up- and downconversion mechanisms. Journal of Applied Physics, 2021, 129, .	1.1	4
42	Role of Interfacial Defects in Photoelectrochemical Properties of BiVO ₄ Coated on ZnO Nanodendrites: X-ray Spectroscopic and Microscopic Investigation. ACS Applied Materials & Interfaces, 2021, 13, 41524-41536.	4.0	2
43	Current-voltage characteristics of manganite based p-n interfaces: Role of swift heavy ion irradiation and defect annihilation. Physica B: Condensed Matter, 2021, 614, 413013.	1.3	5
44	Characterizing the defects and ferromagnetism in metal oxides: The case of magnesium oxide. Materials Characterization, 2021, 179, 111366.	1.9	9
45	Correlation between reduced dielectric loss and charge migration kinetics in NdFeO ₃ -modified Ba _{0.7} Sr _{0.3} TiO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 24910.	1.1	2
46	Role of ion irradiation induced defects in thermoelectric transport properties of Bi ₂ Te ₃ thin films. Thin Solid Films, 2021, 734, 138830.	0.8	3
47	Role of Bound Magnetic Polaron Model in Sm Doped ZnO: Evidence from Magnetic and Electronic Structures. Applied Surface Science Advances, 2021, 5, 100100.	2.9	20
48	Phase transformation in Fe ₂ O ₃ nanoparticles: Electrical properties with local electronic structure. Physica B: Condensed Matter, 2021, 620, 413275.	1.3	10
49	Structural and electrical transport properties of Ge implanted CoSb ₃ thin films and their conduction mechanisms. Journal of Materials Science: Materials in Electronics, 2021, 32, 27801.	1.1	1
50	Understanding the role of structural distortions on the transport properties of Ar ion irradiated SrTiO ₃ thin films: X-ray absorption investigation. Journal of Applied Physics, 2021, 130, .	1.1	1
51	Enhancement of thermoelectric performance of n-type In ₂ (Te _{0.94} Se _{0.06}) ₃ thin films by electronic excitations. Applied Surface Science, 2020, 505, 144115.	3.1	0
52	Study on the field-cooling induced magnetic interactions in Gd-doped NiO nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 493, 165713.	1.0	16
53	Large remanent magnetization in Bi doped CaMn ₇ O ₁₂ compounds: Magnetic and X-ray absorption spectroscopic studies. Journal of Magnetism and Magnetic Materials, 2020, 498, 166086.	1.0	0
54	Properties optimization of temperature dependence of nanophosphor KCl:Sm ³⁺ for radiation dosimetry. Journal of Alloys and Compounds, 2020, 823, 153740.	2.8	1

#	ARTICLE	IF	CITATIONS
55	Structural, dielectric and magnetic domains properties of Mn-doped BiFeO ₃ materials. International Journal of Applied Ceramic Technology, 2020, 17, 1410-1421.	1.1	7
56	Effect of gamma irradiation on structure and photoconductivity of amorphous Sb ₃₀ Se ₇₀ chalcogenide films. Journal of Non-Crystalline Solids, 2020, 530, 119807.	1.5	1
57	Structural, dielectric and magnetic domains properties of lead-free Ba(Ti _{1-x} Mn _x) ₂ FeTiO ₉ thin films. Journal of Applied Physics, 2020, 128, 143104.	2.7	18
58	Effect of evaporation behavior of zinc tin phosphide alloys on the composition, structure, and photoconductive properties of their thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 063404.	0.9	2
59	Gamma irradiation induced dielectric modulation and dynamic memory in nematic liquid crystal materials. Journal of Molecular Liquids, 2020, 320, 114374.	2.3	7
60	Structural, optical and electrical transport properties of Sn doped In ₂ O ₃ . Solid State Sciences, 2020, 109, 106436.	1.5	22
61	Structural, functional and magnetic ordering modifications in graphene oxide and graphite by 100 MeV gold ion irradiation. Vacuum, 2020, 182, 109700.	1.6	27
62	Swift heavy ion irradiation-induced modifications in the electrical and surface properties of In ₂ -Ga ₂ O ₃ . Applied Physics Letters, 2020, 117, .	1.5	27
63	Excitation induced enhancement of spectral response and energy transfer mechanisms in Fe/Sm modified ZnO phosphors. Journal of Applied Physics, 2020, 128, 143104.	1.1	4
64	Influence of phase transformation on structure-property relationship in quaternary In ₁₀ Sb ₁₀ Ag ₁₀ Se ₇₀ chalcogenide films. Journal of Materials Science: Materials in Electronics, 2020, 31, 16398-16405.	1.1	5
65	Exploring the role of defects on diverse properties of Cr-substituted ZnS nanostructures for photocatalytic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	26
66	Effect of dilute co-doping of Ni and Cr on physical properties of TiO ₂ nanoparticles. Vacuum, 2020, 181, 109658.	1.6	5
67	Structural and Optical Study of Oxygen Irradiated Rare Earth Doped Nickel Ferrite. Journal of Physics: Conference Series, 2020, 1504, 012016.	0.3	3
68	Ba doping induced modifications in the structural, morphological and dielectric properties of double perovskite La ₂ NiMnO ₆ ceramics. Journal of Solid State Chemistry, 2020, 290, 121597.	1.4	24
69	Effect of 200 MeV Ag ¹⁵⁺ ion irradiation on structural, microstructural and dielectric properties of Y _{0.95} Sr _{0.05} MnO ₃ manganite films. Solid State Communications, 2020, 318, 113975.	0.9	10
70	Enhanced mechanical and biocompatible properties of strontium ions doped mesoporous bioactive glass. Composites Part B: Engineering, 2020, 196, 108099.	5.9	59
71	Anti-biofilm efficiency of 120 MeV Fe ⁹⁺ SHI-irradiated polyimide film. Radiation Effects and Defects in Solids, 2020, 175, 682-694.	0.4	3
72	Structural and optical band gap modification of Zn ₂ SnO ₄ thin films after irradiation with swift heavy ions for transparent electrode applications. Nuclear Instruments & Methods in Physics Research B, 2020, 472, 14-18.	0.6	2

#	ARTICLE	IF	CITATIONS
73	Enhanced microporous structure of gamma irradiated agarose-gelatin-HAp flexible films for IR window and microelectronic applications. <i>Materials Today Communications</i> , 2020, 24, 101215.	0.9	4
74	Non-Enzymatic Detection of Glucose Using a Capacitive Nanobiosensor Based on PVA Capped CuO Synthesized via Co-Precipitation Route. <i>IEEE Sensors Journal</i> , 2020, 20, 10415-10423.	2.4	12
75	Structural and electrical properties of Mg Silicide thin films deposited by RF sputtering. <i>Materials Today: Proceedings</i> , 2020, 30, 6-10.	0.9	4
76	Medium Energy Carbon and Nitrogen Ion Beam Induced Modifications in Charge Transport, Structural and Optical Properties of Ni/Pd/n-GaN Schottky Barrier Diodes. <i>Materials</i> , 2020, 13, 1299.	1.3	1
77	Valence state and co-ordination of implanted ions in MgO. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
78	Effect of sintering temperature on the structural and optical properties of cerium oxide nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
79	Effect of thermal annealing on thermoelectric properties of $\text{Bi}_2\text{Sb}_2\text{Te}_3$ thin films grown by sputtering. <i>Journal of Applied Physics</i> , 2020, 127, 245108.	1.1	6
80	Magnetic and transport properties of the pyrochlore iridates $\text{A}_2\text{B}_2\text{O}_7$. <i>Physical Review B</i> , 2020, 101, .	1.1	16
81	A study on defect annealing in GaAs nanostructures by ion beam irradiation. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	1
82	Investigations on morphology and thermoelectric transport properties of Cu^+ ion implanted bismuth telluride thin film. <i>Thin Solid Films</i> , 2020, 697, 137834.	0.8	6
83	Bandgap tunability endowed by isovalent sulphur doping in SeTe glassy films: Correlation with Kastner's models and single oscillator models. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155441.	2.8	10
84	Unary doping effect of A^{2+} ($\text{A} = \text{Zn, Co, Ni}$) on the structural, electrical and magnetic properties of substituted iron oxide nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8268-8282.	1.1	8
85	Tailoring the properties of spray deposited V_2O_5 thin films using swift heavy ion beam irradiation. <i>Nuclear Engineering and Technology</i> , 2020, 52, 2585-2593.	1.1	11
86	Electrical transport properties of Indium chalcogenide thin films and their thermoelectric applications. <i>Materials Today: Proceedings</i> , 2020, 48, 115-115.	0.9	0
87	Mapping the local structure of fullerene C_{60} and $\text{Cu}@\text{C}_{60}$ nanocomposite thin films by gamma rays irradiation. <i>Materials Chemistry and Physics</i> , 2020, 252, 123192.	2.0	7
88	Structural, magnetic and dielectric properties in $3d^4 5d$ based $\text{Sr}_2\text{Fe}_2\text{O}_6$ thin films. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 505001.	0.7	3
89	Effect of oxygen vacancy gradient on ion-irradiated Ca-doped YMnO_3 thin films. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	0.6	9
90	Synchrotron-based VUV excitation-induced ultrahigh quality cool white light luminescence from Sm-doped ZnO. <i>Optics Letters</i> , 2020, 45, 3349.	1.7	5

#	ARTICLE	IF	CITATIONS
91	60Co gamma radiation promoted oxidation in zinc nitride thin films. AIP Conference Proceedings, 2020, , .	0.3	0
92	Investigation of the spectral characteristics of silicon-vacancy centers in ultrananocrystalline diamond nanostructures and single crystalline diamond. Journal of Applied Physics, 2020, 127, 035302.	1.1	0
93	Study of 100 MeV O ⁷⁺ ion beam irradiation effects on spray deposited 5 wt% Li ⁺ doped MoO ₃ thin film. AIP Conference Proceedings, 2020, , .	0.3	1
94	Amorphization of SiO ₂ Thin Films by Using 200 MeV Ag ¹⁵⁺ Ions. Silicon, 2019, 11, 1017-1021.	1.8	2
95	Non-suitability of high-energy (MeV) irradiation for property enhancement of structurally stable poly (ethylene oxide) polyvinylidene fluoride blend bromide composite electrolyte membrane. Ionics, 2019, 25, 2159-2170.	1.2	9
96	Structural, electrical and optical properties of gamma irradiated methyl para-hydroxy benzoate single crystals. Radiation Effects and Defects in Solids, 2019, 174, 765-776.	0.4	1
97	Structural, optical and electronic properties of low energy N ion implanted InGaN/GaN heterostructures. Journal Physics D: Applied Physics, 2019, 52, 435303.	1.3	0
98	Nitrogen-Implanted ZnO Nanorod Arrays for Visible Light Photocatalytic Degradation of a Pharmaceutical Drug Acetaminophen. ACS Omega, 2019, 4, 11973-11979.	1.6	51
99	Magnetic and electronic structures of Ag ion irradiated CeO ₂ thin films. AIP Conference Proceedings, 2019, , .	0.3	1
100	Dielectric and magnetic properties of rare-earth-doped cobalt ferrites and their first-order reversal curve analysis. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	29
101	Effect of thermal annealing on structural, electrical and thermoelectric properties of p-type Bi _{0.5} Sb _{1.5} Te ₃ . AIP Conference Proceedings, 2019, , .	0.3	3
102	Investigations on the Electronic Excitations through Spectroscopic Measures for Resistive Switching Character of Manganite Thin Films. Physica Status Solidi (B): Basic Research, 2019, 256, 1900264.	0.7	7
103	200 MeV Ag ¹⁵⁺ swift heavy ion beam induced property modifications in Nb ₂ O ₅ thin films by fluence variation. Journal of Physics and Chemistry of Solids, 2019, 135, 109089.	1.9	8
104	Influence of defect structure on colour tunability and magneto optical behaviour of WO ₃ nanoforms. RSC Advances, 2019, 9, 20536-20548.	1.7	27
105	Correlation among lattice strain, defect formation and luminescence properties of transition metal doped ZnO nano-crystals prepared via low temperature technique. Materials Research Express, 2019, 6, 115920.	0.8	18
106	Thermionic emission driven resistive switching behaviour in Ca and Sr doped YMnO ₃ thin film devices. Solid State Communications, 2019, 303-304, 113737.	0.9	1
107	Tuning the Electrical and Thermoelectric Properties of N Ion Implanted SrTiO ₃ Thin Films and Their Conduction Mechanisms. Scientific Reports, 2019, 9, 14486.	1.6	30
108	Apparatus for Seebeck coefficient measurement of wire, thin film, and bulk materials in the wide temperature range (80–650 K). Review of Scientific Instruments, 2019, 90, .	0.6	14

#	ARTICLE	IF	CITATIONS
109	Extraction of Switching Parameters for Sr ²⁺ Doped YMnO ₃ Thin Film. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900780.	0.8	5
110	Swift heavy ions-induced degradation on the electrical characteristics of silicon NPN power transistors. Radiation Effects and Defects in Solids, 2019, 174, 859-872.	0.4	3
111	Effect of swift heavy ion irradiation on structural, electrical and optical properties of zinc-stannate thin films. AIP Conference Proceedings, 2019, , .	0.3	2
112	Nicotinamide adenine dinucleotide immobilized tungsten trioxide nanoparticles for simultaneous sensing of norepinephrine, melatonin and nicotine. Biosensors and Bioelectronics, 2019, 143, 111598.	5.3	15
113	Nanoparticles of CaSO ₄ :Dy as a sensitive TL material for 100 ⁺ MeV O ₇ ⁺ swift heavy ions. AIP Conference Proceedings, 2019, , .	0.3	1
114	N ⁺ ion beam irradiation as a strategy to enhance the electrical conductivity of polycrystalline diamond thin films. Materials Letters, 2019, 241, 172-175.	1.3	2
115	Structural and morphological modifications of AgInSe ₂ and Ag ₂ Se composite thin films on 140 ⁺ MeV Ni ion irradiation. Applied Surface Science, 2019, 479, 997-1005.	3.1	22
116	Investigations on magnetic and electrical properties of Zn doped Fe ₂ O ₃ nanoparticles and their correlation with local electronic structures. Journal of Magnetism and Magnetic Materials, 2019, 489, 165398.	1.0	36
117	Resistive switching effect and charge conduction mechanisms in Y _{0.95} Sr _{0.05} MnO ₃ manganites: Dynamic role of defects. Thin Solid Films, 2019, 685, 151-160.	0.8	15
118	Enhancement in Photocatalytic Activity of SrTiO ₃ by Tailoring Particle Size and Defects. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900294.	0.8	17
119	200 ⁺ MeV Ag ¹⁵⁺ ion beam irradiation induced modifications in spray deposited MoO ₃ thin films by fluence variation. Nuclear Engineering and Technology, 2019, 51, 1983-1990.	1.1	11
120	Temperature-dependent AC conductivity and dielectric and impedance properties of ternary In ²⁺ Te ⁴⁺ Se nanocomposite thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	28
121	Influence of barrier inhomogeneities on transport properties of Pt/MoS ₂ Schottky barrier junction. Journal of Alloys and Compounds, 2019, 797, 582-588.	2.8	15
122	Effect of molar concentration on structural, magnetic domain and optical properties of BiFeO ₃ thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	7
123	Enhanced water oxidation catalytic performance of graphene oxide by gamma ray irradiation post-treatment. Materials Letters, 2019, 241, 31-34.	1.3	4
124	Enhancement in thermoelectric properties due to Ag nanoparticles incorporated in Bi ₂ Te ₃ matrix. Beilstein Journal of Nanotechnology, 2019, 10, 634-643.	1.5	7
125	High energy swift heavy ion irradiation and annealing effects on DC electrical characteristics of 200 ⁺ GHz SiGe HBTs. Nuclear Engineering and Technology, 2019, 51, 1428-1435.	1.1	9
126	Comparative study on low energy ion beam modification of thermoplastic polymers. Radiation Effects and Defects in Solids, 2019, 174, 406-418.	0.4	3

#	ARTICLE	IF	CITATIONS
127	Investigation of structural and electrical properties of pristine and 200ÅMeV Ag ¹⁵⁺ ion irradiated 3Åwt% Li ⁺ doped WO ₃ thin films. Indian Journal of Physics, 2019, 93, 1559-1565.	0.9	1
128	Strain effect on orbital and magnetic structures of Mn ions in epitaxial Nd _{0.35} Sr _{0.65} MnO ₃ /SrTiO ₃ films using X-ray diffraction and absorption. Scientific Reports, 2019, 9, 5160.	1.6	2
129	Charge transport studies on chemically grown manganite based heterostructures. Current Applied Physics, 2019, 19, 563-569.	1.1	18
130	Role of low energy transition metal ions in interface formation in ZnO thin films and their effect on magnetic properties for spintronic applications. Applied Surface Science, 2019, 479, 1021-1028.	3.1	29
131	Defect dynamics in the resistive switching characteristics of Y _{0.95} Sr _{0.05} MnO ₃ films induced by electronic excitations. Journal of Alloys and Compounds, 2019, 788, 819-830.	2.8	28
132	Structural transition behavior in Indium chalcogenide thin films. Materials Today: Proceedings, 2019, 18, 1592-1601.	0.9	1
133	The effect of orbital-lattice coupling on the electrical resistivity of YBaCuFeO ₅ investigated by X-ray absorption. Scientific Reports, 2019, 9, 18586.	1.6	1
134	Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb ₃ thin films. RSC Advances, 2019, 9, 36113-36122.	1.7	17
135	Charge transport in chemically grown manganite based heterostructure. Materials Chemistry and Physics, 2019, 224, 229-237.	2.0	19
136	Effect of 200ÅMeV Ag ¹⁵⁺ ion beam irradiation at different fluences on WO ₃ thin films. Nuclear Instruments & Methods in Physics Research B, 2019, 439, 51-58.	0.6	10
137	Gamma irradiated poly (methyl methacrylate)-reduced graphene oxide composite thin films for multifunctional applications. Composites Part B: Engineering, 2019, 163, 752-760.	5.9	20
138	Tuning the electrical properties of graphene oxide by nitrogen ion implantation: Implication for gas sensing. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 257-261.	0.6	9
139	The effects of thermal annealing on the structural and electrical properties of zinc tin oxide thin films for transparent conducting electrode applications. Physica B: Condensed Matter, 2019, 558, 5-9.	1.3	10
140	Enhancement of superconducting parameters of MgB ₂ by low energy carbon ion implantation. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 42-47.	0.6	2
141	Studies on transport properties of manganite based nano-micro particles-matrix composites. Journal of Alloys and Compounds, 2019, 775, 1016-1027.	2.8	15
142	Ion-Implantation-Induced Disorder in FePt-C Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	3
143	Electrical behavior and structure-property correlations in La _{1-x} Pr _x MnO ₃ (0 ≤ x ≤ 1) ceramics. Ceramics International, 2019, 45, 1098-1109.	2.3	23
144	Swift heavy ion induced effects on structural, optical and photo-catalytic properties of Ag irradiated vertically aligned ZnO nanorod arrays. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 95-99.	0.6	13

#	ARTICLE	IF	CITATIONS
145	Annealing of deep level defects in GaAs nanostructures by ion beam irradiation. <i>Materials Letters</i> , 2018, 217, 231-234.	1.3	1
146	Electronic structure of Cr doped Fe ₃ O ₄ thin films by X-ray absorption near-edge structure spectroscopy. <i>Solid State Communications</i> , 2018, 272, 48-52.	0.9	8
147	Effect on the properties of ITO thin films in Gamma environment. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
148	Observation of Kondo behavior in the single crystals of Mn-doped Bi ₂ Se ₃ topological insulator. <i>AIP Advances</i> , 2018, 8, .	0.6	13
149	Transport Properties of Calcium Doped YMnO ₃ Thin Film. <i>Materials Today: Proceedings</i> , 2018, 5, 9804-9810.	0.9	5
150	Fabrication and Characterization of Manganite Based p-n Junction. <i>Materials Today: Proceedings</i> , 2018, 5, 9927-9934.	0.9	5
151	Mechanistic insights into the interaction between energetic oxygen ions and nanosized ZnFe ₂ O ₄ : XAS-XMCD investigations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12084-12096.	1.3	24
152	Investigation of ionic conduction in PEO-PVDF based blend polymer electrolytes. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	61
153	Structural, Optical and Electrical Properties of ITO Thin Films. <i>Journal of Electronic Materials</i> , 2018, 47, 1344-1352.	1.0	51
154	Effect of dilute concentrations of Sm on the temperature-dependent electrical and dielectric properties of ZnO. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4023-4037.	1.9	6
155	Structural, optical and photoelectrical properties of thermally annealed amorphous In ₁₅ Sb ₁₅ Se ₇₀ chalcogenide films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	9
156	Modification of Structural and Magnetic Properties of Masked Co-Pt Films Induced by High-Energy Ion Implantation. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	0.6	7
157	Magneto-dielectric studies on multiferroic composites of Pr doped CoFe ₂ O ₄ and Yb doped PbZrTiO ₃ . <i>Journal of Alloys and Compounds</i> , 2018, 744, 453-462.	2.8	25
158	High spin state driven magnetism and thermoelectricity in Mn doped topological insulator Bi ₂ Se ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 1-5.	1.0	14
159	Preparation and characterization of indium chalcogenide thin films: A material for phase change memory. <i>Applied Surface Science</i> , 2018, 449, 55-67.	3.1	15
160	Controlling room temperature ferromagnetism and band gap in ZnO nanostructured thin films by varying angle of implantation. <i>RSC Advances</i> , 2018, 8, 6278-6287.	1.7	23
161	Effects of gamma-ray irradiation on the optical properties of amorphous Se _{100-x} Hg _x thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 117, 122-130.	1.9	9
162	Broadband strip-line ferromagnetic resonance spectroscopy of soft magnetic CoFeTaZr patterned thin films. <i>AIP Advances</i> , 2018, 8, .	0.6	9

#	ARTICLE	IF	CITATIONS
163	Ion-beam-induced ferromagnetism in Ca-doped LaMnO_3 thin films grown on Si (100). Radiation Effects and Defects in Solids, 2018, 173, 184-197.	0.4	3
164	Formation of graphitic and diamond-like carbon by low energy carbon ion implantation on c plane sapphire substrate. Thin Solid Films, 2018, 649, 12-16.	0.8	6
165	Low energy nitrogen ion beam implanted tungsten trioxide thin films modified indium tin oxide electrode based acetylcholine sensor. Journal of the Taiwan Institute of Chemical Engineers, 2018, 84, 11-18.	2.7	16
166	Enhanced electrical conductivity in Xe ion irradiated CNT based transparent conducting electrode on PET substrate. Materials Research Express, 2018, 5, 025037.	0.8	9
167	Enhanced magnetic behaviour and cell proliferation of gamma irradiated dual metal ions co-doped hydroxyapatite $\text{â€}^{\text{â€}}$ poly(methyl methacrylate) composite films. Reactive and Functional Polymers, 2018, 123, 34-43.	2.0	12
168	Formation of defect, oxygen vacancy creation, and shifting of phonon mode by Li^3+ swift heavy ion irradiation on $\text{Zn}_{1-\text{x}}\text{Mn}_\text{x}\text{O}$ thin films. Journal of Solid State Electrochemistry, 2018, 22, 1237-1248.	1.2	5
169	Structural, dielectric and ferroelectric properties of rare earth substituted lead zirconate titanate. Journal of Materials Science: Materials in Electronics, 2018, 29, 4226-4237.	1.1	15
170	Effect of Swift Heavy Ion Irradiation on Dielectric Properties of Manganite Based Thin Films. Materials Today: Proceedings, 2018, 5, 9916-9921.	0.9	7
171	Magnetic and electronic structures of Co ion implanted CeO_2 thin films. Applied Surface Science, 2018, 452, 217-222.	3.1	25
172	Electronic excitation induced defect dynamics in HfO_2 based MOS devices investigated by <i>in-situ</i> electrical measurements. Applied Physics Letters, 2018, 112, .	1.5	25
173	Temperature-dependent OSL properties of nano-phosphors $\text{LiAlO}_2:\text{C}$ and $\text{Al}_2\text{O}_3:\text{C}$. Applied Surface Science, 2018, 444, 819-828.	3.1	9
174	Structural, optical and electrical properties of $\text{In}_2(\text{Te}_{1-\text{x}}\text{Se}_\text{x})_3$ thin films. Vacuum, 2018, 147, 107-114.	1.6	3
175	Comparative study of 150 keV Ar^+ and O^+ ion implantation induced structural modification on electrical conductivity in Bakelite polymer. Journal of Physics and Chemistry of Solids, 2018, 113, 74-81.	1.9	7
176	Structural, electrical and magnetic properties of multiferroic $\text{BiFeO}_3\text{â€}^{\text{â€}}$ SrTiO_3 composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 2110-2119.	1.1	22
177	Enhancement of magnetostrictive properties of Galfenol thin films. Journal of Magnetism and Magnetic Materials, 2018, 451, 300-304.	1.0	14
178	Interface and transport properties of gamma irradiated Au/n-GaP Schottky diode. Materials Science in Semiconductor Processing, 2018, 74, 1-6.	1.9	13
179	Influence of 100 keV Ar^+ implantation on electrical and optical properties of $\text{TiO}_2/\text{Ag}/\text{TiO}_2$ multilayer films. Materials Science in Semiconductor Processing, 2018, 75, 18-25.	1.9	7
180	In-situ transport and microstructural evolution in GaN Schottky diodes and epilayers exposed to swift heavy ion irradiation. Journal of Applied Physics, 2018, 123, 161539.	1.1	14

#	ARTICLE	IF	CITATIONS
181	Combined effect of oxygen annealing and La-doping in broadening the phase transition of Ba(Zr _{0.2} Ti _{0.8})O ₃ ceramics. Journal of Alloys and Compounds, 2018, 737, 561-567.	2.8	13
182	Raman spectroscopic study of He ion implanted 4H and 6H-SiC. Materials Letters, 2018, 213, 208-210.	1.3	9
183	Modification in the properties of SnO ₂ and TiO ₂ nanocomposite thin films by low energy ion irradiation. Integrated Ferroelectrics, 2018, 193, 88-99.	0.3	4
184	Effect of Gamma Irradiation on Electrical Properties of CdTe/CdS Solar Cells. Materials Today: Proceedings, 2018, 5, 22570-22575.	0.9	6
185	Structural and thermoelectric properties of Se doped In ₂ Te ₃ thin films. AIP Advances, 2018, 8, 115015.	0.6	4
186	Tuning of the Thermoelectric Properties of Bi ₂ Te ₃ Nanorods Using Helium Ion Irradiation. ACS Omega, 2018, 3, 18411-18419.	1.6	17
187	Electronic structure of Ln ₂ O ₂ Te (Ln=La, Sm and Gd) by X-ray absorption spectroscopy. Vacuum, 2018, 158, 39-41.	1.6	2
188	Synthesis of OSL nanophosphor Li ₃ B ₇ O ₁₂ :Mn and its dosimetric properties. Journal of Radiological Protection, 2018, 38, 1311-1320.	0.6	1
189	Structure and Transport Properties of Nickel-Implanted CoSb ₃ Skutterudite Thin Films Synthesized via Pulsed Laser Deposition. ACS Applied Energy Materials, 2018, 1, 5879-5886.	2.5	8
190	Structural, electrical and magnetic properties of multiferroic NdFeO ₃ –SrTiO ₃ composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 18573-18580.	1.1	11
191	Tailoring the structural and magnetic properties of masked CoPt thin films using ion implantation. AIP Advances, 2018, 8, .	0.6	7
192	Origin of magnetic properties in carbon implanted ZnO nanowires. Scientific Reports, 2018, 8, 7758.	1.6	40
193	Thermal annealing and transient electronic excitations induced interfacial and magnetic effects on Pt/Co/Pt trilayer. Nuclear Instruments & Methods in Physics Research B, 2018, 420, 50-56.	0.6	2
194	Evolution of Visible Photocatalytic Properties of Cu-Doped CeO ₂ Nanoparticles: Role of Cu ²⁺ -Mediated Oxygen Vacancies and the Mixed-Valence States of Ce Ions. ACS Sustainable Chemistry and Engineering, 2018, 6, 8536-8546.	3.2	55
195	Annealing effect on the structural and dielectric properties of hematite nanoparticles. AIP Conference Proceedings, 2018, .	0.3	11
196	Morphological investigations on the growth of defect-rich Bi ₂ Te ₃ nanorods and their thermoelectric properties. CrystEngComm, 2018, 20, 4810-4822.	1.3	11
197	Electronic excitation induced modifications in the ferroelectric polarization of BiFeO ₃ thin films. Vacuum, 2018, 155, 572-577.	1.6	5
198	Study of fractal dimension and power spectral density analysis of superconductor/ferromagnetic bilayer. Nuclear Instruments & Methods in Physics Research B, 2018, 433, 51-59.	0.6	7

#	ARTICLE	IF	CITATIONS
199	Enhancement of third-order nonlinear optical properties of HMTA stabilized pure and doped ZnS nanoparticles and their electronic structures. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018, 27, 1850016.	1.1	8
200	Zener diode behavior of nitrogen-doped graphene quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 104, 36-41.	1.3	4
201	An insight to origin of ferromagnetism in ZnO and N implanted ZnO thin films: Experimental and DFT approach. <i>Journal of Alloys and Compounds</i> , 2018, 768, 323-328.	2.8	21
202	Design optimisation of C ion implantation of Al_2O_3 for medical dosimetry. <i>Materials and Design</i> , 2018, 153, 317-326.	3.3	6
203	N doped ZnO and ZnO nanorods based p-n homojunction fabricated by ion implantation. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	1
204	Effect of gamma irradiation on AlInGaN/AlN/GaN heterostructures grown by MOCVD. <i>Superlattices and Microstructures</i> , 2018, 120, 40-47.	1.4	6
205	Influence of deposition rate on the structural, optical and electrical properties of electron beam evaporated SnO_2 thin films for transparent conducting electrode applications. <i>Journal of Semiconductors</i> , 2018, 39, 083002.	2.0	6
206	NTO/Ag/NTO multilayer transparent conducting electrodes for photovoltaic applications tuned by low energy ion implantation. <i>Solar Energy</i> , 2018, 173, 651-664.	2.9	13
207	Modelling of Pinningâ€œDepinning Reversal Mechanism in Ionâ€œIrradiated $\text{Co/Al}_2\text{O}_3$ Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800141.	0.8	1
208	Dimethylglyoxime modified swift heavy oxygen ions irradiated polyaniline/single walled carbon nanotubes composite electrode for detection of cobalt ions. <i>Materials Research Express</i> , 2018, 5, 065048.	0.8	4
209	Self-Stabilized Carbon- FePt Nanoparticles for Heated Dot Recording Media. <i>IEEE Magnetism Letters</i> , 2018, 9, 1-5.	0.6	85
210	Reinforcement of polyaniline and poly-(o-toluidine) with SWNTs and tuning of their physicochemical properties by heavy ion beams. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	5
211	Spectroscopic investigations upon 100MeV oxygen ions irradiation on polyaniline and poly-o-toluidine. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	1
212	Identification of swift heavy ion induced defects in Pt/n-GaN Schottky diodes by in-situ deep level transient spectroscopy. <i>Semiconductor Science and Technology</i> , 2018, 33, 085008.	1.0	11
213	Electrical relaxation and conduction mechanisms in iron doped barium strontium titanate. <i>Ceramics International</i> , 2018, 44, 3751-3759.	2.3	27
214	Electronic structure of magnetic Fe/MgO/Fe/Co multilayer structure by NEXAFS spectroscopy. <i>Vacuum</i> , 2017, 138, 48-54.	1.6	12
215	Charge transport mechanisms in solâ€œgel grown $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3/\text{LaAlO}_3$ manganite films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5163-5176.	1.3	39
216	Tuning ferromagnetism by varying ion beam profiles. <i>Materials Research Express</i> , 2017, 4, 025901.	0.8	2

#	ARTICLE	IF	CITATIONS
217	Shallow acceptor state in ZnO realized by ion irradiation and annealing route. Journal of Alloys and Compounds, 2017, 703, 26-33.	2.8	19
218	Electronic excitation induced structural and optical modifications in InGaN/GaN quantum well structures grown by MOCVD. Nuclear Instruments & Methods in Physics Research B, 2017, 394, 81-88.	0.6	9
219	Phase evolution and magnetic properties of DC sputtered Fe-Ga (Galfenol) thin films with growth temperatures. Journal of Alloys and Compounds, 2017, 704, 420-424.	2.8	12
220	Studies on improved hole injection into N,N,N'-Bis(3-methylphenyl)-N,N'-diphenylbenzidine hole transport layer in the device by thermal annealing of indium tin oxide anode. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	10
221	Investigations on structural and magnetic properties of Mn doped Er ₂ O ₃ . Solid State Sciences, 2017, 67, 8-12.	1.5	7
222	Enhancement of ferromagnetism in C ion implanted CeO ₂ thin films. Materials Research Express, 2017, 4, 036403.	0.8	10
223	HRTEM morphological features on grain boundary diffusion and particulate necking, photoluminescence and thermoluminescence investigations of nano Ce ³⁺ :LuAG. Materials Characterization, 2017, 127, 77-87.	1.9	4
224	Room temperature tunability of Mo-doped VO ₂ nanofilms across semiconductor to metal phase transition. Thin Solid Films, 2017, 625, 155-162.	0.8	38
225	Gamma (⁶⁰ Co) irradiated multi-walled carbon nanotubes (MWCNTs) for hydrogen storage. Applied Surface Science, 2017, 418, 49-55.	3.1	41
226	Facile synthesis of KCl:Sm ³⁺ nanophosphor as a new OSL dosimetric material achieved through charge transfer between the defect states. RSC Advances, 2017, 7, 13836-13845.	1.7	34
227	Improvement of opto-electro-structural properties of nanocrystalline CdS thin films induced by Au ⁹⁺ ion irradiation. Thin Solid Films, 2017, 626, 117-125.	0.8	11
228	Transport properties of Y _{0.95} Ca _{0.05} MnO ₃ /Si thin film junction. Physica B: Condensed Matter, 2017, 518, 33-38.	1.3	27
229	Structural, optical and magnetic properties of N ion implanted CeO ₂ thin films. RSC Advances, 2017, 7, 9160-9168.	1.7	41
230	Effect of gamma irradiation on resistive switching of Al/TiO ₂ /n + Si ReRAM. Nuclear Instruments & Methods in Physics Research B, 2017, 403, 38-44.	0.6	21
231	Fabrication of highly efficient TiO ₂ /Ag/TiO ₂ multilayer transparent conducting electrode with N ion implantation for optoelectronic applications. Ceramics International, 2017, 43, 9759-9768.	2.3	18
232	Robust water repellent ZnO nanorod array by Swift Heavy Ion Irradiation: Effect of Electronic Excitation Induced Local Chemical State Modification. Scientific Reports, 2017, 7, 3251.	1.6	23
233	Electronic excitation-induced structural, optical, and magnetic properties of Ni-doped HoFeO ₃ thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	1
234	Effect of composition on steady state and transient photoconductivity in isocoordinated In _x Sb _{30-x} Se ₇₀ (0 ≤ x ≤ 25) chalcogenide films. Journal of Materials Science: Materials in Electronics, 2017, 28, 14202-14208.		

#	ARTICLE	IF	CITATIONS
235	Study of 120 MeV Ni ⁷⁺ ion beam irradiated SnO ₂ /Ag/SnO ₂ multilayer thin films. AIP Conference Proceedings, 2017, , .	0.3	0
236	Enhanced supercapacitance behaviour of low energy ion beam reduced graphene oxide. Materials Research Express, 2017, 4, 065018.	0.8	7
237	High-performance radiation stable ZnO/Ag/ZnO multilayer transparent conductive electrode. Solar Energy Materials and Solar Cells, 2017, 169, 122-131.	3.0	86
238	Enhancement of thermoelectric power of PbTe thin films by Ag ion implantation. Journal of Applied Physics, 2017, 121, .	1.1	23
239	Structural, microstructural and dielectric behavior of sol-gel grown nanostructured Y _{0.95} Zr _{0.05} MnO ₃ . Materials Chemistry and Physics, 2017, 198, 200-208.	2.0	30
240	Swift heavy nickel ion irradiated ethylene diamine tetra acetic acid-assisted tungsten trioxide thin film for the electrocatalytic detection of guanine. Sensors and Actuators B: Chemical, 2017, 247, 814-822.	4.0	11
241	Modifications in room temperature ferromagnetism by dense electronic excitations in Zn _{0.9} Mg _{0.1} O thin films. Journal of Alloys and Compounds, 2017, 710, 831-835.	2.8	7
242	Voltammetric determination of epinephrine and xanthine based on sodium dodecyl sulphate assisted tungsten trioxide nanoparticles. Electrochimica Acta, 2017, 237, 44-53.	2.6	32
243	Transport properties of Gallium Phosphide based Schottky contact with thin insulating layer. Materials Science in Semiconductor Processing, 2017, 61, 145-149.	1.9	4
244	Magnetic Behaviour of Granular GdMnO ₃ Film. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1419-1425.	0.8	2
245	The role of electronic energy loss in SHI irradiated Ni/oxide/n-GaP Schottky diode. Microelectronics Reliability, 2017, 69, 40-46.	0.9	6
246	Current-voltage characteristics and electroresistance in LaMnO ₃ /La _{0.7} Ca _{0.3} MnO ₃ /LaAlO ₃ thin film composites. Physical Chemistry Chemical Physics, 2017, 19, 29294-29304.	1.3	34
247	Influence of High Dose Gamma Irradiation on Electrical Characteristics of Si Photo Detectors. ECS Journal of Solid State Science and Technology, 2017, 6, Q132-Q135.	0.9	5
248	Ag implantation-induced modification of Ni-Ti shape memory alloy thin films. Radiation Effects and Defects in Solids, 2017, 172, 629-642.	0.4	5
249	Evolution of nanostructured single-phase CoSb ₃ thin films by low-energy ion beam induced mixing and their thermoelectric performance. Physical Chemistry Chemical Physics, 2017, 19, 24886-24895.	1.3	10
250	Structural, optical and weak magnetic properties of Co and Mn codoped TiO ₂ nanoparticles. Solid State Sciences, 2017, 73, 19-26.	1.5	32
251	Structural and optical properties of low energy nitrogen ion implanted SrTiO ₃ thin films. AIP Conference Proceedings, 2017, , .	0.3	2
252	Evaluation of thermoluminescence of 200 keV carbon ion irradiated CaSO ₄ :Dy nanophosphors for medical dosimetry. Journal of Luminescence, 2017, 192, 695-700.	1.5	7

#	ARTICLE	IF	CITATIONS
253	Analysis of electrical conduction phenomena in highly photosensitive amorphous In _x Sb _{20-x} Ag ₁₀ Se ₇₀ (0 ≤ x ≤ 20) chalcogenide films. <i>Journal of Non-Crystalline Solids</i> , 2017, 472, 70-74.	1.5	3
254	Comparison of charge transport studies of chemical solution and pulsed laser deposited manganite-based thin film devices. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	8
255	Tuning of structural and optical properties by sintering of multiferroic GdMnO ₃ precursor. <i>Ferroelectrics</i> , 2017, 519, 200-208.	0.3	11
256	Enhancement of thermopower in GaN by ion irradiation and possible mechanisms. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	6
257	Evolution of relaxor properties in lanthanum (La) doped barium zirconate titanate. <i>Ferroelectrics</i> , 2017, 517, 8-13.	0.3	13
258	Impedance analysis and dielectric response of anatase TiO ₂ nanoparticles codoped with Mn and Co ions. <i>Materials Research Express</i> , 2017, 4, 115035.	0.8	6
259	Investigations of structural and transport properties of Ca doped yttrium manganites. <i>Ferroelectrics</i> , 2017, 516, 74-81.	0.3	4
260	Enhancement of thermoelectrical performance in Au-ion implanted V ₂ O ₅ thin films. <i>RSC Advances</i> , 2017, 7, 50648-50656.	1.7	11
261	Anti-biofilm efficacy of 100 MeV gold ion irradiated polycarbonate against <i>Salmonella typhi</i> . <i>Radiation Physics and Chemistry</i> , 2017, 141, 149-154.	1.4	10
262	Structural, morphological, thermal and dosimetric properties of CaF ₂ :Dy nanophosphor for 100 keV Cu ⁺ ion irradiation. <i>AIP Conference Proceedings</i> , 2017, .	0.3	3
263	A Differential Temperature-Dependent Dielectric Relaxation Study of Organoclay Cloisite TM. <i>International Journal of Thermophysics</i> , 2017, 38, 1.	1.0	0
264	Effect of Au ⁸⁺ irradiation on Ni/n-GaP Schottky diode: Its influence on interface state density and relaxation time. <i>Physica B: Condensed Matter</i> , 2017, 504, 133-138.	1.3	5
265	Enhancement of the critical current density in YBCO/Ag composites. <i>Chinese Journal of Physics</i> , 2017, 55, 170-175.	2.0	17
266	Influence of Oxygen ions irradiation on Polyaniline/Single Walled Carbon Nanotubes nanocomposite. <i>Radiation Physics and Chemistry</i> , 2017, 130, 47-51.	1.4	18
267	Highly sensitive and selective serotonin sensor based on gamma ray irradiated tungsten trioxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 667-675.	4.0	64
268	Effect of gamma irradiation on structural, electrical and gas sensing properties of tungsten oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 693, 366-372.	2.8	42
269	Annealing Temperature Dependent Structural and Optical Properties of RF Sputtered ZnO Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 300-305.	0.9	4
270	Temperature controlled junction behavior of polyaniline/ZnO heterostructures. <i>AIP Conference Proceedings</i> , 2016, .	0.3	0

#	ARTICLE	IF	CITATIONS
271	Opto-electronic and morphological alteration in SnO ₂ /Au/SnO ₂ thin film as a result of 120 MeV Ni ¹⁰⁺ irradiation for TCE application. , 2016, , .		0
272	Temperature-dependent ϵ'' and $\tan \delta$ characteristics of chemically-grown Y _{0.95} Ca _{0.05} MnO ₃ /Si thin films. Materials Research Express, 2016, 3, 036402.	0.8	31
273	In Situ Electrical Characteristics of 150 MeV Ag ⁹⁺ Ion Beam Induced Damage in Si Photo Detector. ECS Journal of Solid State Science and Technology, 2016, 5, P384-P388.	0.9	3
274	Interface state density and dielectric properties of Au/n-GaP Schottky diode. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	0.6	10
275	Synthesis, microstructure and dielectric properties of zirconium doped barium titanate. AIP Conference Proceedings, 2016, , .	0.3	4
276	Structural and dielectric properties of Cu doped CeO ₂ . AIP Conference Proceedings, 2016, , .	0.3	2
277	Optimization of BaZrO ₃ concentration as secondary phase in superconducting YBa ₂ Cu ₃ O ₇ for high current applications. AIP Advances, 2016, 6, .	0.6	6
278	Positron annihilation lifetime characterization of oxygen ion irradiated rutile TiO ₂ . Nuclear Instruments & Methods in Physics Research B, 2016, 379, 215-218.	0.6	33
279	Structural, electrical and magnetic properties of dilutely Y doped NiFe ₂ O ₄ nanoparticles. Journal of Alloys and Compounds, 2016, 685, 492-497.	2.8	23
280	Influence of Si ion implantation on structure and morphology of g-C ₃ N ₄ . Nuclear Instruments & Methods in Physics Research B, 2016, 379, 167-170.	0.6	0
281	A study on 100 MeV O ⁷⁺ irradiated SnO ₂ /Ag/SnO ₂ multilayer as transparent electrode for flat panel display application. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 141-145.	0.6	24
282	Modified structural, surface morphological and optical studies of Li ³⁺ swift heavy ion irradiation on zinc oxide nanoparticles. RSC Advances, 2016, 6, 49068-49075.	1.7	34
283	Novel gamma irradiated agarose-gelatin-hydroxyapatite nanocomposite scaffolds for skin tissue regeneration. Ceramics International, 2016, 42, 11045-11054.	2.3	32
284	Swift heavy ion irradiation induced effects in Fe/MgO/Fe/Co multilayer. Materials and Design, 2016, 101, 72-79.	3.3	13
285	Laser irradiation induced photo-crystallization in nano-structured amorphous Se ₉₀ Hg _x S ₁₀ (x = 0, 5, 10, 15) thin films. RSC Advances, 2016, 6, 44321-44332.	1.7	6
286	Structural, surface potential and optical studies of AlGaIn based double heterostructures irradiated by 120 MeV Si ⁹⁺ swift heavy ions. Journal of Alloys and Compounds, 2016, 679, 94-103.	2.8	3
287	Influence of Ni substitution at B-site for Fe ³⁺ ions on morphological, optical, and magnetic properties of HoFeO ₃ ceramics. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	21
288	Chemical effects at interfaces of Fe/MgO/Fe magnetic tunnel junction. Superlattices and Microstructures, 2016, 100, 560-586.	1.4	15

#	ARTICLE	IF	CITATIONS
289	A highly sensitive CaF ₂ :Dy nanophosphor as an efficient low energy ion dosimetry. Nuclear Instruments & Methods in Physics Research B, 2016, 386, 61-69.	0.6	14
290	Anti-biofilm activity of Fe heavy ion irradiated polycarbonate. Nuclear Instruments & Methods in Physics Research B, 2016, 384, 6-13.	0.6	14
291	Luminescence properties of 100 MeV W ⁸⁺ ion irradiated GdCa ₄ O(BO ₃) ₃ :Eu ³⁺ and GdCa ₄ O(BO ₃) ₃ :Tb ³⁺ phosphors. Journal of Luminescence, 2016, 180, 241-250.	1.5	6
292	Effect of substrate temperature on structural and optical properties of reactive dc magnetron sputtered CdZnO thin films. Materials Today: Proceedings, 2016, 3, 1604-1608.	0.9	2
293	Understanding the origin of ferromagnetism in Er-doped ZnO system. RSC Advances, 2016, 6, 89242-89249.	1.7	57
294	Effect of swift heavy ion irradiation on dilute Fe-doped Sb _{0.95} Se _{0.05} magnetic semiconductor. Radiation Effects and Defects in Solids, 2016, 171, 583-593.	0.4	2
295	Structural, optical and magnetic properties of Sm doped ZnO at dilute concentrations. RSC Advances, 2016, 6, 78122-78131.	1.7	62
296	Structural, magnetic and electronic properties of iron doped barium strontium titanate. RSC Advances, 2016, 6, 112363-112369.	1.7	21
297	Magneto transport study of YBCO: Ag composites. Current Applied Physics, 2016, 16, 1270-1276.	1.1	16
298	Comparative evaluation of enzyme-free nanoclay-ionic liquid based electrodes for detection of bioanalytes. RSC Advances, 2016, 6, 66120-66129.	1.7	3
299	Direct growth of few layer graphene on SiO ₂ substrate by low energy carbon ion implantation. RSC Advances, 2016, 6, 101347-101352.	1.7	8
300	The magnetoresistance of YBCO/BZO composite superconductors. Physica C: Superconductivity and Its Applications, 2016, 531, 85-92.	0.6	10
301	Structural, optical and electronic properties of Ag@TiO ₂ nanocomposite thin film. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	14
302	Investigations on the effect of gamma-ray irradiation on the gas sensing properties of SnO ₂ nanoparticles. Nanotechnology, 2016, 27, 385502.	1.3	26
303	200 MeV Ag ¹⁵⁺ ion beam irradiation effects on spray deposited 5 wt% Li ⁺ doped V ₂ O ₅ thin film. AIP Conference Proceedings, 2016, , .	0.3	0
304	Evolution of microstructure and relaxor ferroelectric properties in (La _z Ba _{1-z})(Ti _{0.80} Sn _{0.20})O ₃ . Journal of Alloys and Compounds, 2016, 687, 197-203.	2.8	22
305	Augmentation of thermoelectric performance of VO ₂ thin films irradiated by 200 MeV Ag ⁹⁺ -ions. Radiation Physics and Chemistry, 2016, 123, 55-62.	1.4	8
306	Ion-beam-induced ferromagnetism in Mn-doped PrFeO ₃ thin films grown on Si (100). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	3

#	ARTICLE	IF	CITATIONS
307	Nanopores formation and shape evolution in Ge during intense ionizing irradiation. Microporous and Mesoporous Materials, 2016, 225, 323-330.	2.2	8
308	Temperature dependent dielectric studies of Ni/n-GaP Schottky diodes by capacitance and conductance measurements. Materials Science in Semiconductor Processing, 2016, 42, 378-382.	1.9	48
309	Formation of nanodots and enhancement of thermoelectric power induced by ion irradiation in PbTe:Ag composite thin films. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 36-41.	0.6	6
310	Frequency dependent negative capacitance effect and dielectric properties of swift heavy ion irradiated Ni/oxide/n-GaAs Schottky diode. Physica B: Condensed Matter, 2016, 489, 23-27.	1.3	11
311	Effect of hydrogen ion implantation on cholesterol sensing using enzyme-free LAPONITE [®] -montmorillonite electrodes. RSC Advances, 2016, 6, 22664-22672.	1.7	9
312	Effect of 200 MeV Ag ¹²⁺ ion irradiations on structural, morphological and magnetic properties of HoFe _{1-x} Ni _x O ₃ (x=0.0, 0.1, 0.3 and 0.5) thin films grown on Si (100) substrates. Journal of Materials Science: Materials in Electronics, 2016, 27, 3583-3590.	1.1	0
313	Gradient core-shell microstructure in mixed valence multiferroic: TM (Ti, Nb, W) substituted bismuth ferrite. Journal of Alloys and Compounds, 2016, 667, 178-183.	2.8	14
314	Transition metal swift heavy ion implantation on 4H-SiC. Nuclear Instruments & Methods in Physics Research B, 2016, 370, 101-106.	0.6	4
315	Structural, morphological, electrical and dielectric properties of Mn doped CeO ₂ . Journal of Alloys and Compounds, 2016, 672, 543-548.	2.8	75
316	Probing the highly transparent and conducting SnO _x /Au/SnO _x structure for futuristic TCO applications. RSC Advances, 2016, 6, 29135-29141.	1.7	54
317	Optical and surface enhanced Raman scattering properties of Au nanoparticles embedded in and located on a carbonaceous matrix. Physical Chemistry Chemical Physics, 2016, 18, 2468-2480.	1.3	55
318	Gamma irradiation studies of composite thin films of poly vinyl alcohol and coumarin. RSC Advances, 2016, 6, 1554-1561.	1.7	21
319	Conduction mechanism in mesoporous hematite thin films using low temperature electrical measurements and theoretical electronic band structure calculations. Journal of Alloys and Compounds, 2016, 664, 682-689.	2.8	10
320	Effect of post sputter annealing treatment on nano-structured cadmium zinc oxide thin films. Journal of Alloys and Compounds, 2016, 665, 86-92.	2.8	15
321	Structural, optical and electrical properties of heavy ion irradiated CdZnO thin films. Thin Solid Films, 2016, 605, 102-107.	0.8	24
322	Investigations on Device Characteristics of Chemically Grown Nanostructured Y _{0.95} Ca _{0.05} MnO ₃ /Si Junctions. Advanced Science Letters, 2016, 22, 843-848.	0.2	17
323	Green and red luminescence in co-precipitation synthesized Pr:LuAG nanophosphor. AIP Conference Proceedings, 2016, , .	0.3	1
324	Consequences of electronic excitations in CoFe _{1.90} Dy _{0.10} O ₄ . Current Applied Physics, 2015, 15, 1650-1656.	1.1	4

#	ARTICLE	IF	CITATIONS
325	Oxygen partial pressure on the structural and electrical properties of CdZnO thin films. AIP Conference Proceedings, 2015, , .	0.3	2
326	Oxygen ion irradiation on AlGaN/GaN heterostructure grown on silicon substrate by MOCVD method. AIP Conference Proceedings, 2015, , .	0.3	0
327	Effect of Ag doping and annealing on thermoelectric properties of PbTe. AIP Conference Proceedings, 2015, , .	0.3	2
328	Structural ordering of multi-walled carbon nanotubes (MWCNTs) caused by gamma (γ)-ray irradiation. AIP Conference Proceedings, 2015, , .	0.3	0
329	Structural and optical properties of oxygen irradiated Zn _{1-x} Mg _x O (x = 0, 0.2) thin films. AIP Conference Proceedings, 2015, , .	0.3	0
330	Effect of 50MeV Li ³⁺ ion irradiation on structural, optical and electrical properties of amorphous Se ₉₅ Zn ₅ thin films. AIP Conference Proceedings, 2015, , .	0.3	0
331	Growth and Magnetic Properties of RF Sputtered Fe-Ga Thin Films. Materials Research, 2015, 18, 946-952.	0.6	6
332	Impact of sintering temperature on structural, optical and ferroelectric properties of V-doped ZnO. Materials Research Express, 2015, 2, 045901.	0.8	7
333	Enhancement of thermoelectric power of PbTe:Ag nanocomposite thin films. RSC Advances, 2015, 5, 25887-25895.	1.7	26
334	Preparation and characterizations of cadmium sulfide nanoparticles. Optik, 2015, 126, 1240-1244.	1.4	23
335	Role of ion beam excitations on quasi one-dimensional magnetic system of Mn-doped LiCuVO ₄ . Materials Chemistry and Physics, 2015, 161, 19-25.	2.0	0
336	Role of substrate effects on the morphological, structural, electrical and thermoelectrical properties of V ₂ O ₅ thin films. RSC Advances, 2015, 5, 52602-52611.	1.7	44
337	Structural and optical analysis of ⁶⁰ Co gamma-irradiated thin films of polycrystalline Ga ₁₀ Se ₈₅ Sn ₅ . Radiation Effects and Defects in Solids, 2015, 170, 956-969.	0.4	8
338	Physical and biological properties of the ion beam irradiated PMMA-based composite films. Applied Surface Science, 2015, 329, 116-126.	3.1	28
339	Structural, magnetic and electronic structure studies of PrFe _{1-x} Mn _x O ₃ (x=0, 0.1, 0.3, 0.5) thin films grown on Si (100). Journal of Alloys and Compounds, 2015, 628, 151-157.	2.8	3
340	Role of strain and nanoscale defects in modifying the multiferroicity in nanostructured BiFeO ₃ films. Journal of Experimental Nanoscience, 2015, 10, 1057-1067.	1.3	11
341	Diffuse phase ferroelectric vs. Polomska transition in (1-x) BiFeO ₃ -(x) Ba Zr _{0.025} Ti _{0.975} O ₃ (0.1 $\hat{\%}$ x $\hat{\%}$ 0.3) solid solutions. Journal of Applied Physics, 2015, 117, 024102.	1.1	10
342	Effect of laser irradiation on structural and optical properties of thermally evaporated thin films of amorphous Cd ₅ Se ₉₅ Zn _x . Radiation Effects and Defects in Solids, 2015, 170, 30-42.	0.4	3

#	ARTICLE	IF	CITATIONS
343	Modifications in device characteristics of La _{0.6} Pr _{0.2} Sr _{0.2} MnO ₃ /SrNb _{0.002} Ti _{0.998} O ₃ manganites by swift heavy ion irradiation. Indian Journal of Physics, 2015, 89, 137-142.	0.9	26
344	Structural, transport and ferroelectric properties of Zn _{1-x} Mg _x O samples and their local electronic structure. Superlattices and Microstructures, 2015, 78, 183-189.	1.4	15
345	Studies of dense electronic excitation-induced modification in crystalline Fe-doped SnO ₂ thin films. Applied Surface Science, 2015, 332, 726-735.	3.1	29
346	Investigation of phase segregation in yttrium doped zinc oxide. Ceramics International, 2015, 41, 6734-6739.	2.3	33
347	Prototype electrochromic device and dye sensitized solar cell using spray deposited undoped and Li TM -doped V ₂ O ₅ thin film electrodes. Current Applied Physics, 2015, 15, 622-631.	1.1	45
348	Growth and various characterizations of LiHSO ₄ single crystals. Journal of Materials Science: Materials in Electronics, 2015, 26, 1455-1460.	1.1	1
349	Electrical and magnetic properties of the pulsed laser deposited Ca doped LaMnO ₃ thin films on Si (100) and their electronic structures. RSC Advances, 2015, 5, 69075-69085.	1.7	19
350	Synthesis of magnetic hydroxyapatite by hydrothermal microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies. Ceramics International, 2015, 41, 13153-13163.	2.3	60
351	Effect of gamma ray irradiation on sodium borate single crystals. Radiation Physics and Chemistry, 2015, 117, 70-77.	1.4	11
352	Role of growth temperature on the structural, optical and electrical properties of ZnO thin films. Journal of Alloys and Compounds, 2015, 649, 1205-1209.	2.8	20
353	Modification of magnetic anisotropy induced by swift heavy ion irradiation in cobalt ferrite thin films. Journal of Magnetism and Magnetic Materials, 2015, 394, 432-438.	1.0	6
354	Ion-irradiation induced relaxation of tensile strain and change in directionality of magnetic domains in BaFeO ₃ thin films. Europhysics Letters, 2015, 110, 47011.	0.7	2
355	Tuning of optical bandgap and magnetization of C-implanted ZnO thin films. Europhysics Letters, 2015, 110, 67006.	0.7	44
356	Impact of 100 MeV Ag ⁷⁺ SHI irradiation fluence and N incorporation on structural, optical, electrical and gas sensing properties of ZnO thin films. Applied Physics A: Materials Science and Processing, 2015, 119, 1541-1553.	1.1	21
357	Structural Analysis and Dielectric Properties of HoFe _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.5). Journal of Electronic Materials, 2015, 44, 1044-1053.	1.0	7
358	Structural, Electrical and Optical Properties of Cd Doped ZnO Thin Films by Reactive dc Magnetron Sputtering. Jom, 2015, 67, 834-839.	0.9	19
359	Investigation of structural and optical properties of 100 MeV F ⁷⁺ ion irradiated Ca ₁₀ Se _{90-x} Al _x thin films. Philosophical Magazine, 2015, 95, 1309-1320.	0.7	10
360	Effect of defects and film thickness on the optical properties of ZnO-Au hybrid films. RSC Advances, 2015, 5, 40813-40819.	1.7	16

#	ARTICLE	IF	CITATIONS
361	Onset of size independent cationic exchange in nano-sized CoFe ₂ O ₄ induced by electronic excitation. <i>Journal of Alloys and Compounds</i> , 2015, 645, 274-282.	2.8	18
362	WO ₃ nanoparticles based direct electrochemical dopamine sensor in the presence of ascorbic acid. <i>Electrochimica Acta</i> , 2015, 167, 294-302.	2.6	131
363	Critical current density enhancement by ion irradiation for thick YBa ₂ Cu ₃ O _{7-δ} films prepared by diffusion reaction technique. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 343, 94-100.	0.6	5
364	Effect of swift heavy ion (SHI) irradiation on the structural and optical properties of N implanted CVT grown ZnSe single crystals. <i>Materials Science in Semiconductor Processing</i> , 2015, 36, 140-148.	1.9	5
365	Investigating spin reversal and other anomalies in magnetic, transport and specific heat measurements of NdFeO ₃ and NdFe _{0.5} Ni _{0.5} O ₃ ortho-perovskites. <i>RSC Advances</i> , 2015, 5, 85082-85094.	1.7	7
366	Effect of gamma irradiation on the structural and optical properties of thin films of a-CdSe. <i>Optik</i> , 2015, 126, 3501-3505.	1.4	9
367	Effect of Mn doping on structural, morphological and dielectric properties of EuFeO ₃ ceramics. <i>RSC Advances</i> , 2015, 5, 93867-93876.	1.7	34
368	Crystallite size induced crossover from paramagnetism to superparamagnetism in zinc ferrite nanoparticles. <i>Superlattices and Microstructures</i> , 2015, 86, 390-394.	1.4	12
369	Graphene scavenges free radicals to synergistically enhance structural properties in a gamma-irradiated polyethylene composite through enhanced interfacial interactions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22900-22910.	1.3	49
370	Swift heavy ion induced capacitance and dielectric properties of Ni/n-GaAs Schottky diode. <i>Current Applied Physics</i> , 2015, 15, 1500-1505.	1.1	10
371	Reduction of graphene oxide by 100 MeV Au ion irradiation and its application as H ₂ O ₂ sensor. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 365105.	1.3	43
372	Phase evolution and electrical properties of Co ϵ Sb alloys fabricated from Co/Sb bilayers by thermal annealing and ion beam mixing. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24427-24437.	1.3	21
373	Modifications in the electronic structure of Rare-Earth doped BiFeO ₃ multiferroic. <i>Solid State Communications</i> , 2015, 222, 5-8.	0.9	23
374	Effect of ⁶⁰ Co γ -irradiation on structural and optical properties of thin films of Ga ₁₀ Se ₈₀ Hg ₁₀ . <i>Philosophical Magazine</i> , 2015, 95, 2385-2402.	0.7	6
375	Electronic excitation induced structural, optical and electrical properties of Se ₈₅ S ₁₀ Zn ₅ thin films and applicability of a single oscillator model. <i>RSC Advances</i> , 2015, 5, 69400-69409.	1.7	14
376	Structural and morphological properties of Ag ion irradiated SnO ₂ thin films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012113.	0.3	10
377	Investigation on the dielectric response of NdMnO ₃ /LSAT thin films: Effect of 200 MeV Ag ¹⁵⁺ ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 365, 560-563.	0.6	18
378	Defect driven ferromagnetism in SnO ₂ : a combined study using density functional theory and positron annihilation spectroscopy. <i>RSC Advances</i> , 2015, 5, 1148-1152.	1.7	35

#	ARTICLE	IF	CITATIONS
379	Role of surface and subsurface defects in MgO thin film: XANES and magnetic investigations. Superlattices and Microstructures, 2015, 77, 313-324.	1.4	34
380	Correlative Exploration Of Structural, Optical And Electric Properties Of Colossal Dielectric Ni Doped Sm Orthoferrites. Advanced Materials Letters, 2015, 6, 1081-1087.	0.3	11
381	FTIR and Electrical Study of Dysprosium Doped Cobalt Ferrite Nanoparticles. Journal of Nanoscience, 2014, 2014, 1-10.	2.6	67
382	Enhancement of Curie temperature of barium hexaferrite by dense electronic excitations. AIP Advances, 2014, 4, .	0.6	19
383	Effect of gamma ray irradiation on the structural and electrical transport properties of $\text{PrFe}_{1-x}\text{Mn}_x\text{O}_3$. , 2014, , .		0
384	Enhanced UV and suppressed defect related emission in yttrium doped zinc oxide. , 2014, , .		2
385	Study on effect of annealing conditions on structural, magnetic and superconducting properties of MgB_2 bulk samples. , 2014, , .		0
386	100 MeV O^{7+} irradiation induced red shift in the band gaps of 3 wt% 'Li' doped Nb_2O_5 thin film. , 2014, , .		1
387	Role of defects in BiFeO_3 multiferroic films and their local electronic structure by x-ray absorption spectroscopy. Journal of Applied Physics, 2014, 116, .	1.1	24
388	Electrical properties of BaTiO_3 based μc MFIS heterostructure: Role of semiconductor channel carrier concentration. AIP Advances, 2014, 4, .	0.6	22
389	Engineering strain, densification, order parameter and magnetic properties of FePt thin films by dense electronic excitations. Journal of Applied Physics, 2014, 116, 083902.	1.1	4
390	Selective area growth of Bernal bilayer epitaxial graphene on 4H-SiC (0001) substrate by electron-beam irradiation. Applied Physics Letters, 2014, 105, 181601.	1.5	11
391	Electronic structure of Fe/MgO/Fe multilayer stack by X-ray magnetic circular dichroism. Journal of Applied Physics, 2014, 115, .	1.1	18
392	Field and temperature dependent electron transport properties of random network single walled and multi walled carbon nanotubes. Materials Research Express, 2014, 1, 035004.	0.8	3
393	Effect of Ni doping on optical, electrical and magnetic properties of Nd orthoferrite. Journal of Physics: Conference Series, 2014, 534, 012017.	0.3	17
394	Local electronic structure of ZnO nanorods grown by radio frequency magnetron sputtering. Materials Letters, 2014, 116, 206-208.	1.3	24
395	Structural, optical and ferroelectric properties of V doped ZnO . Applied Nanoscience (Switzerland), 2014, 4, 531-536.	1.6	68
396	Structural, dielectric and ac conductivity properties of Ni-doped HoFeO_3 before and after gamma irradiation. Applied Physics A: Materials Science and Processing, 2014, 116, 1327-1335.	1.1	15

#	ARTICLE	IF	CITATIONS
397	Crystal structure, morphological, optical and electrical investigations of Oxypeucedanin micro crystals: an isolated compound from a plant. Journal of Materials Science: Materials in Electronics, 2014, 25, 431-437.	1.1	14
398	Effect of Artificial Defects on Electric and Magnetic Transport Properties in YBa ₂ Cu ₃ O _{7-δ} Thick Film. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1443-1450.	0.8	0
399	Structural, optical and transport properties of 4-hydroxy coumarin: an organic Schottky diode. Applied Physics A: Materials Science and Processing, 2014, 116, 1017-1023.	1.1	7
400	Optical, DC and AC electrical investigations of 4-hydroxy coumarin molecule as an organic Schottky diode. Journal of Materials Science: Materials in Electronics, 2014, 25, 1258-1263.	1.1	26
401	Defect induced weak ferroelectricity and magnetism in cubic off-stoichiometric nano bismuth iron garnet: effect of milling duration. Journal of Materials Science: Materials in Electronics, 2014, 25, 664-672.	1.1	5
402	Structural, optical and dielectric study of Mn doped PrFeO ₃ ceramics. Vacuum, 2014, 99, 251-258.	1.6	85
403	Structural, optical and dielectric properties of Ni substituted NdFeO ₃ . Optik, 2014, 125, 6903-6908.	1.4	39
404	Investigations on structural and optical properties of ZnO and ZnO:Co nanoparticles under dense electronic excitations. RSC Advances, 2014, 4, 62123-62131.	1.7	75
405	Enhanced Room-Temperature Ferromagnetism on Co-Doped CeO ₂ Nanoparticles: Mechanism and Electronic and Optical Properties. Journal of Physical Chemistry C, 2014, 118, 27039-27047.	1.5	94
406	An experimental setup for the simultaneous measurement of thermoelectric power of two samples from 77 K to 500 K. Review of Scientific Instruments, 2014, 85, 085115.	0.6	45
407	Fabrication of p-n junction diode using SnO/SnO ₂ thin films and its device characteristics. Electronic Materials Letters, 2014, 10, 743-747.	1.0	15
408	Phenomenological understanding of dewetting and embedding of noble metal nanoparticles in thin films induced by ion irradiation. Materials Chemistry and Physics, 2014, 147, 920-924.	2.0	28
409	Spin dynamics investigation in nanosized zinc ferrite irradiated with 200MeV Ag ¹⁵⁺ ions. Materials Letters, 2014, 122, 277-280.	1.3	7
410	Defects mediated diffusion in Pt/Co/Pt multilayers induced by dense electronic excitations. Current Applied Physics, 2014, 14, 455-461.	1.1	2
411	Reduction of anti-ferroelectric temperature region in NBT-BT ceramics using 100MeV O ⁷⁺ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2014, 318, 287-291.	0.6	0
412	Possibility of room-temperature multiferroism in Mg-doped ZnO. Applied Physics A: Materials Science and Processing, 2014, 114, 453-457.	1.1	45
413	Temperature Dependent Raman Spectroscopy Of La _{1-x} CaxMnO ₃ (X = 0.0 And 0.3). Advanced Materials Letters, 2014, 5, 09-13.	0.3	4
414	Magnetic, Electronic Structure And Interface Study Of Fe/MgO/Fe Multilayer. Advanced Materials Letters, 2014, 5, 372-377.	0.3	17

#	ARTICLE	IF	CITATIONS
415	Growth and Characterization of ZnO and TiO ₂ -MWCNT Nanocomposite for Dye Sensitized Solar Cells. <i>Advanced Science Letters</i> , 2014, 20, 1567-1569.	0.2	0
416	Synthesis of Tin Nanoparticles by Swift Heavy Ion Irradiation of Films on Quartz Substrates. <i>Advanced Science Letters</i> , 2014, 20, 1446-1449.	0.2	2
417	Effect of SHI irradiation on the morphology of SnO ₂ thin film prepared by reactive thermal evaporation. <i>Vacuum</i> , 2013, 90, 39-43.	1.6	42
418	Li ⁺ doping induced physicochemical property modifications of MoO ₃ thin films. <i>Applied Surface Science</i> , 2013, 284, 624-633.	3.1	30
419	Study on the ferromagnetism in Co and N doped ZnO thin films. <i>Current Applied Physics</i> , 2013, 13, 1547-1553.	1.1	9
420	Role of strain and microstructure in chemical solution deposited La _{0.7} Pb _{0.3} MnO ₃ manganite films: Thickness dependent swift heavy ions irradiation studies. <i>Radiation Physics and Chemistry</i> , 2013, 85, 173-178.	1.4	59
421	Swift heavy ion provoked structural, optical and electrical properties in SnO ₂ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 1175-1180.	1.1	14
422	Controlled and Selective Area Growth of Monolayer Graphene on 4H-SiC Substrate by Electron-Beam-Assisted Rapid Heating. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19195-19202.	1.5	18
423	Study of structural, morphological and electrical properties of Ce doped NiFe ₂ O ₄ nanoparticles and their electronic structure investigation. <i>Journal of Alloys and Compounds</i> , 2013, 581, 178-185.	2.8	35
424	Effect of 130 MeV Au ion irradiation on CO ₂ gas sensing properties of In ₂ Te ₃ thin films. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 8-13.	4.0	16
425	Fabrication and characterization of cerium doped barium titanate/PMMA nanocomposites. <i>Solid State Sciences</i> , 2013, 19, 122-129.	1.5	29
426	Energetic ion irradiation induced crystallization of Ni-Mn-Sn ferromagnetic shape memory alloy thin film. <i>Vacuum</i> , 2013, 89, 190-196.	1.6	11
427	200 MeV Ag ⁺¹⁵ ion irradiation-induced modifications in structural, magnetic and dielectric properties of nanoparticles of Cu _{0.2} Zn _{0.8} Fe ₂ O ₄ ferrite. <i>Radiation Effects and Defects in Solids</i> , 2013, 168, 537-546.	0.4	5
428	Comparison of Properties of Pristine and 200 MeV Ag ¹⁵⁺ Ions Irradiated Li ⁺ 3 wt% Doped V ₂ O ₅ Thin Films. <i>Transactions of the Indian Institute of Metals</i> , 2013, 66, 353-356.	0.7	1
429	Effect of SHI irradiation on NBT-BT ceramics: Transformation of relaxor ferroelectric to ferroelectric nature. <i>Applied Surface Science</i> , 2013, 265, 296-301.	3.1	17
430	Studies on Ag ⁸⁺ and Li ⁴⁺ ions irradiated LAHCl single crystals. <i>Materials Chemistry and Physics</i> , 2013, 137, 937-940.	2.0	1
431	Phase transition induced double-Gaussian barrier height distribution in Schottky diode. <i>Physica B: Condensed Matter</i> , 2013, 431, 6-10.	1.3	13
432	Role of oxygen in multiferroic behavior of BiFeO ₃ films grown on 0.2% Nb doped SrTiO ₃ . <i>Solid State Communications</i> , 2013, 169, 10-13.	0.9	30

#	ARTICLE	IF	CITATIONS
433	Structural, optical and electrical properties of gamma irradiated SnO thin films. Radiation Physics and Chemistry, 2013, 91, 35-39.	1.4	78
434	Electronic excitation induced phase transformation in FSMA thin film. Vacuum, 2013, 89, 215-219.	1.6	5
435	Oxygen and gold ion irradiation effects on hydroxyethylammonium (I) tartrate monohydrate single crystals. Radiation Measurements, 2013, 49, 88-94.	0.7	0
436	Spectroscopic study of Zn $_{1-x}$ CoxO thin films showing intrinsic ferromagnetism. Materials Chemistry and Physics, 2013, 140, 130-134.	2.0	16
437	The effect of 200MeV Ag ions on the transport property of yttrium barium copper oxide/silver composite thin film. Thin Solid Films, 2013, 536, 256-260.	0.8	4
438	Effect of SHI irradiation on structural, surface morphological and optical studies of CVT grown ZnSse single crystals. Journal of Alloys and Compounds, 2013, 580, 284-289.	2.8	15
439	The effect of 200MeV swift heavy Ag ions on the transport property of YBa ₂ Cu ₃ O _{7-δ} thick films. Physica C: Superconductivity and Its Applications, 2013, 492, 168-173.	0.6	3
440	Nanocrystalline biphasic resorbable calcium phosphate (HAp/ β -TCP) thin film prepared by electron beam evaporation technique. Applied Surface Science, 2013, 274, 203-209.	3.1	15
441	Bandgap tuning in highly c-axis oriented Zn $_{1-x}$ MgxO thin films. Applied Physics Letters, 2013, 102, .	1.5	95
442	Coexistence of intrinsic and extrinsic origins of room temperature ferromagnetism in as implanted and thermally annealed ZnO films probed by x-ray absorption spectroscopy. Journal of Applied Physics, 2013, 113, .	1.1	30
443	Correlation between the dielectric properties and local electronic structure of copper doped calcium titanate. Journal of Alloys and Compounds, 2013, 572, 84-89.	2.8	28
444	Effect of 200MeV Ag ⁺ ion irradiation on magnetic and dielectric properties of nanocrystalline Zn ϵ -Cr ferrite. Radiation Effects and Defects in Solids, 2013, 168, 525-531.	0.4	3
445	Structural and electrical studies of La ₂ NiO ₄ system. , 2013, , .		0
446	Substrate induced modifications in the structural and optical properties of zinc oxide thin films. , 2013, , .		2
447	Effect of deposition pressure on the structural and magnetic properties of cobalt ferrite thin films. , 2013, , .		2
448	Correlation between structural and dielectric properties of Ni-substituted magnetite nanoparticles. Europhysics Letters, 2013, 103, 17008.	0.7	42
449	Structural and optical properties of ZnO and ZnO:Fe nanoparticles under dense electronic excitations. Journal of Applied Physics, 2013, 114, .	1.1	18
450	A chemiresistive sensor based on conducting polymer/SWNT composite nanofibrillar matrix effect of 100 MeV O ¹⁶⁺ ion irradiation on gas sensing properties. Smart Materials and Structures, 2013, 22, 035004.	1.8	12

#	ARTICLE	IF	CITATIONS
451	Synthesis of cobalt nanoparticles on Si (100) by swift heavy ion irradiation. Nanoscale Research Letters, 2013, 8, 433.	3.1	12
452	Structural and dielectric properties of Zn _{1-x} Mg _x O. , 2013, , .		1
453	Improved optical and electrical properties of 200 MeV Ag ¹⁵⁺ irradiated 3 wt% 'Li' doped MoO ₃ thin film. , 2013, , .		1
454	Effect of Intermediate Annealing on the Structural, Electrical and Dielectric Properties of Zinc Ferrite: An XANES Investigation. Science of Advanced Materials, 2013, 5, 171-181.	0.1	23
455	Effect Of Irradiation Of Si ⁵⁺ Ion On Fe Doped Hydroxyapatite. Advanced Materials Letters, 2013, 4, 438-443.	0.3	10
456	Local Electronic Structure Of Heavy-ion Irradiated Nano-crystalline Stoichiometric La _{0.8} Sr _{0.2} Mn _{0.8} Fe _{0.2} O ₃ Particles Using Highresolution Mössbauer Spectroscopy. Advanced Materials Letters, 2013, 4, 862-868.	0.3	1
457	Fabrication of multiferroic GdMnO ₃ thin film by pulsed laser deposition technique. , 2012, , .		1
458	Magnetization in MgO based multilayers fabricated by e-beam evaporation. AIP Conference Proceedings, 2012, , .	0.3	5
459	SHI induced enhancement in conductivity of PbTe thin film for thermoelectric applications. , 2012, , .		0
460	Temperature dependence of 1/f noise in Ni/n-GaN Schottky barrier diode. Journal of Applied Physics, 2012, 112, 024507.	1.1	35
461	Evidence for phase change memory behavior in In ₂ (SexTe _{1-x}) ₃ thin films. Electronic Materials Letters, 2012, 8, 417-421.	1.0	8
462	Schottky nature of InSe/Cu thin film diode prepared by sequential thermal evaporation. Electronic Materials Letters, 2012, 8, 621-626.	1.0	10
463	Swift heavy ion-induced effects in Ce-doped nickel ferrite nanoparticles. Radiation Effects and Defects in Solids, 2012, 167, 307-318.	0.4	14
464	Synthesis of In ₂ Te ₃ thin films from In/Te bilayer by Si ion irradiation. Radiation Effects and Defects in Solids, 2012, 167, 799-806.	0.4	4
465	A study on 120MeV Ag ⁹⁺ irradiation induced modifications in structural, electrical and optical behavior of ZnSnO ₃ thin films. Nuclear Instruments & Methods in Physics Research B, 2012, 285, 61-64.	0.6	16
466	Structural, optical and transport properties of 100 MeV oxygen ion irradiated V ₂ O ₅ thin film. , 2012, , .		1
467	200MeV Ag ¹⁵⁺ ion induced surface modification and transport behaviour in manganite based thin film devices. Applied Surface Science, 2012, 258, 4203-4206.	3.1	7
468	Swift heavy ion irradiation induced modifications in magnetic and dielectric properties of Mn ²⁺ Ca ferrite. Applied Surface Science, 2012, 258, 4207-4211.	3.1	31

#	ARTICLE	IF	CITATIONS
469	130MeV Au ion irradiation induced dewetting on In ₂ Te ₃ thin film. Applied Surface Science, 2012, 258, 8558-8563.	3.1	12
470	Magnetic and electrical properties of In doped cobalt ferrite nanoparticles. Journal of Applied Physics, 2012, 112, .	1.1	249
471	N-Ion-implanted TiO ₂ photoanodes in quantum dot-sensitized solar cells. Nanoscale, 2012, 4, 2416.	2.8	36
472	Phase transformation in Ni-Mn-Sn ferromagnetic shape memory alloy thin films induced by dense ionization. Applied Physics A: Materials Science and Processing, 2012, 107, 925-934.	1.1	12
473	Investigation of phase segregation in Zn _{1-x} Mg _x O systems. Current Applied Physics, 2012, 12, 1166-1172.	1.1	60
474	Micro Raman analysis of MOCVD grown gallium nitride epilayers irradiated with light and heavy ions. Materials Chemistry and Physics, 2012, 132, 494-499.	2.0	8
475	Enhancement of wettability and antibiotic loading/release of hydroxyapatite thin film modified by 100MeV Ag ⁷⁺ ion irradiation. Materials Chemistry and Physics, 2012, 134, 464-477.	2.0	41
476	Investigation of O ⁷⁺ swift heavy ion irradiation on molybdenum doped indium oxide thin films. Radiation Physics and Chemistry, 2012, 81, 589-593.	1.4	16
477	Effect of 120MeV Au ⁹⁺ ion irradiation on structural, optical and dielectric properties of YCa ₄ O(BO ₃) ₃ nonlinear optical crystal. Nuclear Instruments & Methods in Physics Research B, 2012, 280, 134-139.	0.6	8
478	Study on synthesis of magnetic nanocomposite (Ni-Teflon) by swift heavy ion beam mixing. Advanced Materials Letters, 2012, 2, 71-75.	0.3	14
479	Study Of Surface Morphology And Grain Size Of Irradiated MgO Thin Films. Advanced Materials Letters, 2012, 3, 112-117.	0.3	28
480	Efficient Performance of Electrostatic Spray-Deposited TiO ₂ Blocking Layers in Dye-Sensitized Solar Cells after Swift Heavy Ion Beam Irradiation. Nanoscale Research Letters, 2011, 6, 30.	3.1	18
481	The effect of Ag ¹⁶⁺ ion irradiation on the structural properties of Ba-W hexaferrite prepared using a co-precipitation route. Radiation Effects and Defects in Solids, 2011, 166, 653-656.	0.4	1
482	Looking for the possibility of multiferroism in NiGd _{0.04} Fe _{1.96} O ₄ nanoparticle system. Journal Physics D: Applied Physics, 2011, 44, 435306.	1.3	39
483	Synthesis of Au nanoparticles at the surface and embedded in carbonaceous matrix by 150 keV Ar ion irradiation. Journal Physics D: Applied Physics, 2011, 44, 125302.	1.3	49
484	Influence of 150MeV Ni ¹¹⁺ swift heavy ion irradiation on CuFe ₂ O ₄ thin films prepared by radio frequency magnetron sputtering: Modification on structure and surface morphology. Thin Solid Films, 2011, 520, 204-211.	0.8	2
485	Ion irradiation induced modifications of nanostructured Ni-Mn-Sn ferromagnetic shape memory alloy thin films. Thin Solid Films, 2011, 520, 1631-1637.	0.8	22
486	Effect of 100MeV Ni ⁹⁺ ion irradiation on MOCVD grown n-GaN. Physica B: Condensed Matter, 2011, 406, 4210-4213.	1.3	8

#	ARTICLE	IF	CITATIONS
487	Structural, optical, and electrical characteristics of 70 MeV Si ⁵⁺ ion irradiation-induced nanoclusters of gallium nitride. <i>Journal of Materials Science</i> , 2011, 46, 1015-1020.	1.7	15
488	Growth kinetics of nanograins in SnO ₂ fibers and size dependent sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 254-260.	4.0	114
489	125 MeV Si ⁹⁺ ion irradiation of calcium phosphate thin film coated by rf-magnetron sputtering technique. <i>Applied Surface Science</i> , 2011, 257, 2134-2141.	3.1	12
490	Effect of thermal spike energy created in CuFe ₂ O ₄ by 150 MeV Ni ¹¹⁺ swift heavy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1088-1093.	0.6	8
491	Effects of O ⁷⁺ swift heavy ion irradiation on indium oxide thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1836-1840.	0.6	7
492	Effect of swift heavy ion irradiation on structural, optical and electrical properties of spray deposited CdO thin films. <i>Radiation Physics and Chemistry</i> , 2011, 80, 435-439.	1.4	49
493	Dielectric Behavior of Nano sized Particles of Zn-Cr Ferrite. , 2011, , .		1
494	Magnetic and Humidity-Sensing Properties of Nanostructured Cu _{1-x} Co _x Fe ₂ O ₄ Synthesized via Autocombustion. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5850-5855.		
495	Local atomic and electronic structures and ferroelectric properties of PbZr _{0.52} Ti _{0.48} O ₃ : An x-ray absorption study. <i>Applied Physics Letters</i> , 2011, 99, 042909.	1.5	10
496	Effect of Li ³⁺ heavy ion irradiation on the Mo doped In ₂ O ₃ thin films prepared by spray pyrolysis technique. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 085404.	1.3	12
497	Role of 3d electrons in the rapid suppression of superconductivity in the dilute V doped spinel superconductor LiTi ₂ O ₄ . <i>Superconductor Science and Technology</i> , 2011, 24, 115007.	1.8	18
498	Electronic Structure Studies of Nanoferrite Cu _x Co _{1-x} Fe ₂ O ₄ by X-ray Absorption Spectroscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 386-390.	0.9	12
499	STRUCTURAL CHARACTERISTICS OF 70 MeV Si ⁵⁺ ION IRRADIATION INDUCED NANOCCLUSERS OF GALLIUM NITRIDE. <i>International Journal of Nanoscience</i> , 2011, 10, 823-826.	0.4	0
500	EFFECT OF SWIFT HEAVY ION IRRADIATION ON THE STRUCTURAL AND MORPHOLOGICAL ASPECTS OF COPPER FERRITE NANOPARTICLES. <i>International Journal of Nanoscience</i> , 2011, 10, 111-115.	0.4	2
501	Dielectric Behavior of Bulk and Nanocrystalline Zn-Mn Ferrite. , 2011, , .		1
502	Growth of Nanopillars in SnO ₂ Thin Films by Ion Irradiation and Its Gas Sensing Properties. <i>Advanced Science Letters</i> , 2011, 4, 501-507.	0.2	16
503	Growth of Nanograins in TiO ₂ Nanofibers Synthesized by Electrospinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3604-3608.	0.9	14
504	Effect of swift heavy ion irradiation on structural, optical and electrical properties of Cd ₂ SnO ₄ thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 2391-2394.	0.6	20

#	ARTICLE	IF	CITATIONS
505	Stabilization of the anatase phase of $Ti_{1-x}Sn_xO_2$ ($x < 0.5$) nanofibers. Nano Research, 2010, 3, 256-263.	5.8	15
506	Controlling the size of nanograins in TiO_2 nanofibers. Metals and Materials International, 2010, 16, 785-788.	1.8	9
507	Nanocomposite $ZnO@SnO_2$ Nanofibers Synthesized by Electrospinning Method. Nanoscale Research Letters, 2010, 5, 747-752.	3.1	39
508	High-energy ion induced physical and surface modifications in antimony sulphide thin films. Current Applied Physics, 2010, 10, 1112-1116.	1.1	16
509	Growth of ZnO Nanobrushes Using a Two-Step Aqueous Solution Method. Journal of the American Ceramic Society, 2010, 93, 3190-3194.	1.9	8
510	Effect of 100 MeV O^{7+} ion beam irradiation on structural, optical and electronic properties of SnO_2 thin films. Radiation Effects and Defects in Solids, 2010, 165, 930-937.	0.4	17
511	Effects of irradiation on the electrochemical behavior of the alloy $Ti_{60}Ni_{40}$. Journal of Alloys and Compounds, 2010, 503, 192-193.	2.8	3
512	Surfactant-assisted synthesis of $Cd_{1-x}Co_xS$ nanocluster alloys and their structural, optical and magnetic properties. Journal of Alloys and Compounds, 2010, 493, 240-245.	2.8	52
513	Electronic structure of Cu-doped ZnO thin films by x-ray absorption, magnetic circular dichroism, and resonant inelastic x-ray scattering. Journal of Applied Physics, 2010, 107, .	1.1	58
514	Effect of Co, Ni, and Cu substitution on the electronic structure of hexagonal $YMnO_3$ studied by x-ray absorption spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	39
515	90 MeV ^{16}O heavy-ion irradiation effects on $La_{0.9}Pb_{0.1}MnO_3$ single crystals. Materials Chemistry and Physics, 2009, 117, 113-116.	2.0	8
516	Preparation of thermally stable nanocrystalline hydroxyapatite by hydrothermal method. Journal of Materials Science: Materials in Medicine, 2009, 20, 77-83.	1.7	19
517	Investigations on the <i>in vitro</i> bioactivity of swift heavy oxygen ion irradiated hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2009, 20, 271-275.	1.7	35
518	Electronic Structure of $EuMo_6Se_8$ Studied by X-Ray Absorption Spectroscopy. Journal of Cluster Science, 2009, 20, 205-211.	1.7	1
519	High-energy heavy-ion induced physical and surface-chemical modifications in polycrystalline cadmium sulfide thin films. Applied Physics A: Materials Science and Processing, 2009, 94, 703-714.	1.1	48
520	Local electronic structure of phosphorus-doped ZnO films investigated by X-ray absorption near-edge spectroscopy. Applied Physics A: Materials Science and Processing, 2009, 94, 995-998.	1.1	17
521	Investigations on the effect of 100 MeV Ni ions irradiated chloride vapour phase epitaxy (Cl-VPE) grown GaN epilayers. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 79-82.	0.6	5
522	Effect of swift heavy ion irradiation on photoluminescence of Tris-(8-hydroxyquinoline)aluminum thin films. Surface and Coatings Technology, 2009, 203, 2679-2681.	2.2	5

#	ARTICLE	IF	CITATIONS
523	Thickness-Dependent Electronic Structure of Intermetallic CeCo ₂ Nanorod Films Studied by X-ray Absorption Spectroscopy. <i>Langmuir</i> , 2009, 25, 7568-7572.	1.6	3
524	Investigations on the structural, optical and electronic properties of Nd doped ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105410.	1.3	67
525	Ion Beam Modification of PEO Based Polymer Electrolytes. <i>Macromolecular Symposia</i> , 2009, 277, 8-13.	0.4	5
526	Electronic Structure of Co-doped ZnO Thin Films by X-ray Absorption and Emission Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2009, 55, 167-172.	0.3	13
527	X-ray Absorption and Emission Studies of Mn-doped ZnO Thin Films. <i>Journal of the Korean Physical Society</i> , 2009, 55, 177-182.	0.3	10
528	Investigations on 40MeV Li ³⁺ ions irradiated GaN epilayers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1799-1803.	0.6	8
529	Optical properties of swift ion beam irradiated CdTe thin films. <i>Thin Solid Films</i> , 2008, 516, 5508-5512.	0.8	24
530	Study of the effect of SHI irradiation on nanocrystalline vacancy doped (La,Sr)(Mn,Fe)O system and its comparison with hydrostatic pressure using Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2008, 183, 141-146.	0.2	0
531	Effect of swift heavy ions in Ni-Al nanocrystalline films studied by X-ray absorption spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 454-457.	2.0	6
532	Electronic structure of CeCo ₂ thin films studied by X-ray absorption spectroscopy. <i>Physica B: Condensed Matter</i> , 2008, 403, 854-855.	1.3	0
533	Structural and surface characteristics of room temperature and low temperature swift heavy ion implanted InAs and InSb wafers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1723-1728.	0.6	1
534	Effect of swift heavy ion irradiation on hydrothermally synthesized hydroxyapatite ceramics. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 911-917.	0.6	24
535	Effect of 50MeV Li ³⁺ ion irradiation on electrical, optical and mechanical properties of 4,4'-dimethylbenzophenone. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 5032-5036.	0.6	13
536	Photoluminescence of Tris-(8-hydroxyquinoline)aluminum Thin Films and Influence of Swift Heavy Ion Irradiation. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 479-482.	1.9	1
537	Effect of swift heavy ion Ag ⁹⁺ irradiation on the surface morphology, structure and optical properties of AgGaS ₂ single crystals. <i>Semiconductor Science and Technology</i> , 2008, 23, 125042.	1.0	18
538	Comment on "Characterization of As-doped, p-type ZnO by x-ray absorption near-edge structure spectroscopy: Theory" [Appl. Phys. Lett. 89, 222113 (2006)]. <i>Applied Physics Letters</i> , 2008, 92, 236101.	1.5	7
539	High energy irradiation—a tool for enhancing the bioactivity of Hydroxyapatite. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 320-324.	0.5	36
540	Electronic Structure of Mn-Doped ZnO Studied by Using X-ray Absorption Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2008, 53, 2821-2825.	0.3	8

#	ARTICLE	IF	CITATIONS
541	Study of the effect of SHI irradiation on nanocrystalline vacancy doped (La,Sr)(Mn,Fe)O system and its comparison with hydrostatic pressure using MÄssbauer spectroscopy. , 2008, , 313-318.		0
542	Electronic Structures of Hexagonal Manganites HoMnO3 Studied by X-ray Absorption Near-edge Structure. AIP Conference Proceedings, 2007, , .	0.3	1
543	Investigations on the 100 MeV Au7+ion irradiation of GaN. Semiconductor Science and Technology, 2007, 22, 511-516.	1.0	19
544	Anisotropic electronic structure in quasi-one-dimensional K0.3MoO3: An angle-dependent x-ray absorption study. Applied Physics Letters, 2007, 91, 022109.	1.5	10
545	Swift ion irradiation effects on L-threonine amino acid single crystals. Journal of Physics Condensed Matter, 2007, 19, 466108.	0.7	6
546	X-ray absorption and magnetic circular dichroism characterizations of Mn doped ZnO. Applied Physics Letters, 2007, 91, .	1.5	69
547	Investigations on the influence of 100ÂMeV O7+ion irradiation on the structural, surface morphology and optical studies of gallium nitride epilayers. Radiation Effects and Defects in Solids, 2007, 162, 229-236.	0.4	6
548	Effect of 80MeV Au8+ ions irradiation on CuInTe2 single crystals grown by CVT technique. Materials Science in Semiconductor Processing, 2007, 10, 252-257.	1.9	11
549	Swift heavy ion beam irradiation induced modifications in structural, morphological and optical properties of CdS thin films. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 236-242.	0.6	58
550	Magnetic and electronic properties of CeCo₂ studied by synchrotron radiation. Physica Status Solidi (B): Basic Research, 2007, 244, 4526-4529.	0.7	3
551	Effect of 80 MeV oxygen ion beam irradiation on the properties of CdTe thin films. Journal of Materials Science, 2007, 42, 6982-6988.	1.7	10
552	Influence of SHI irradiation on the structure and surface topography of CdTe thin films on flexible substrate. Journal of Materials Science: Materials in Electronics, 2007, 18, 1093-1098.	1.1	29
553	On the Study of the Atomic Structures of Nitrogen-Ion-Implanted InP. Journal of the Korean Physical Society, 2007, 51, 581-584.	0.3	2
554	Study on the Effect of Nitrogen-Ion Implantation in Semi-Insulating InP by Using Scanning Tunneling Microscopy. Journal of the Korean Physical Society, 2007, 51, 585-588.	0.3	0
555	Investigation of swift heavy ion irradiation effects in CdTe crystals. Journal Physics D: Applied Physics, 2006, 39, 2707-2710.	1.3	21
556	Characterization of As-doped, p-type ZnO by x-ray absorption near-edge structure spectroscopy. Applied Physics Letters, 2006, 88, 112103.	1.5	63
557	Variation of electronic structures of CeAl2 thin films with thickness studied by X-ray absorption near-edge structure spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2006, 152, 1-5.	0.8	4
558	Swift heavy ions irradiation studies on some ferrite nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 27-30.	0.6	36

#	ARTICLE	IF	CITATIONS
559	A study on swift ($\sim 1/4$ 100MeV) heavy (Si ⁸⁺) ion irradiated crystalline Si-solar cell. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 166-170.	0.6	8
560	Effect of swift heavy ions of silver and oxygen on GaN. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 145-148.	0.6	19
561	Electronic structure of CeAl ₂ thin films studied by X-ray absorption spectroscopy. Applied Surface Science, 2006, 252, 5372-5375.	3.1	0
562	Structural and photoluminescence properties of swift heavy ion irradiated CdS thin films. Solar Energy Materials and Solar Cells, 2006, 90, 2297-2304.	3.0	50
563	Electronic Structure of P-Doped ZnO Films with <i>n</i> -Type Conductivity. Journal of Nanoscience and Nanotechnology, 2006, 6, 3422-3425.	0.9	4
564	Swift heavy ion irradiation-induced modifications of tris-(8-hydroxyquinoline)aluminum thin films. Radiation Effects and Defects in Solids, 2006, 161, 695-700.	0.4	1
565	Comparison of electronic structures of orthorhombic and hexagonal manganites studied by X-ray absorption spectroscopy. Solid State Communications, 2005, 134, 821-826.	0.9	14
566	Electron- and Hole-Doping Effects in Manganites Studied by X-Ray Absorption Spectroscopy. Hyperfine Interactions, 2005, 160, 181-187.	0.2	1
567	X-ray absorption spectroscopic study on Ti/n-GaN. Physica Status Solidi A, 2005, 202, R161-R163.	1.7	1
568	Structural, electrical transport and x-ray absorption spectroscopy studies of LaFe _{1-x} Ni _x O ₃ ($x \in [0, 0.6]$). Journal of Applied Physics, 2005, 97, 093526.	1.1	49
569	Direct experimental evidence of hybridization of Pb states with O2p states in ferroelectric perovskite oxides. Applied Physics Letters, 2005, 87, 012103.	1.5	30
570	Electron- and Hole-Doping Effects in Manganites Studied by X-Ray Absorption Spectroscopy. , 2005, , 181-187.		0
571	Electron- and hole-doping effects on the electronic structure of manganite studied by x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2004, 16, 3791-3799.	0.7	39
572	The electronic structure of Ba _{1-x} Ca _x TiO ₃ probed by X-ray absorption spectroscopy. Journal of Solid State Chemistry, 2004, 177, 2639-2643.	1.4	23
573	Effect of the Ca content on the electronic structure of Pb _{1-x} Ca _x TiO ₃ perovskites. Applied Physics Letters, 2003, 83, 3311-3313.	1.5	39
574	Electronic structures of La _{0.7-x} Cs _x Ca _{0.3} MnO ₃ probed by X-ray absorption spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 185-189.	0.6	0
575	Studies on the nitrogen ion irradiation induced defects in n-GaAs by deep level transient spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2003, 212, 496-500.	0.6	4
576	X-ray absorption studies of RRhAl (R=La and Ce) compounds. Physica B: Condensed Matter, 2003, 325, 235-239.	1.3	5

#	ARTICLE	IF	CITATIONS
577	Nuclear science centre, New Delhi: A profile. Nuclear Physics News, 2003, 13, 4-9.	0.1	3
578	ELECTRONIC STRUCTURES OF La _{0.7} Ca _{0.3} MnO ₃ AND La _{0.7} Ce _{0.3} MnO ₃ BY X-RAY ABSORPTION SPECTROSCOPY. Surface Review and Letters, 2002, 09, 1053-1057.	0.5	14
579	Angle-dependent x-ray absorption spectroscopy study of Zn-doped GaN. Applied Physics Letters, 2002, 81, 3389-3391.	1.5	31
580	Study of ion beam mixing in C/Si multilayers by X-ray absorption spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 324-328.	0.6	10
581	Gray track formation in KTiOPO ₄ by swift ion irradiation. Journal of Applied Physics, 2001, 89, 6560-6562.	1.1	22
582	Electronic structure of oxidized Ni/Au contacts on p-GaN investigated by x-ray absorption spectroscopy. Applied Physics Letters, 2001, 78, 2718-2720.	1.5	10
583	Electronic structure of BaTiO ₃ by X-ray absorption spectroscopy. AIP Conference Proceedings, 2001, . .	0.3	0
584	Understanding electronic structure of Bi(Pb)â€“Srâ€“Caâ€“Cuâ€“O compounds by XANES. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 837-840.	0.8	4
585	X-ray absorption spectroscopy investigations on oxidized Ni/Au contacts top-GaN. Journal of Synchrotron Radiation, 2001, 8, 827-829.	1.0	1
586	X-ray absorption spectroscopy studies of Ba _{1-x} CaxTiO ₃ . Journal of Synchrotron Radiation, 2001, 8, 839-841.	1.0	24
587	Characterization of native oxide layers on amorphous Fe _{73.5} Si _{15.5} B ₇ Cu ₁ Nb ₃ before and after high-energy heavy ion irradiation by X-ray photoelectron spectroscopy (XPS). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 297, 105-110.	2.6	12
588	Electronic structures of Ba _{1-x} CaxTiO ₃ studied by x-ray absorption spectroscopy and theoretical calculation. Journal of Physics Condensed Matter, 2001, 13, 11087-11095.	0.7	37
589	Effect of heavy ion irradiation in RbKBrCl quaternary system: EPR study of radiation induced defects. Radiation Effects and Defects in Solids, 2001, 154, 141-149.	0.4	3
590	Understanding Metal-Insulator Transitions in the La(Sr)-Cu-O System. Physica Status Solidi (B): Basic Research, 2000, 218, 201-204.	0.7	0
591	Investigations on the annealing behavior of high-energy carbon irradiated Au/n-GaAs Schottky barrier diodes. Materials Science in Semiconductor Processing, 2000, 3, 195-199.	1.9	4
592	Study on the performance of Si-GaAs and Si-InP surface barrier detectors for alpha and gamma detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 454, 252-256.	0.7	19
593	Effects of energetic ions on barium strontium titanate crystals. Nuclear Instruments & Methods in Physics Research B, 2000, 170, 145-148.	0.6	5
594	Infrared spectroscopic investigation of some polymers and polymer blend films irradiated by a ²⁸ Si ion beam. Radiation Effects and Defects in Solids, 2000, 152, 57-66.	0.4	7

#	ARTICLE	IF	CITATIONS
595	Electrical and structural properties of the swift heavy ion irradiated Au/n-GaAs schottky barrier diodes. Radiation Effects and Defects in Solids, 2000, 152, 237-245.	0.4	1
596	¹² C ⁵⁺ radiation effects in SR-86 track recording polymer. Bulletin of Materials Science, 1999, 22, 791-795.	0.8	2
597	High energy heavy ion irradiation in semiconductors. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 105-109.	0.6	12
598	Infrared spectroscopic investigation of polymethyl methacrylate/polyvinyl chloride blend films irradiated by a ²⁸ Si ion beam. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 195-200.	0.6	3
599	Electrical characterisation of high energy ¹² C irradiated Au/n-GaAs Schottky Barrier Diodes. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 110-115.	0.6	26
600	Swift heavy ion-based materials science research at NSC. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 206-211.	0.6	23
601	Ni and Fe Dopant Sites in YBa ₂ Cu ₃ O _{7-δ} Identified by XPS. Physica Status Solidi (B): Basic Research, 1999, 215, 591-596.	0.7	2
602	Investigations of the Electrical and Structural Characteristics of 50 MeV ⁷ Li Implanted Si-InP. Physica Status Solidi A, 1998, 167, 157-163.	1.7	1
603	device characteristics on 100 MeV gold ions irradiation. Vacuum, 1997, 48, 965-967.	1.6	10
604	Effect of ²⁸ Si ion radiation on polymer blend. Vacuum, 1997, 48, 989-990.	1.6	3
605	Electret behaviour of ion irradiated polycarbonate and kapton-H polyimide films. Vacuum, 1997, 48, 995-997.	1.6	12
606	The role of electronic polarizability in oxide superconductors. Materials Letters, 1992, 14, 251-254.	1.3	0
607	Enhanced T _c in Sn-added Bi-2-1-2-2 superconductor. Materials Letters, 1992, 13, 1-6.	1.3	3
608	A new look at isotope effect in superconductors. Solid State Communications, 1991, 80, 51-57.	0.9	1
609	Swift Heavy Ion Irradiation Studies on the Transport in La _{0.8-x} Pr _{0.2} Sr _x MnO ₃ Manganite Films. Advanced Materials Research, 0, 665, 63-69.		11