P K Kulriya

List of Publications by Year
in descending order

144	2,404	186265	289244
papers	citations	28 h-index	40 g-index

148	148	148	2543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced room temperature ferromagnetism and green photoluminescence in Cu doped ZnO thin film synthesised by neutral beam sputtering. Scientific Reports, 2019, 9, 6675.	3.3	86
2	Controlled growth of gold nanoparticles induced by ion irradiation: An in situ x-ray diffraction study. Applied Physics Letters, 2007, 90, 073110.	3.3	79
3	Highly selective and reversible NO₂ gas sensor using vertically aligned MoS₂ flake networks. Nanotechnology, 2018, 29, 464001.	2.6	79
4	Structural evolution of TiO2 nanocrystalline thin films by thermal annealing and swift heavy ion irradiation. Journal of Applied Physics, 2009, 105, .	2.5	72
5	Radiation-Resistant Behavior of Poly(vinylidene fluoride)/Layered Silicate Nanocomposites. ACS Applied Materials & Interfaces, 2009, 1, 311-318.	8.0	64
6	Study of optical band gap, carbonaceous clusters and structuring in CR-39 and PET polymers irradiated by 100MeV O7+ ions. Physica B: Condensed Matter, 2009, 404, 26-30.	2.7	58
7	Hydrogen induced lattice expansion and crystallinity degradation in palladium nanoparticles: Effect of hydrogen concentration, pressure, and temperature. Journal of Applied Physics, 2009, 106, .	2.5	55
8	Structural, optical and magnetic properties of Zn 1â^'x Co x O prepared by the solâ€“gel route. Ceramics International, 2013, 39, 6077-6085.	4.8	52
9	Study of optical, structural and chemical properties of neutron irradiated PADC film. Vacuum, 2011, 86, 275-279.	3.5	51
10	Effect of grain size and microstructure on radiation stability of CeO₂: an extensive study. Physical Chemistry Chemical Physics, 2014, 16, 27065-27073.	2.8	49
11	Blue-Shifted SPR of Au Nanoparticles with Ordering of Carbon by Dense Ionization and Thermal Treatment. Plasmonics, 2013, 8, 295-305.	3.4	46
12	Structural transformations and physical properties of (1â€‰â€‰â^'â€‰â€‰x) Na_{0.5}Bi_{0.5}TiO₃â€‰â€‰â^'â€‰â€‰x BaTiO₃ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401.	2.8	45
13	Micro-Raman study on the softening and stiffening of phonons in rutile titanium dioxide film: Competing effects of structural defects, crystallite size, and lattice strain. Journal of Applied Physics, 2014, 115, .	2.5	44
14	Poly(Vinylidene fluoride-co-hexafluoro propylene)/Layered Silicate Nanocomposites: The Effect of Swift Heavy Ion. Journal of Physical Chemistry B, 2009, 113, 11632-11641.	2.6	41
15	Enhancement of wettability and antibiotic loading/release of hydroxyapatite thin film modified by 100MeV Ag7+ ion irradiation. Materials Chemistry and Physics, 2012, 134, 464-477.	4.0	41
16	Defect-free ZnO nanorods for low temperature hydrogen sensor applications. Applied Physics Letters, 2014, 105, .	3.3	39
17	Evidence of room temperature ferromagnetism in argon/oxygen annealed TiO2 thin films deposited by electron beam evaporation technique. Journal of Magnetism and Magnetic Materials, 2014, 355, 240-245.	2.3	39
18	Origin of swift heavy ion induced stress in textured ZnO thin films: An in situ X-ray diffraction study. Solid State Communications, 2010, 150, 1751-1754.	1.9	36

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19	Probing the temperature effects in the radiation stability of Nd2Zr2O7 pyrochlore under swift ion irradiation. Materialia, 2019, 6, 100317.	2.7	36
20	Radiation stability of Gd2Zr2O7: Effect of stoichiometry and structure. Ceramics International, 2016, 42, 103-109.	4.8	35
21	Setup for in situ x-ray diffraction study of swift heavy ion irradiated materials. Review of Scientific Instruments, 2007, 78, 113901.	1.3	34
22	A comparative study of the effect of O⁺⁷ion beam on polypyrrole and CR-39 (DOP) polymers. Journal Physics D: Applied Physics, 2008, 41, 115411.	2.8	34
23	Swift heavy ion induced structural changes in CdS thin films possessing different microstructures: A comparative study. Journal of Applied Physics, 2009, 106, 023508.	2.5	34
24	Structural phase transformation in ZnS nanocrystalline thin films by swift heavy ion irradiation. Solid State Communications, 2010, 150, 1158-1161.	1.9	34
25	Dielectric/ferroelectric properties of ferroelectric ceramic dispersed poly(vinylidene fluoride) with enhanced Î²-phase formation. Materials Chemistry and Physics, 2019, 230, 221-230.	4.0	34
26	Shape elongation of Zn nanoparticles in silica irradiated with swift heavy ions of different species and energies: scaling law and some insights on the elongation mechanism. Nanotechnology, 2014, 25, 435301.	2.6	32
27	200 MeV silver ion irradiation induced structural modification in YBa2Cu3O7âˆ’y thin films at 89 K: An in situ x-ray diffraction study. Journal of Applied Physics, 2009, 106, 053912.	2.5	30
28	Enhancement of ferromagnetism in Pd nanoparticle by swift heavy ion irradiation. Applied Physics Letters, 2010, 96, 053103.	3.3	28
29	Influence of grain growth on the structural properties of the nanocrystalline Gd2Ti2O7. Journal of Nuclear Materials, 2017, 487, 373-379.	2.7	27
30	Evolution and tailoring of plasmonic properties in Ag:ZrO2 nanocomposite films by swift heavy ion irradiation. Journal of Applied Physics, 2011, 109, 044311-044311-6.	2.5	26
31	Effect of swift heavy ion irradiation on hydrothermally synthesized hydroxyapatite ceramics. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 911-917.	1.4	24
32	Structural assessment and irradiation response of La2Zr2O7 pyrochlore: Impact of irradiation temperature and ion fluence. Journal of Alloys and Compounds, 2021, 862, 158556.	5.5	23
33	Swift heavy ion irradiation induced modification of BiFeO3 thin films prepared by sol-gel method. Indian Journal of Physics, 2010, 84, 1315-1320.	1.8	22
34	Atomistic modeling and experimental studies of radiation damage in monazite-type LaPO4 ceramics. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 54-58.	1.4	22
35	Structural and compositional effects on the electronic excitation induced phase transformations in Gd2Ti2-yZryO7 pyrochlore. Journal of Nuclear Materials, 2020, 539, 152278.	2.7	21
36	Electrical and spectroscopic characterization of p-toluene sulfonic acid doped poly(o-toluidine) and poly(o-toluidine) blends. Physica B: Condensed Matter, 2007, 392, 259-265.	2.7	20

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37	Structural and chemical modification of polymer composite by proton irradiation. Surface and Coatings Technology, 2009, 203, 2595-2599.	4.8	20
38	Room temperature ferromagnetism in solâ€“gel prepared Co-doped ZnO. Materials Science in Semiconductor Processing, 2012, 15, 314-318.	4.0	20
39	Temperature dependent electrical transport studies of self-aligned ZnO nanorods/Si heterostructures deposited by sputtering. Journal of Applied Physics, 2014, 115, .	2.5	20
40	Synthesis of nanodimensional TiO2 thin films using energetic ion beam. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1343-1348.	1.4	19
41	Investigating the effect of material microstructure and irradiation temperature on the radiation tolerance of yttria stabilized zirconia against high energy heavy ions. Journal of Applied Physics, 2019, 125, .	2.5	19
42	Study of the damage produced in K[CS(NH2)2]4Br â€“ A non-linear optical single crystal by swift heavy ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 675-682.	1.4	18
43	Positron annihilation lifetime measurement and X-ray analysis on 120ÂMeV Au +7 irradiated polycrystalline tungsten. Journal of Nuclear Materials, 2015, 467, 406-412.	2.7	18
44	Swift heavy ion irradiated spinel ferrite: A cheap radiation resistant material. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 235-241.	1.4	18
45	Phase dependent radiation hardness and performance analysis of amorphous and polycrystalline Ga2O3 solar-blind photodetector against swift heavy ion irradiation. Journal of Applied Physics, 2020, 128, .	2.5	18
46	Structural, dielectric and electrical properties of pyrochlore-type Gd2Zr2O7 ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 21959-21970.	2.2	18
47	Swift heavy ion induced structural modifications in indium oxide films. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3335-3339.	1.4	17
48	Enhanced hydrogenation and reduced lattice distortion in size selected Pd-Ag and Pd-Cu alloy nanoparticles. Applied Physics Letters, 2013, 103, 173107.	3.3	17
49	Probing the Short-Range Ordering of Ion Irradiated Gd2Ti2-yZryO7 (0.0 â‰¤ y â‰¤ 2.0) Pyrochlore under Electronic Stopping Regime. Journal of Nuclear Materials, 2022, 564, 153682.	2.7	17
50	Study of modifications in Lexan polycarbonate induced by swift O6+ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1813-1817.	1.4	16
51	Swift heavy ion induced optical and structural modifications in RF sputtered nanocrystalline ZnO thin film. Indian Journal of Physics, 2017, 91, 547-554.	1.8	16
52	Evidence of improved tolerance to electronic excitation in nanostructured Nd2Zr2O7. Journal of Applied Physics, 2021, 129, .	2.5	16
53	Modification of polymer composite films using 120MeV Ni10+ ions. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1775-1779.	1.4	15
54	In-situ high temperature irradiation setup for temperature dependent structural studies of materials under swift heavy ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2015, 342, 98-103.	1.4	15

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55	Effects of 50 MeV Si ion irradiation on nonlinear optical benzimidazole single crystals. Crystal Research and Technology, 2007, 42, 1376-1381.	1.3	14
56	Ge nanocrystals embedded in a GeOx matrix formed by thermally annealing of Ge oxide films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 731-733.	2.1	14
57	Investigations of atomic disorder and grain growth kinetics in polycrystalline La2Zr2O7. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	14
58	Atomic order-disorder engineering in the La2Zr2O7 pyrochlore under low energy ion irradiation. Ceramics International, 2021, 47, 20248-20259.	4.8	14
59	Physically and chemically modified polycarbonate by metal ion implantation. Advances in Polymer Technology, 2008, 27, 143-151.	1.7	13
60	On the role of microstructure in determining the energy relaxation processes of swift heavy ions in CdTe thin films. Journal Physics D: Applied Physics, 2008, 41, 105113.	2.8	13
61	Effect of sputter deposited Zn precursor film thickness and annealing time on the properties of Cu2ZnSnS4 thin films deposited by sequential reactive sputtering of metal targets. Materials Science in Semiconductor Processing, 2016, 52, 38-45.	4.0	13
62	Aluminum induced crystallization of amorphous Si: Thermal annealing and ion irradiation process. Journal of Non-Crystalline Solids, 2019, 523, 119628.	3.1	13
63	A comparative study of the structural, optical, magnetic and magnetocaloric properties of HoCrO3 and HoCr0.85Mn0.15O3 orthochromites. Ceramics International, 2021, 47, 7386-7397.	4.8	13
64	Structural studies of Ge nanocrystals embedded in SiO2 matrix. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 249-253.	1.4	12
65	Formation of ZnTe by stacked elemental layer method. Applied Surface Science, 2008, 255, 2143-2148.	6.1	12
66	AC Electrical and Structural Properties of Polymethylmethacrylate/Aluminum Composites. Journal of Composite Materials, 2010, 44, 3165-3178.	2.4	12
67	125MeV Si9+ ion irradiation of calcium phosphate thin film coated by rf-magnetron sputtering technique. Applied Surface Science, 2011, 257, 2134-2141.	6.1	12
68	Effect of swift heavy ion irradiation on structural and opto-electrical properties of bi-layer CdSâ€“Bi2S3 thin films prepared by solution growth technique at room temperature. Radiation Physics and Chemistry, 2015, 106, 193-198.	2.8	12
69	Improvement in the Sensing Response of Nano-Crystalline ZnO-Based Hydrogen Sensor: Effect of Swift Heavy Ion Irradiation. IEEE Sensors Journal, 2016, 16, 7586-7592.	4.7	12
70	Reduction and structural modification of zirconolite on He+ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 119-125.	1.4	12
71	Influence of fractal and multifractal morphology on the wettability and reflectivity of crystalline-Si thin film surfaces as photon absorber layers for solar cell. Journal of Applied Physics, 2021, 129, .	2.5	12
72	Optical studies of SHI Irradiated poly(o-toluidine)-PVC blends. EPJ Applied Physics, 2007, 39, 251-255.	0.7	11

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73	Interaction of oxygen (O+7) ion beam on polyaniline thin films. Indian Journal of Physics, 2009, 83, 943-947.	1.8	11
74	Study of swift heavy ion irradiation effect on indium tin oxide coated electrode for the dye-sensitized solar cell application. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3223-3226.	1.4	11
75	Evaluation of tungsten as divertor plasma-facing material: results from ion irradiation experiments and computer simulations. Nuclear Fusion, 2019, 59, 076034.	3.5	11
76	Temperature, pressure, and size dependence of Pd-H interaction in size selected Pd-Ag and Pd-Cu alloy nanoparticles: In-situ X-ray diffraction studies. Journal of Applied Physics, 2014, 115, 114308.	2.5	10
77	Effect Of Irradiation Of Si5+ÂÂion On Fe Doped Hydroxyapatite. Advanced Materials Letters, 2013, 4, 438-443.	0.6	10
78	Swift heavy ion induced effects at Mo/Si interface and silicide formation. Surface and Interface Analysis, 2009, 41, 746-752.	1.8	9
79	Swift heavy ion induced phase transition in CdTe films deposited by spray pyrolysis in presence of electric field. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2480-2483.	1.4	9
80	Synthesis of Ge nanocrystals by atom beam sputtering and subsequent rapid thermal annealing. Solid State Communications, 2010, 150, 2122-2126.	1.9	9
81	Enhanced Hydrogenation Properties of Size Selected Pdâ€“C Coreâ€“Shell Nanoparticles; Effect of Carbon Shell Thickness. Journal of Physical Chemistry C, 2015, 119, 14455-14460.	3.1	9
82	Phaseâ€dependent radiationâ€resistant behavior of BaTiO₃: An inÂsitu Xâ€ray diffraction study. Journal of the American Ceramic Society, 2017, 100, 4263-4269.	3.8	9
83	Structural response of Nd-stabilized zirconia and its composite under extreme conditions of swift heavy ion irradiation. Journal of Nuclear Materials, 2018, 499, 216-224.	2.7	9
84	Effects of MeV ions on physicochemical and dielectric properties of chitosan/PEO polymeric blend. Nuclear Instruments & Methods in Physics Research B, 2019, 447, 68-78.	1.4	9
85	An assessment on crystallization phenomena of Si in Al/a-Si thin films via thermal annealing and ion irradiation. RSC Advances, 2020, 10, 4414-4426.	3.6	9
86	Effects of 60MeV C5+ ion irradiation on PmTâ€“PVC and p-TSA doped PoTâ€“PVC blends. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1685-1691.	1.4	8
87	Swift heavy ion induced structural modifications in zircon and scheelite phases of ThGeO4. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 42-48.	1.4	8
88	Effect of 50ÂMeV Li⁺³Ion Beam Irradiation on Thermomechanical Properties of PMMA/PC Blend Films. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 59, 873-890.	3.4	8
89	Giant enhancement in ferromagnetic properties of Pd nanoparticle induced by intentionally created defects. Journal of Applied Physics, 2012, 112, 014318.	2.5	8
90	In situ X-ray diffraction study of the growth of silver nanoparticles embedded in silica film by ion irradiation: The effect of volume fraction. Nuclear Instruments & Methods in Physics Research B, 2013, 311, 5-9.	1.4	8

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91	Modification of photosensing property of CdSâ€“Bi2S3 bi-layer by thermal annealing and swift heavy ion irradiation. Materials Chemistry and Physics, 2016, 169, 6-12.	4.0	8
92	Tuning of mechanical and structural properties of 20ÂMC 5 steel using N ion implantation and subsequent annealing. Journal of Alloys and Compounds, 2017, 710, 253-259.	5.5	8
93	Liquid phase epitaxial growth of IIâ€“V semiconductor compound Zn3As2. Journal Physics D: Applied Physics, 2007, 40, 5071-5074.	2.8	7
94	Modification of structural and magnetic properties of soft magnetic multi-component metallic glass by 80 MeV 16O6+ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 242-245.	1.4	7
95	Probing swift heavy ion irradiation damage in Nd-doped zirconolite. Nuclear Instruments & Methods in Physics Research B, 2019, 453, 22-27.	1.4	7
96	Phase analysis and reduction behaviour of Ce dopant in zirconolite. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 183-192.	1.5	7
97	Enhanced functional properties of soft polymerâ€“ceramic composites by swift heavy ion irradiation. Physical Chemistry Chemical Physics, 2019, 21, 24629-24642.	2.8	7
98	Structural and electronic-structure investigations of defects in Cu-ion-implanted SnO2 thin films. Vacuum, 2020, 179, 109481.	3.5	7
99	Insights into the Effect of Particle Size on the Low Energy Radiation Response of Ceria. Journal of Physical Chemistry C, 2020, 124, 15489-15499.	3.1	7
100	Interfacial Mixing In Te/Bi Thin Film System. Advanced Materials Letters, 2014, 5, 223-228.	0.6	7
101	Study of 1.5keV Ar atoms beam induced ripple formation on Si surface by atomic force microscopy. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 95-99.	1.4	6
102	Swift ion irradiation effects on L-threonine amino acid single crystals. Journal of Physics Condensed Matter, 2007, 19, 466108.	1.8	6
103	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.	1.2	6
104	100â€‰MeV Ag ions irradiation effects on the optical properties of Ag_{0.10}(Ge_{0.20}Se_{0.80})_{0.90} thin films. Journal Physics D: Applied Physics, 2010, 43, 095302.	2.8	6
105	In situx-ray reflectivity study of swift heavy ion induced interface modification in a W/Si multilayer x-ray mirror. Journal Physics D: Applied Physics, 2015, 48, 015305.	2.8	6
106	Crystallization of Ge in ion-irradiated amorphous-Ge/Au thin films. CrystEngComm, 2020, 22, 666-677.	2.6	6
107	Functionalization of industrial polypropylene films via the swift-heavy-ion-induced grafting of glycidyl methacrylate. Journal of Applied Polymer Science, 2007, 105, 3578-3587.	2.6	5
108	Cognitions on the effects of swift heavy ion irradiation on the dielectric and optical behaviour in l-asparaginium picrate. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 698-704.	1.4	5

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109	Studies on structural, optical and cluster size of poly(m-toluidine)â€“polyvinyl chloride blends. Radiation Effects and Defects in Solids, 2009, 164, 162-169.	1.2	5
110	Nanoparticle-Induced Biodegradation of Poly(<I>Îµ</I>-caprolactone). Nanoscience and Nanotechnology Letters, 2009, 1, 52-56.	0.4	5
111	SHI induced modification in structural, optical, dielectric and thermal properties of poly ethylene oxide films. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 156-161.	1.4	5
112	Analysis of the carrier conduction mechanism in 100â€¯MeV O7+ ion irradiated Ti/n-Si Schottky barrier structures. Nuclear Instruments & Methods in Physics Research B, 2019, 443, 43-47.	1.4	5
113	Effect of swift heavy ions irradiation on physicochemical and dielectric properties of chitosan and chitosan-Ag nanocomposites. Radiation Physics and Chemistry, 2021, 181, 109288.	2.8	5
114	Structural magnetic properties correlation in Ge doped frustrated Ho2Ti2O7 pyrochlore. Journal of Magnetism and Magnetic Materials, 2022, 561, 169694.	2.3	5
115	Irradiation effects on sodium sulphanilate dihydrate single crystals. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1754-1758.	1.4	4
116	Radiation-induced modification of organometallic compound dispersed polymer composites. Radiation Effects and Defects in Solids, 2008, 163, 169-177.	1.2	4
117	Hydrogen pressure dependent in-situ electrical studies on Pd/C nano-composite. International Journal of Hydrogen Energy, 2017, 42, 3399-3406.	7.1	4
118	Modification in the properties of SnO2 and TiO2 nanocomposite thin films by low energy ion irradiation. Integrated Ferroelectrics, 2018, 193, 88-99.	0.7	4
119	Evidence of diamond-like carbon phase formation due to 80â€ŠkeV Xe + ion impact on pencil-lead graphitic systems with oblique angle incidence. Europhysics Letters, 2019, 125, 36003.	2.0	4
120	Structural investigation of Nd-zirconolite irradiated with He+ ions. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 1413-1418.	1.5	4
121	Structural and electronic behavior of yttrium doped zirconolite ceramic; a potential waste form for burning minor actinides. Physica Scripta, 2022, 97, 075806.	2.5	4
122	60-MeV C5+ion irradiation effects on conducting poly (o-toluidine)â€“poly vinyl chloride blend films. Radiation Effects and Defects in Solids, 2008, 163, 115-122.	1.2	3
123	Effects of irradiation on the electrochemical behavior of the alloy Ti60Ni40. Journal of Alloys and Compounds, 2010, 503, 192-193.	5.5	3
124	Effect of Heavy Mass Ion (Gold) and Light Mass Ion (Boron) Irradiation on Microstructure of Tungsten. Microscopy and Microanalysis, 2019, 25, 1442-1448.	0.4	3
125	Investigation of graphene oxide-hydrogen interaction using in-situ X-ray diffraction studies. International Journal of Hydrogen Energy, 2018, 43, 13339-13347.	7.1	2
126	Evolution of SPR in 120ÂMeV silver ion irradiated Cu (18%) C60 nanocomposites thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 8301-8311.	2.2	2

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127	In-situ study of electrical transport in Pd/n-Si under high energy ion irradiation. Semiconductor Science and Technology, 2020, 35, 085004.	2.0	2
128	In-Situ X-Ray Diffraction Study of the Evolution of NiO Microstructure Under 120 MeV Au Ion Irradiation. Advanced Science Letters, 2014, 20, 607-611.	0.2	2
129	Structural and surface characteristics of room temperature and low temperature swift heavy ion implanted InAs and InSb wafers. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1723-1728.	1.4	1
130	Ion beam induced effects on the ferromagnetism in Pd nanoparticles. , 2012, , .		1
131	Ion velocity dependence of mixing in Bi/Te bilayer. Indian Journal of Physics, 2014, 88, 1163-1167.	1.8	1
132	Swift heavy ion induced crystallographic tilt and site-disorder in epitaxial magneto-electric GaFeO3 thin films. Journal Physics D: Applied Physics, 2015, 48, 375001.	2.8	1
133	Exchange bias and anisotropy analysis of nano-composite Co 84 Zr 16 N thin films. Journal of Magnetism and Magnetic Materials, 2015, 378, 164-169.	2.3	1
134	Photoluminescence Quenching and Photo-Induced Charge Transfer Processes in Poly(3-octylthiophene) Polymer Based Hybrid Nano-composites by Ion Irradiation for Possible Optoelectronic Applications. Journal of Electronic Materials, 2021, 50, 85-99.	2.2	1
135	Waste loading capability of zirconolite â€" A review. AIP Conference Proceedings, 2021, , .	0.4	1
136	Hydrogen induced structural modifications in size selected Pd-Carbon core-shell NPs: Effect of carbon shell thickness, size and pressure. International Journal of Hydrogen Energy, 2022, 47, 12642-12652.	7.1	1
137	Grafting of glycidyl methacrylate onto swiftâ€nickelâ€ions irradiated polypropylene films using chemical initiator. Polymer Engineering and Science, 2009, 49, 881-888.	3.1	0
138	Optical Properties of SHI Irradiated a-(Ge[sub 0.20]Se[sub 0.80])[sub 0.90]Ag[sub 0.10] Thin Films. , 2011, , .		0
139	Effect of swift Li3+ ions irradiation on magnetic properties of Ce(Fe0.95Si0.05)2. AIP Conference Proceedings, 2015, , .	0.4	0
140	Observable Vibronic Modes, Visible Luminescence, and Dewetting Response Mediated via Increased Roughness due to Splitting of WS 2 Nanosheets by Energetic Xe + Ions. Physica Status Solidi (B): Basic Research, 2020, 257, 1900546.	1.5	0
141	Effect of multiwall carbon nanotubes on photo catalytic activity of CdS nanocrystals. Materials Today: Proceedings, 2021, 38, 1218-1221.	1.8	0
142	Growth of Î²-Ga2O3 thin filmsby e-beam evaporation. AIP Conference Proceedings, 2020, , .	0.4	0
143	Localized Surface Plasmon Resonance Studies on Pd/C Nano-Composite System: Effect of Metal Concentration and Annealing Temperature. Journal of Nanoscience and Nanotechnology, 2020, 20, 3859-3865.	0.9	0
144	Conductivity and Structure Correlation in Gd2Zr2O7 Pyrochlore for Oxide Fuel Cell Technology. Springer Proceedings in Physics, 2022, , 211-219.	0.2	0