

P K Kulriya

List of Publications by Year in descending order

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144
papers

2,404
citations

186265

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289244

40
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148
all docs

148
docs citations

148
times ranked

2543
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductivity and Structure Correlation in Gd ₂ Zr ₂ O ₇ Pyrochlore for Oxide Fuel Cell Technology. Springer Proceedings in Physics, 2022, , 211-219.	0.2	0
2	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
3	Probing the Short-Range Ordering of Ion Irradiated Gd ₂ Ti ₂ -yZr _y O ₇ (0.0 ≤ y ≤ 2.0) Pyrochlore under Electronic Stopping Regime. Journal of Nuclear Materials, 2022, 564, 153682.	2.7	17
4	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
5	Structural magnetic properties correlation in Ge doped frustrated Ho ₂ Ti ₂ O ₇ pyrochlore. Journal of Magnetism and Magnetic Materials, 2022, 561, 169694.	2.3	5
6	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
7	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
8	Effect of multiwall carbon nanotubes on photo catalytic activity of CdS nanocrystals. Materials Today: Proceedings, 2021, 38, 1218-1221.	1.8	0
9	A comparative study of the structural, optical, magnetic and magnetocaloric properties of HoCrO ₃ and HoCr _{0.85} Mn _{0.15} O ₃ orthochromites. Ceramics International, 2021, 47, 7386-7397.	4.8	13
10	Evidence of improved tolerance to electronic excitation in nanostructured Nd ₂ Zr ₂ O ₇ . Journal of Applied Physics, 2021, 129, .	2.5	16
11	Structural assessment and irradiation response of La ₂ Zr ₂ O ₇ pyrochlore: Impact of irradiation temperature and ion fluence. Journal of Alloys and Compounds, 2021, 862, 158556.	5.5	23
12	Atomic order-disorder engineering in the La ₂ Zr ₂ O ₇ pyrochlore under low energy ion irradiation. Ceramics International, 2021, 47, 20248-20259.	4.8	14
13	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
14	Waste loading capability of zirconolite “A” A review. AIP Conference Proceedings, 2021, , .	0.4	1
15	Structural investigation of Nd-zirconolite irradiated with He ⁺ ions. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 1413-1418.	1.5	4
16	Crystallization of Ge in ion-irradiated amorphous-Ge/Au thin films. CrystEngComm, 2020, 22, 666-677.	2.6	6
17	Phase dependent radiation hardness and performance analysis of amorphous and polycrystalline Ga ₂ O ₃ solar-blind photodetector against swift heavy ion irradiation. Journal of Applied Physics, 2020, 128, .	2.5	18
18	Structural, dielectric and electrical properties of pyrochlore-type Gd ₂ Zr ₂ O ₇ ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 21959-21970.	2.2	18

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19	In-situ study of electrical transport in Pd/n-Si under high energy ion irradiation. <i>Semiconductor Science and Technology</i> , 2020, 35, 085004.	2.0	2
20	Observable Vibronic Modes, Visible Luminescence, and Dewetting Response Mediated via Increased Roughness due to Splitting of WS ₂ Nanosheets by Energetic Xe ⁺ Ions. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900546.	1.5	0
21	Structural and electronic-structure investigations of defects in Cu-ion-implanted SnO ₂ thin films. <i>Vacuum</i> , 2020, 179, 109481.	3.5	7
22	Insights into the Effect of Particle Size on the Low Energy Radiation Response of Ceria. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15489-15499.	3.1	7
23	Structural and compositional effects on the electronic excitation induced phase transformations in Gd ₂ Ti ₂ -yZr _y O ₇ pyrochlore. <i>Journal of Nuclear Materials</i> , 2020, 539, 152278.	2.7	21
24	An assessment on crystallization phenomena of Si in Al/a-Si thin films via thermal annealing and ion irradiation. <i>RSC Advances</i> , 2020, 10, 4414-4426.	3.6	9
25	Growth of ¹²⁵ I-Ga ₂ O ₃ thin films by e-beam evaporation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
26	Localized Surface Plasmon Resonance Studies on Pd/C Nano-Composite System: Effect of Metal Concentration and Annealing Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3859-3865.	0.9	0
27	Aluminum induced crystallization of amorphous Si: Thermal annealing and ion irradiation process. <i>Journal of Non-Crystalline Solids</i> , 2019, 523, 119628.	3.1	13
28	Effect of Heavy Mass Ion (Gold) and Light Mass Ion (Boron) Irradiation on Microstructure of Tungsten. <i>Microscopy and Microanalysis</i> , 2019, 25, 1442-1448.	0.4	3
29	Probing swift heavy ion irradiation damage in Nd-doped zirconolite. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 453, 22-27.	1.4	7
30	Investigations of atomic disorder and grain growth kinetics in polycrystalline La ₂ Zr ₂ O ₇ . <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	14
31	Phase analysis and reduction behaviour of Ce dopant in zirconolite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 183-192.	1.5	7
32	Enhanced room temperature ferromagnetism and green photoluminescence in Cu doped ZnO thin film synthesised by neutral beam sputtering. <i>Scientific Reports</i> , 2019, 9, 6675.	3.3	86
33	Evolution of SPR in 120 MeV silver ion irradiated Cu (18%) C ₆₀ nanocomposites thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8301-8311.	2.2	2
34	Dielectric/ferroelectric properties of ferroelectric ceramic dispersed poly(vinylidene fluoride) with enhanced β -phase formation. <i>Materials Chemistry and Physics</i> , 2019, 230, 221-230.	4.0	34
35	Investigating the effect of material microstructure and irradiation temperature on the radiation tolerance of yttria stabilized zirconia against high energy heavy ions. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	19
36	Effects of MeV ions on physicochemical and dielectric properties of chitosan/PEO polymeric blend. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 447, 68-78.	1.4	9

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37	Evaluation of tungsten as divertor plasma-facing material: results from ion irradiation experiments and computer simulations. Nuclear Fusion, 2019, 59, 076034.	3.5	11
38	Evidence of diamond-like carbon phase formation due to 80 keV Xe ⁺ ion impact on pencil-lead graphitic systems with oblique angle incidence. Europhysics Letters, 2019, 125, 36003.	2.0	4
39	Probing the temperature effects in the radiation stability of Nd ₂ Zr ₂ O ₇ pyrochlore under swift ion irradiation. Materialia, 2019, 6, 100317.	2.7	36
40	Analysis of the carrier conduction mechanism in 100 keV O ⁷⁺ ion irradiated Ti/n-Si Schottky barrier structures. Nuclear Instruments & Methods in Physics Research B, 2019, 443, 43-47.	1.4	5
41	Enhanced functional properties of soft polymer-ceramic composites by swift heavy ion irradiation. Physical Chemistry Chemical Physics, 2019, 21, 24629-24642.	2.8	7
42	Structural transformations and physical properties of (1-x)Na _{0.5} Bi _{0.5} TiO ₃ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401.	1.4	5
43	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
44	Modification in the properties of SnO ₂ and TiO ₂ nanocomposite thin films by low energy ion irradiation. Integrated Ferroelectrics, 2018, 193, 88-99.	0.7	4
45	Highly selective and reversible NO ₂ gas sensor using vertically aligned MoS ₂ flake networks. Nanotechnology, 2018, 29, 464001.	2.6	79
46	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
47	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
48	Tuning of mechanical and structural properties of 20MnCr5 steel using N ion implantation and subsequent annealing. Journal of Alloys and Compounds, 2017, 710, 253-259.	5.5	8
49	Influence of grain growth on the structural properties of the nanocrystalline Gd ₂ Ti ₂ O ₇ . Journal of Nuclear Materials, 2017, 487, 373-379.	2.7	27
50	Hydrogen pressure dependent in-situ electrical studies on Pd/C nano-composite. International Journal of Hydrogen Energy, 2017, 42, 3399-3406.	7.1	4
51	Phase-dependent radiation-resistant behavior of BaTiO ₃ : An in situ X-ray diffraction study. Journal of the American Ceramic Society, 2017, 100, 4263-4269.	3.8	9
52	Atomistic modeling and experimental studies of radiation damage in monazite-type LaPO ₄ ceramics. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 54-58.	1.4	22
53	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
54	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

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55	Reduction and structural modification of zirconolite on He+ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 379, 119-125.	1.4	12
56	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
57	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
58	Effect of sputter deposited Zn precursor film thickness and annealing time on the properties of Cu ₂ ZnSnS ₄ thin films deposited by sequential reactive sputtering of metal targets. Materials Science in Semiconductor Processing, 2016, 52, 38-45.	4.0	13
59	Modification of photosensing property of CdS/Bi ₂ S ₃ bi-layer by thermal annealing and swift heavy ion irradiation. Materials Chemistry and Physics, 2016, 169, 6-12.	4.0	8
60	Radiation stability of Gd ₂ Zr ₂ O ₇ : Effect of stoichiometry and structure. Ceramics International, 2016, 42, 103-109.	4.8	35
61	Effect of swift Li ³⁺ ions irradiation on magnetic properties of Ce(Fe _{0.95} Si _{0.05}) ₂ . AIP Conference Proceedings, 2015, , .	0.4	0
62	Swift heavy ion induced crystallographic tilt and site-disorder in epitaxial magneto-electric GaFeO ₃ thin films. Journal Physics D: Applied Physics, 2015, 48, 375001.	2.8	1
63	In situ x-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
64	Enhanced Hydrogenation Properties of Size Selected Pd@C Core@Shell Nanoparticles; Effect of Carbon Shell Thickness. Journal of Physical Chemistry C, 2015, 119, 14455-14460.	3.1	9
65	Positron annihilation lifetime measurement and X-ray analysis on 120 MeV Au +7 irradiated polycrystalline tungsten. Journal of Nuclear Materials, 2015, 467, 406-412.	2.7	18
66	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
67	Effect of swift heavy ion irradiation on structural and opto-electrical properties of bi-layer CdS/Bi ₂ S ₃ thin films prepared by solution growth technique at room temperature. Radiation Physics and Chemistry, 2015, 106, 193-198.	2.8	12
68	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
69	Ion velocity dependence of mixing in Bi/Te bilayer. Indian Journal of Physics, 2014, 88, 1163-1167.	1.8	1
70	Defect-free ZnO nanorods for low temperature hydrogen sensor applications. Applied Physics Letters, 2014, 105, .	3.3	39
71	Effect of grain size and microstructure on radiation stability of CeO ₂ : an extensive study. Physical Chemistry Chemical Physics, 2014, 16, 27065-27073.	2.8	49
72	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

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73	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
74	Temperature dependent electrical transport studies of self-aligned ZnO nanorods/Si heterostructures deposited by sputtering. Journal of Applied Physics, 2014, 115, .	2.5	20
75	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
76	Evidence of room temperature ferromagnetism in argon/oxygen annealed TiO ₂ thin films deposited by electron beam evaporation technique. Journal of Magnetism and Magnetic Materials, 2014, 355, 240-245.	2.3	39
77	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
78	Interfacial Mixing In Te/Bi Thin Film System. Advanced Materials Letters, 2014, 5, 223-228.	0.6	7
79	Blue-Shifted SPR of Au Nanoparticles with Ordering of Carbon by Dense Ionization and Thermal Treatment. Plasmonics, 2013, 8, 295-305.	3.4	46
80	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
81	Structural, optical and magnetic properties of Zn _{1-x} Co _x O prepared by the sol-gel route. Ceramics International, 2013, 39, 6077-6085.	4.8	52
82	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
83	Effect Of Irradiation Of Si ⁵⁺ ion On Fe Doped Hydroxyapatite. Advanced Materials Letters, 2013, 4, 438-443.	0.6	10
84	Ion beam induced effects on the ferromagnetism in Pd nanoparticles. , 2012, , .		1
85	Room temperature ferromagnetism in sol-gel prepared Co-doped ZnO. Materials Science in Semiconductor Processing, 2012, 15, 314-318.	4.0	20
86	Giant enhancement in ferromagnetic properties of Pd nanoparticle induced by intentionally created defects. Journal of Applied Physics, 2012, 112, 014318.	2.5	8
87	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.	4.0	41
88	Evolution and tailoring of plasmonic properties in Ag:ZrO ₂ nanocomposite films by swift heavy ion irradiation. Journal of Applied Physics, 2011, 109, 044311-044311-6.	2.5	26
89	Optical Properties of SHI Irradiated a-(Ge _{0.20} Se _{0.80})[_{0.90} Ag _{0.10}] Thin Films. , 2011, , .		0
90	Study of optical, structural and chemical properties of neutron irradiated PADC film. Vacuum, 2011, 86, 275-279.	3.5	51

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91	125MeV Si ⁹⁺ ion irradiation of calcium phosphate thin film coated by rf-magnetron sputtering technique. Applied Surface Science, 2011, 257, 2134-2141.	6.1	12
92	Swift heavy ion induced structural modifications in zircon and scheelite phases of ThGeO ₄ . Nuclear Instruments & Methods in Physics Research B, 2010, 268, 42-48.	1.4	8
93	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
94	Swift heavy ion irradiation induced modification of BiFeO ₃ thin films prepared by sol-gel method. Indian Journal of Physics, 2010, 84, 1315-1320.	1.8	22
95	Study of modifications in Lexan polycarbonate induced by swift O ₆₊ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1813-1817.	1.4	16
96	Swift heavy ion induced structural modifications in indium oxide films. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3335-3339.	1.4	17
97	Structural phase transformation in ZnS nanocrystalline thin films by swift heavy ion irradiation. Solid State Communications, 2010, 150, 1158-1161.	1.9	34
98	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
99	Synthesis of Ge nanocrystals by atom beam sputtering and subsequent rapid thermal annealing. Solid State Communications, 2010, 150, 2122-2126.	1.9	9
100	AC Electrical and Structural Properties of Polymethylmethacrylate/Aluminum Composites. Journal of Composite Materials, 2010, 44, 3165-3178.	2.4	12
101	Effect of 50 MeV Li ⁺³ Ion 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
102	Enhancement of ferromagnetism in Pd nanoparticle by swift heavy ion irradiation. Applied Physics Letters, 2010, 96, 053103.	3.3	28
103	100 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
104	Effects of irradiation on the electrochemical behavior of the alloy Ti ₆₀ Ni ₄₀ . Journal of Alloys and Compounds, 2010, 503, 192-193.	5.5	3
105	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
106	Studies on structural, optical and cluster size of poly(m-toluidine)-polyvinyl chloride blends. Radiation Effects and Defects in Solids, 2009, 164, 162-169.	1.2	5
107	Nanoparticle-Induced Biodegradation of Poly(ϵ -caprolactone). Nanoscience and Nanotechnology Letters, 2009, 1, 52-56.	0.4	5
108	Structural and chemical modification of polymer composite by proton irradiation. Surface and Coatings Technology, 2009, 203, 2595-2599.	4.8	20

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109	Interaction of oxygen (O ⁷⁺) ion beam on polyaniline thin films. <i>Indian Journal of Physics</i> , 2009, 83, 943-947.	1.8	11
110	Swift heavy ion induced effects at Mo/Si interface and silicide formation. <i>Surface and Interface Analysis</i> , 2009, 41, 746-752.	1.8	9
111	Grafting of glycidyl methacrylate onto swift heavy ion irradiated polypropylene films using chemical initiator. <i>Polymer Engineering and Science</i> , 2009, 49, 881-888.	3.1	0
112	Swift heavy ion induced phase transition in CdTe films deposited by spray pyrolysis in presence of electric field. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 2480-2483.	1.4	9
113	Study of optical band gap, carbonaceous clusters and structuring in CR-39 and PET polymers irradiated by 100MeV O ⁷⁺ ions. <i>Physica B: Condensed Matter</i> , 2009, 404, 26-30.	2.7	58
114	Poly(Vinylidene fluoride-co-hexafluoro propylene)/Layered Silicate Nanocomposites: The Effect of Swift Heavy Ion. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11632-11641.	2.6	41
115	Radiation-Resistant Behavior of Poly(vinylidene fluoride)/Layered Silicate Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 311-318.	8.0	64
116	Hydrogen induced lattice expansion and crystallinity degradation in palladium nanoparticles: Effect of hydrogen concentration, pressure, and temperature. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	55
117	Structural evolution of TiO ₂ nanocrystalline thin films by thermal annealing and swift heavy ion irradiation. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	72
118	200 MeV silver ion irradiation induced structural modification in YBa ₂ Cu ₃ O _{7-δ} thin films at 89 K: An in situ x-ray diffraction study. <i>Journal of Applied Physics</i> , 2009, 106, 053912.	2.5	30
119	Ge nanocrystals embedded in a GeO _x matrix formed by thermally annealing of Ge oxide films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 731-733.	2.1	14
120	Effects of 60MeV C ⁵⁺ ion irradiation on PmTâ€“PVC and p-TSA doped PoTâ€“PVC blends. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1685-1691.	1.4	8
121	Physically and chemically modified polycarbonate by metal ion implantation. <i>Advances in Polymer Technology</i> , 2008, 27, 143-151.	1.7	13
122	Formation of ZnTe by stacked elemental layer method. <i>Applied Surface Science</i> , 2008, 255, 2143-2148.	6.1	12
123	Synthesis of nanodimensional TiO ₂ thin films using energetic ion beam. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1343-1348.	1.4	19
124	Modification of polymer composite films using 120MeV Ni ¹⁰⁺ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1775-1779.	1.4	15
125	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.	1.4	1
126	Irradiation effects on sodium sulphanilate dihydrate single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1754-1758.	1.4	4

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127	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
128	60-MeV C ⁵⁺ 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
129	Radiation-induced modification of organometallic compound dispersed polymer composites. Radiation Effects and Defects in Solids, 2008, 163, 169-177.	1.2	4
130	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
131	A comparative study of the effect of O ⁺⁷ ion beam on polypyrrole and CR-39 (DOP) polymers. Journal Physics D: Applied Physics, 2008, 41, 115411.	2.8	34
132	Liquid phase epitaxial growth of IIâ€“V semiconductor compound Zn ₃ As ₂ . Journal Physics D: Applied Physics, 2007, 40, 5071-5074.	2.8	7
133	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
134	Swift ion irradiation effects on L-threonine amino acid single crystals. Journal of Physics Condensed Matter, 2007, 19, 466108.	1.8	6
135	Optical studies of SHI Irradiated poly(o-toluidine)-PVC blends. EPJ Applied Physics, 2007, 39, 251-255.	0.7	11
136	Investigations on the influence of 100ÂMeV O ⁷⁺ 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
137	Setup for in situ x-ray diffraction study of swift heavy ion irradiated materials. Review of Scientific Instruments, 2007, 78, 113901.	1.3	34
138	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
139	Effects of 50 MeV Si ion irradiation on nonlinear optical benzimidazole single crystals. Crystal Research and Technology, 2007, 42, 1376-1381.	1.3	14
140	Study of the damage produced in K[CS(NH ₂) ₂] ₄ Br 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
141	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
142	Structural studies of Ge nanocrystals embedded in SiO ₂ matrix. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 249-253.	1.4	12
143	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
144	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