Pushan Ayyub

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4513570/publications.pdf

Version: 2024-02-01

163 papers	5,456 citations	94433 37 h-index	95266 68 g-index
165 all docs	165 docs citations	165 times ranked	6317 citing authors

#	Article	IF	Citations
1	Size-induced diffuse phase transition in the nanocrystalline ferroelectricPbTiO3. Physical Review B, 1995, 52, 13177-13183.	3.2	355
2	Effect of crystal size reduction on lattice symmetry and cooperative properties. Physical Review B, 1995, 51, 6135-6138.	3.2	348
3	Effect of the size-induced structural transformation on the band gap in CdS nanoparticles. Journal of Physics Condensed Matter, 2000, 12, 10647-10654.	1.8	281
4	Preparation of nanoparticles of silver halides, superconductors and magnetic materials using water-in-oil microemulsions as nano-reactors. Advances in Colloid and Interface Science, 1995, 55, 241-269.	14.7	236
5	Size-induced structural phase transitions and hyperfine properties of microcrystalline Fe2O3. Journal of Physics C: Solid State Physics, 1988, 21, 2229-2245.	1.5	232
6	pn Heterojunctions in NiO:TiO2 composites with type-II band alignment assisting sunlight driven photocatalytic H2 generation. Applied Catalysis B: Environmental, 2018, 221, 443-458.	20.2	154
7	Size-induced structural transitions in the Cu-O and Ce-O systems. Physical Review B, 1996, 53, 2167-2170.	3.2	151
8	Mechanism of the Size Dependence of the Superconducting Transition of Nanostructured Nb. Physical Review Letters, 2005, 95, 147003.	7.8	133
9	Metal Nanoplasmas as Bright Sources of Hard X-Ray Pulses. Physical Review Letters, 2003, 90, 115002.	7.8	124
10	Spin-polarized tunneling in the half-metallic ferromagnetsLa0.7â^'xHoxSr0.3MnO3(x=0and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Tc	3.2	117
11	Synthesis of nanocrystalline material by sputtering and laser ablation at low temperatures. Applied Physics A: Materials Science and Processing, 2001, 73, 67-73.	2.3	109
12	Preparation of acicular Î³-Fe2O3 particles from a microemulsion-mediated reaction. Materials Letters, 1996, 26, 21-26.	2.6	105
13	Lattice expansion in nanocrystalline niobium thin films. Applied Physics Letters, 2003, 82, 4250-4252.	3.3	95
14	Influence of the sputtering gas on the preferred orientation of nanocrystalline titanium nitride thin films. Thin Solid Films, 2002, 405, 64-72.	1.8	92
15	Chemical Synthesis and Structural and Magnetic Properties of Dispersible Cobalt- and Nickel-Doped ZnO Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 3422-3430.	3.1	91
16	Ferroelectric behavior in thin films of antiferroelectric materials. Physical Review B, 1998, 57, R5559-R5562.	3.2	79
17	Photocatalytic Properties of One-Dimensional Nanostructured Titanates. Journal of Physical Chemistry C, 2010, 114, 9424-9430.	3.1	75
18	Observation of a hexagonal(4H)phase in nanocrystalline silver. Physical Review B, 2001, 64, .	3.2	67

#	Article	IF	Citations
19	Synthesis of crystalline carbon nitride thin films by laser processing at a liquidâ€“solid interface. Applied Physics Letters, 1996, 69, 3489-3491.	3.3	66
20	Upper critical field in nanostructured Nb: Competing effects of the reduction in density of states and the mean free path. Physical Review B, 2006, 74, .	3.2	66
21	Formation of theoretical-density microhomogeneous YBa2Cu3O7-Ï‡ using a microemulsion-mediated process. Physica C: Superconductivity and Its Applications, 1990, 168, 571-579.	1.2	65
22	Size dependence of the optical spectrum in nanocrystalline silver. Physical Review B, 2002, 65, .	3.2	64
23	Highly enhanced hard x-ray emission from oriented metal nanorod arrays excited by intense femtosecond laser pulses. Physical Review B, 2011, 83, .	3.2	63
24	Finite-size effects in antiferroelectric nanoparticles. Journal of Physics Condensed Matter, 1997, 9, 8135-8145.	1.8	58
25	A review of finite size effects in quasi-zero dimensional superconductors. Reports on Progress in Physics, 2014, 77, 116503.	20.1	55
26	Effect of Mo-Incorporation in the TiO₂ Lattice: A Mechanistic Basis for Photocatalytic Dye Degradation. Journal of Physical Chemistry C, 2014, 118, 15946-15962.	3.1	55
27	The role of surface O-vacancies in the photocatalytic oxidation of Methylene Blue by Zn-doped TiO 2 : A Mechanistic approach. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 345, 36-53.	3.9	55
28	Role of annealing conditions on the ferromagnetic and dielectric properties of La₂NiMnO₆. Journal of Materials Research, 2011, 26, 567-577.	2.6	54
29	Preparation and characterization of ultrafine TiO₂ particles in reverse micelles by hydrolysis of titanium di-ethylhexyl sulfosuccinate. Journal of Materials Research, 1998, 13, 1249-1254.	2.6	51
30	Vibrational spectroscopic study of ferroelectric SbNbO4, antiferroelectric BiNbO4, and their solid solutions. Physical Review B, 1986, 34, 8137-8140.	3.2	49
31	Nanoscale phase separation in amorphous immiscible copper-niobium alloy thin films. Applied Physics Letters, 2007, 90, 021904.	3.3	47
32	Optical properties of transparent nanocrystalline Cu2O thin films synthesized by high pressure gas sputtering. Scripta Materialia, 1999, 11, 505-512.	0.5	42
33	H-substituted anionic carbon clusters CnHâ^'â€Š(nâ©½10): Density functional studies and experimental observations. Journal of Chemical Physics, 2003, 119, 7705-7713.	3.0	42
34	Nanostructures, local fields, and enhanced absorption in intense lightâ€“matter interaction. Optics Letters, 2004, 29, 2662.	3.3	41
35	Universal, geometry-driven hydrophobic behaviour of bare metal nanowire clusters. Nanotechnology, 2008, 19, 075709.	2.6	40
36	Enhanced magnetization in cubic ferrimagnetic CuFe₂O₄nanoparticles synthesized from a citrate precursor: the role of Fe²⁺. Journal Physics D: Applied Physics, 2010, 43, 195004.	2.8	40

#	Article	IF	Citations
37	Structure and properties of nanocrystalline Ag and Cu 2 O synthesized by high pressure sputtering. Scripta Materialia, 2001, 44, 1915-1918.	5.2	39
38	Competing effects of surface phonon softening and quantum size effects on the superconducting properties of nanostructured Pb. Journal of Physics Condensed Matter, 2009, 21, 205702.	1.8	37
39	Preparation of ultrafine high density gamma ferric oxide using aerosol OT microemulsions and its characterization. Colloid and Polymer Science, 1995, 273, 939-946.	2.1	36
40	Synthesis and TEM study of nanoparticles and nanocrystalline thin films of silver by high pressure sputtering. Scripta Materialia, 1999, 11, 1171-1179.	0.5	36
41	Size induced metalâ€“insulator transition in nanostructured niobium thin films: intra-granular and inter-granular contributions. Journal of Physics Condensed Matter, 2006, 18, 4553-4566.	1.8	36
42	KTaO₃â€”The New Kid on the Spintronics Block. Advanced Materials, 2022, 34, e2106481.	21.0	36
43	Dielectric properties of oriented thin films of PbZrO3 on Si produced by pulsed laser ablation. Journal of Applied Physics, 1998, 83, 7808-7812.	2.5	35
44	Novel hexagonal polytypes of silver: growth, characterization and first-principles calculations. Journal of Physics Condensed Matter, 2011, 23, 325401.	1.8	34
45	Optical and Structural Properties of Sputter-Deposited Nanocrystalline Cu₂O Films: Effect of Sputtering Gas. Journal of Nanoscience and Nanotechnology, 2006, 6, 1119-1123.	0.9	32
46	Efficient Photocatalytic Degradation of Rhodamine B Dye by Aligned Arrays of Self-Assembled Hydrogen Titanate Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	31
47	A stable, quasi-2D modification of silver: optical, electronic, vibrational and mechanical properties, and first principles calculations. Journal of Physics Condensed Matter, 2014, 26, 025402.	1.8	31
48	Vibrational spectroscopic study of the semiorganic nonlinear optical crystal bis(thiourea)cadmium chloride. Journal of Raman Spectroscopy, 1997, 28, 779-784.	2.5	30
49	Structural, optical and electronic properties of nanocrystalline TiN films. Nanotechnology, 2005, 16, 3053-3056.	2.6	30
50	Hydrothermally Synthesized Aligned Arrays of Self-Assembled Multiwalled Hydrogen Titanate Nanotubes. Crystal Growth and Design, 2010, 10, 1215-1220.	3.0	30
51	Study of correlation of structural and surface properties with electrochemical behaviour in carbon aerogels. Journal of Materials Science, 2005, 40, 3777-3782.	3.7	29
52	Nanophase BaFe12O19 synthesized from a nonaqueous microemulsion with Ba- and Fe-containing surfactants. Journal of Materials Research, 1995, 10, 2689-2692.	2.6	28
53	Phase separation in immiscible silverâ€“copper alloy thin films. Journal of Materials Science, 2009, 44, 3393-3401.	3.7	28
54	Formation of Au0.6Ge0.4 alloy induced by Au-ion irradiation of Au/Ge bilayer. Journal of Applied Physics, 2003, 93, 903-906.	2.5	27

#	Article	IF	Citations
55	Microstructure of the CTABâ€“butanolâ€“octaneâ€“water microemulsion system: effect of dissolved salts. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3585-3589.	1.7	26
56	Influence of the Ar/N2 ratio on the preferred orientation and optical reflectance of reactively sputter deposited titanium nitride thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 310-317.	2.1	26
57	Influence of synthesis conditions on the nanostructure of immiscible copperâ€“silver alloy thin films. Scripta Materialia, 2008, 58, 842-845.	5.2	26
58	Fast ion beams from intense, femtosecond laser irradiated nanostructured surfaces. Applied Physics B: Lasers and Optics, 2007, 88, 167-173.	2.2	25
59	Photoluminescence enhancement in nanocomposite thin films of CdSâ€“ZnO. Journal of Applied Physics, 2005, 97, 104310.	2.5	24
60	Hot ion generation from nanostructured surfaces under intense femtosecond laser irradiation. Applied Physics Letters, 2007, 90, 141502.	3.3	24
61	Soft modes and grain size effects in ferroelectric ceramics. Ferroelectrics, 1983, 51, 137-141.	0.6	23
62	Size effects in microparticle high temperature superconducting ceramics YBa2Cu3O7-Î´ and Bi2CaSr2Cu2O8+y. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 142, 293-299.	2.1	22
63	Diamond nucleation at the organic liquid-metal interface by laser-induced reactive quenching. Materials Letters, 1993, 17, 42-48.	2.6	22
64	Nano-welding and junction formation in hydrogen titanate nanowires by low-energy nitrogen ion irradiation. Nanotechnology, 2015, 26, 235601.	2.6	21
65	In situ monitoring of electrical resistance of nanoferrite thin film irradiated by 190 MeV Au14+ ions. Nuclear Instruments & Methods in Physics Research B, 2003, 212, 510-515.	1.4	20
66	De-vitrification of nanoscale phase-separated amorphous thin films in the immiscible copperâ€“niobium system. Philosophical Magazine, 2014, 94, 1622-1641.	1.6	20
67	Formation of nitrogen-substituted carbon cluster anions by gas-feed Cs-sputtering from different forms of carbon. European Physical Journal D, 2001, 17, 221-229.	1.3	19
68	Chemical passivation of sputter-deposited nanocrystalline CdS thin films. Materials Letters, 2002, 54, 343-347.	2.6	19
69	Secondary recrystallization during sintering of YBa2Cu3O7â^'gd derived from water-in-oil microemulsion. Materials Letters, 1991, 10, 431-436.	2.6	18
70	Photoconductivity in sputter-deposited CdS and CdS-ZnO nanocomposite thin films. Journal of Physics Condensed Matter, 2002, 14, 281-286.	1.8	18
71	Hotter electrons and ions from nano-structured surfaces. Laser and Particle Beams, 2008, 26, 259-264.	1.0	18
72	Conjugation of cytochrome c with hydrogen titanate nanotubes: novel conformational state with implications for apoptosis. Nanotechnology, 2011, 22, 415705.	2.6	18

#	Article	IF	Citations
73	Preferential enhancement of laser-driven carbon ion acceleration from optimized nanostructured surfaces. Scientific Reports, 2015, 5, 11930.	3.3	18
74	Swift heavy ion irradiation induced damage creation in nanocrystalline Liâ€“Mg ferrite thin films. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 310-317.	1.4	17
75	Aligned Nanorod Arrays: Additive and Emergent Properties. Journal of Cluster Science, 2009, 20, 429-451.	3.3	17
76	Nanometer-scale sharpening and surface roughening of ZnO nanorods by argon ion bombardment. Applied Surface Science, 2012, 258, 7016-7020.	6.1	17
77	The nature of the structural phase transition from the hexagonal (4H) phase to the cubic (3C) phase of silver. Journal of Physics Condensed Matter, 2014, 26, 115405.	1.8	17
78	A Reduction in Particle Size Generally Causes Body-Centered-Cubic Metals to Expand but Face-Centered-Cubic Metals to Contract. ACS Nano, 2018, 12, 7246-7252.	14.6	17
79	Origin of luminescence in porous silicon. Solid State Communications, 1992, 84, 691-693.	1.9	16
80	Electronic structure of the 4H polytype of diamond. Journal of Physics Condensed Matter, 1996, 8, 5801-5809.	1.8	16
81	Antiresonant ring interferometry as a sensitive technique for measuring nonlinear optical properties of thin films. Optics Communications, 2004, 233, 297-304.	2.1	16
82	Coherence properties of the photoluminescence from CdSâ€“ZnO nanocomposite thin films. Journal of Physics Condensed Matter, 2005, 17, 189-197.	1.8	16
83	Fabrication of Vertically aligned Copper Nanotubes as a Novel Electrode for Enzymatic Biofuel Cells. Electrochimica Acta, 2015, 167, 213-218.	5.2	16
84	Evidence for the presence of remnant strain in greyâ€tracked KTiOPO4. Applied Physics Letters, 1995, 67, 2810-2812.	3.3	15
85	Laser absorption in short-lived metal and nanoplasmas. Applied Physics B: Lasers and Optics, 2005, 80, 1015-1019.	2.2	15
86	Array of Cu2O nano-columns fabricated by oblique angle sputter deposition and their application in photo-assisted proton reduction. Journal of Applied Physics, 2015, 117, 024303.	2.5	15
87	Proximity effect controlled superconducting behavior of novel biphasic Pbâ€“Sn nanoparticles embedded in an Al matrix. Acta Materialia, 2008, 56, 4522-4528.	7.9	14
88	Lattice Size Induced Moment Formation on Isolated Fe Atoms in Nanocrystalline Nb. Physical Review Letters, 2010, 105, 147203.	7.8	14
89	Field emission from hydrogen titanate nanotubes. Applied Physics Letters, 2011, 99, .	3.3	14
90	Anomalous behaviour of the magnetic hyperfine field in the microcrystalline YFeO3-Fe2O3 mixed phase system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 119, 95-99.	2.1	13

#	Article	IF	Citations
91	Structural, dielectric and vibrational properties of the stibiotantalite (Sb1-xBix)NbO4 system for 0 â‰¤ x â‰¤ 1. Ferroelectrics, 1987, 76, 93-106.	0.6	13
92	Swift heavy ion induced interface modification in Ni/Ge. Nuclear Instruments & Methods in Physics Research B, 2003, 212, 206-210.	1.4	13
93	Superconducting proximity effect inPbâˆ•Agnanocomposites. Physical Review B, 2007, 76, .	3.2	13
94	The microstructure and electrical transport properties of immiscible copper-niobium alloy thin films. Journal of Applied Physics, 2008, 103, 033511.	2.5	13
95	Controlled clustering in metal nanorod arrays leads to strongly enhanced field emission characteristics. Nanotechnology, 2012, 23, 015704.	2.6	13
96	A study of the structure and composition of Si-doped PbTiO3. Materials Letters, 1997, 32, 171-174.	2.6	12
97	Si induced size effects in ferroelectric PbTiO3. Journal of Applied Physics, 2000, 87, 462-466.	2.5	12
98	Optimization of the Morphology of ZnO Nanorods Grown by an Electrochemical Process. Journal of Nanoscience and Nanotechnology, 2009, 9, 4792-4796.	0.9	12
99	Enhancement of energy loss of fast electrons in a ferroelectric medium near the Curie temperature. Physical Review B, 1985, 32, 2835-2840.	3.2	11
100	Proximity effect in Nb/Zr multilayers with variable Nb/Zr ratio. Solid State Communications, 2003, 127, 349-353.	1.9	11
101	Ultra-low breakdown voltage and origin of 1/f²noise in metallic nanorod arrays. Nanotechnology, 2008, 19, 445713.	2.6	11
102	Structural phase transitions in trigonal Selenium induce the formation of a disordered phase. Journal of Physics Condensed Matter, 2015, 27, 415404.	1.8	11
103	Synthesis of thin films of polycrystalline ferroelectric BiNbO₄ on Si by pulsed laser ablation. Journal of Materials Research, 1998, 13, 1113-1116.	2.6	10
104	The nature of ferroelectric order in finite systems. Scripta Materialia, 1999, 12, 713-718.	0.5	10
105	The influence of nanoscale phase separation and devitrification on the electrical transport properties of amorphous Cuâ€“Nb alloy thin films. Journal of Physics Condensed Matter, 2009, 21, 285305.	1.8	10
106	Template-based fabrication of Agâ€“ZnO coreâ€“shell nanorod arrays. Journal of Crystal Growth, 2010, 312, 2724-2728.	1.5	10
107	Suppression of superconductivity in submicron La1.85Sr0.15CuO4??. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 26, 234-236.	1.0	9
108	Size effects on the local magnetism and Kondo behavior of isolated Fe impurities in nanocrystalline metallic hosts. Physical Review B, 2005, 71, .	3.2	9

#	Article	IF	Citations
109	Fast and reversible excited state absorption in II-VI-based nanocomposite thin films. Applied Physics Letters, 2005, 87, 063104.	3.3	9
110	Spin polarised tunnelling in granular polycrystalline colossal magnetoresistive manganites. Physica B: Condensed Matter, 1999, 259-261, 812-813.	2.7	8
111	Sputter Deposition of Self-Organized Nanoclusters Through Porous Anodic Alumina Templates. Journal of Nanoscience and Nanotechnology, 2007, 7, 641-646.	0.9	8
112	Is There a Lower Size Limit for Superconductivity?. Nano Letters, 2017, 17, 7027-7032.	9.1	8
113	Limiting long-range-ordered solids to finite sizes in condensed-matter physics. Phase Transitions, 1990, 24-26, 91-202.	1.3	7
114	Microstructure and magnetic, transport, and optical properties of ordered and disordered Ni-25Al alloy thin films. Thin Solid Films, 2003, 441, 255-260.	1.8	7
115	Synthesis, transformation and superconductivity of dual phase Inâ€“Sn alloy nanoparticles embedded in an Al matrix. Philosophical Magazine Letters, 2005, 85, 577-585.	1.2	7
116	Clustered copper nanorod arrays: a new class of adhesive hydrophobic materials. Soft Matter, 2013, 9, 11513.	2.7	7
117	Enhanced transport of relativistic electrons through nanochannels. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	7
118	Role of prepulses in the interaction of intense, ultrashort lasers with â€œstructuredâ€•surfaces. European Physical Journal Special Topics, 2006, 133, 533-536.	0.2	7
119	Amorphous state ferroelectricity, magnon scattering and phase stability in microparticle materials. Bulletin of Materials Science, 1984, 6, 327-338.	1.7	6
120	Laser plasma interaction in copper nano-particle targets. Laser and Particle Beams, 2008, 26, 473-478.	1.0	6
121	Growth of Aligned ZnO Nanorod Arrays from an Aqueous Solution: Effect of Additives and Substrates. Journal of Nanoscience and Nanotechnology, 2011, 11, 10379-10386.	0.9	6
122	Size-induced moment formation on isolated Fe atoms embedded in a nanocrystalline Ta matrix: Experiment and theory. Physical Review B, 2014, 89, .	3.2	6
123	Non-isovalent substitution of Ba2+ in superconducting YBa2Cu3O7-y. Physica C: Superconductivity and Its Applications, 1988, 153-155, 894-895.	1.2	5
124	O implantation in ZnSe: lattice distortion by Raman measurement. Applied Surface Science, 1991, 50, 308-311.	6.1	5
125	Melting and defect generation in chemical vapor deposited diamond due to irradiation with 100 MeV Au + and Ag + ions. Thin Solid Films, 2006, 503, 121-126.	1.8	5
126	Structural and magnetic properties of ultra-small scale eutectic CoFeZr alloys. Journal of Alloys and Compounds, 2015, 620, 442-450.	5.5	5

#	Article	IF	Citations
127	Ferroelectric phase transition in amorphous Pb(Zr0.51Ti0.49)O3. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 101, 435-438.	2.1	4
128	Evidence for transient superconductivity near 260 K. Journal of Physics C: Solid State Physics, 1987, 20, L673-L676.	1.5	4
129	Theory of size-driven transitions in displacive and order-disorder ferroelectrics. Journal of Physics Condensed Matter, 1999, 11, 2459-2469.	1.8	4
130	Swift heavy ion induced formation of preferentially oriented Au0.6Ge0.4 alloy. Nuclear Instruments & Methods in Physics Research B, 2003, 212, 151-156.	1.4	4
131	Swift heavy ion induced surface modifications in nano-crystalline Liâ€“Mg ferrite thin films. Applied Surface Science, 2006, 252, 8223-8228.	6.1	4
132	Polarization Selection Rules for Surface-Enhanced Raman Scattering from Anisotropic Microstructured Surfaces. Journal of Physical Chemistry C, 2012, 116, 18504-18507.	3.1	4
133	Two-Dimensional Nanostrips of Hydrophobic Copper Tetradecanoate for Making Self-Cleaning Glasses. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	4
134	Two phase ferromagnetic composites in Co-Zr and Co-Zr-Fe systems containing anti-phase domain imparting very high strength. Materials Research Bulletin, 2018, 97, 61-70.	5.2	4
135	Rotation of terahertz radiation due to phonon-mediated magnetoelectric coupling in chiral selenium. Physical Review B, 2018, 98, .	3.2	4
136	Non-linear field emission characteristics of copper oxide nanorod mesh: Geometrical interpretation of a structurally heterogeneous emitter. Journal of Alloys and Compounds, 2019, 789, 1-5.	5.5	4
137	Synthesis and MÌˆossbauer characterization of microcrystalline YFeO3. Materials Letters, 1983, 2, 122-126.	2.6	3
138	High temperature superconductivity in the Bi-Ca-Sr-Cu-O system with several variations in stoichiometry. Journal of Physics Condensed Matter, 1989, 1, 395-401.	1.8	3
139	Nucleation of ultrafine particles during reversible solid-solid phase transformation in oxides. Journal Physics D: Applied Physics, 1993, 26, 2061-2065.	2.8	3
140	Integration of porous silicon with CVD diamond. Journal Physics D: Applied Physics, 1995, 28, 1400-1403.	2.8	3
141	Local structure, composition, and crystallization mechanism of a model two-phase â€œcomposite nanoglassâ€• Journal of Chemical Physics, 2016, 144, 064503.	3.0	3
142	Superconductivity in TmBa2Cu3O9-x. Journal of Physics C: Solid State Physics, 1987, 20, L621-L626.	1.5	2
143	Synthesis of oriented thin films of ferroelectric SbNbO4 on Si by pulsed laser ablation. Journal of Applied Physics, 1998, 83, 3911-3913.	2.5	2
144	Local magnetism of Fe in Ag nanoparticles. Physica B: Condensed Matter, 2002, 312-313, 162-164.	2.7	2

#	Article	IF	Citations
145	Proton microbeam irradiation effects on PtBA polymer. Bulletin of Materials Science, 2006, 29, 101-105.	1.7	2
146	Non-monotonic size dependence of the elastic modulus of nanocrystalline ZnO embedded in a nanocrystalline silver matrix. Journal of Physics Condensed Matter, 2008, 20, 345224.	1.8	2
147	Nano-nanocomposites: an emerging class of materials. International Journal of Nanotechnology, 2009, 6, 530.	0.2	2
148	Effect of gold nano-particle layers on ablative acceleration of plastic foil targets. Journal of Physics: Conference Series, 2010, 244, 022018.	0.4	2
149	Mass selection in laser-plasma ion accelerator on nanostructured surfaces. Physics of Plasmas, 2017, 24, .	1.9	2
150	Hexagonal â† Cubic Transition in Ag: Prototype for a General Mechanism for Irreversible Solidâ€“Solid Structural Transformations. Journal of Physical Chemistry C, 2019, 123, 23177-23185.	3.1	2
151	Microcrystals of cooperative-behaviour materials. Bulletin of Materials Science, 1983, 5, 343-363.	1.7	1
152	Nonlinear photoresponse in II-VI-based nanocomposite thin films: a semiquantitative four-level model. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 692.	2.1	1
153	Metal Insulator Transition in Nanocrystalline Thin Films of Niobium: Classical and Quantum Contributions. AIP Conference Proceedings, 2006, , .	0.4	1
154	Hot Electron Generation and Manipulation on â€˜structuredâ€™ Surfaces. AIP Conference Proceedings, 2006, , .	0.4	1
155	Size-induced crossover from itinerant to localized magnetism observed for isolated Fe impurities embedded in different structural polymorphs of silver. Physical Review B, 2016, 94, .	3.2	1
156	Structure-Property Relations in Oxide Nanoparticles. , 1998, , 228-235.		1
157	57Fe MÃ¶ssbauer studies of U(Fe1â^'x Co x)2. Hyperfine Interactions, 1987, 34, 451-454.	0.5	0
158	C-Axis Oriented Thin Films of PbZrO3 on Silicon Substrate by Pulsed Laser Ablation. Materials Research Society Symposia Proceedings, 1996, 433, 207.	0.1	0
159	Self-assembly of metal nanorod arrays into hierarchical clusters and evolution of their hydrophobic behaviour. , 2013, , .		0
160	Size effect on the superconducting penetration depth and transition temperature in nanostructured al thin films. , 2013, , .		0
161	Efficient fast electron generation in an interaction of Intense, ultrashort laser with metal nanoparticle coated dielectric target. Journal of Physics: Conference Series, 2016, 717, 012077.	0.4	0
162	Observation of size dependent orbital magnetism of single Fe impurity in nanocrystalline Pb hosts. AIP Advances, 2018, 8, 101321.	1.3	0

#	Article	IF	Citations
163	Dependence of fast electron characteristics on the thickness of the nanocrystalline film target in intense, ultrashort laserâ€“solid interaction. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	0