

Pankaj Poddar

List of Publications by Year in descending order

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116
papers

5,358
citations

71061

41
h-index

88593

70
g-index

118
all docs

118
docs citations

118
times ranked

7982
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence turn-off detection of metal ions and explosives using graphene quantum dots. MRS Communications, 2022, 12, 168-174.	0.8	2
2	Remarkable Effect of Fe and Se Composition on Magnetic Propertiesâ”€Comparative Study of the Feâ”€Se System at the Nanoscale. Journal of Physical Chemistry C, 2022, 126, 4655-4663.	1.5	9
3	Raman spectroscopy-based sensitive, fast and reversible vapour phase detection of explosives adsorbed on metalâ”€organic frameworks UiO-67. New Journal of Chemistry, 2021, 45, 7145-7153.	1.4	16
4	Study of Growth Kinetics of Fe ₃ Se ₄ Nanocrystallites and the Influence of Size and Shape Tunability on their Magnetic Properties. Journal of Physical Chemistry C, 2021, 125, 7932-7943.	1.5	2
5	Study of the Phase-Evolution Mechanism of an Feâ”€Se System at the Nanoscale: Optimization of Synthesis Conditions for the Isolation of Pure Phases and Their Controlled Growth. Langmuir, 2020, 36, 2012-2022.	1.6	10
6	Study of Interfacial Adhesion between Nickel-Titanium Shape Memory Alloy and a Polymer Matrix by Laser Surface Pattern. Applied Sciences (Switzerland), 2020, 10, 2172.	1.3	21
7	Advances in the Experimental and Theoretical Understandings of Antibiotic Conjugated Gold Nanoparticles for Antibacterial Applications. ChemistrySelect, 2019, 4, 6719-6738.	0.7	19
8	Downconversion Luminescence-Based Nanosensor for Label-Free Detection of Explosives. ACS Omega, 2019, 4, 4259-4268.	1.6	18
9	Designing Multifunctional MOFs Using the Inorganic Motif [Cu ₃ (μ_3 -OH)(μ_4 -Pyz)] as an SBU and Their Properties. Crystal Growth and Design, 2019, 19, 992-1004.	1.4	21
10	Graphene Quantum Dots-Driven Multiform Morphologies of μ_2 -NaYF ₄ :Gd ³⁺ /Tb ³⁺ Phosphors: The Underlying Mechanism and Their Optical Properties. ACS Omega, 2018, 3, 1834-1849.	1.6	10
11	Polycrystalline MnGe ₂ thin films on InAs(001) substrates. Thin Solid Films, 2018, 657, 38-41.	0.8	2
12	Retention of Anticancer Activity of Curcumin after Conjugation with Fluorescent Gold Quantum Clusters: An in Vitro and in Vivo Xenograft Study. ACS Omega, 2018, 3, 4776-4785.	1.6	38
13	Surface disordered rutile TiO ₂ â”€graphene quantum dot hybrids: a new multifunctional material with superior photocatalytic and biofilm eradication properties. New Journal of Chemistry, 2017, 41, 2642-2657.	1.4	19
14	Physical Mechanism Behind Enhanced Photoelectrochemical and Photocatalytic Properties of Superhydrophilic Assemblies of 3D-TiO ₂ Microspheres with Arrays of Oriented, Single-Crystalline TiO ₂ Nanowires as Building Blocks Deposited on Fluorine-Doped Tin Oxide. ACS Applied Materials & Interfaces, 2017, 9, 11202-11211.	4.0	19
15	Magnetic studies of SiO ₂ coated CoFe ₂ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 441, 683-690.	1.0	13
16	Oxidant mediated one-step complete conversion of multi-walled carbon nanotubes to graphene quantum dots and their bioactivity against mammalian and bacterial cells. Journal of Materials Chemistry B, 2017, 5, 785-796.	2.9	37
17	Global Conformation of Tau Protein Mapped by Raman Spectroscopy. Methods in Molecular Biology, 2017, 1523, 21-31.	0.4	20
18	Fluorescent metal quantum clusters: an updated overview of the synthesis, properties, and biological applications. Journal of Materials Chemistry B, 2017, 5, 9055-9084.	2.9	49

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19	$\text{Ln}_{₈}$ (Ln= Gd, Ho, Er, Yb) Butterfly Core Exhibiting Magnetocaloric Effect and Field-Induced SMM Behavior for Er Analogue. ChemistrySelect, 2017, 2, 11341-11345.	0.7	6
20	Growth of flower-like patterns of $\text{TiO}_{₂}$ nanorods over FTO substrate. Integrated Ferroelectrics, 2017, 184, 166-171.	0.3	6
21	A broad spectrum photon responsive, paramagnetic $\text{I}^2\text{-NaGdF}_{₄:\text{Yb}^{³⁺},\text{Er}^{³⁺}$ mesoporous anatase titania nanocomposite. RSC Advances, 2016, 6, 53504-53518.	1.7	16
22	Study of magnetic and thermal properties of $\text{SmCrO}_{₃}$ polycrystallites. RSC Advances, 2016, 6, 82014-82023.	1.7	26
23	Immobilization of multivalent glycoprobes on gold surfaces for sensing proteins and macrophages. Analyst, The, 2016, 141, 2250-2258.	1.7	13
24	Tunable band gap and coercivity of bismuth ferrite "polyaniline core" shell nanoparticles: the role of shell thickness. RSC Advances, 2015, 5, 23563-23568.	1.7	70
25	Using Raman and dielectric spectroscopy to elucidate the spin phonon and magnetoelectric coupling in $\text{DyCrO}_{₃}$ nanoplatelets. RSC Advances, 2015, 5, 10094-10101.	1.7	46
26	Colossal increase in negative magnetization, exchange bias and coercivity in samarium chromite due to a strong coupling between $\text{Sm}^{³⁺}$ $\text{Cr}^{³⁺}$ spins sublattices. Journal Physics D: Applied Physics, 2015, 48, 025004.	1.3	50
27	Temperature and Magnetic Field-Assisted Switching of Magnetization and Observation of Exchange Bias in $\text{YbCrO}_{₃}$ Nanocrystals. Inorganic Chemistry, 2015, 54, 9509-9516.	1.9	29
28	Study of the nucleation and growth of antibiotic labeled Au NPs and blue luminescent $\text{Au}_{₈}$ quantum clusters for $\text{Hg}^{²⁺}$ ion sensing, cellular imaging and antibacterial applications. Nanoscale, 2015, 7, 19985-20002.	2.8	37
29	Doxorubicin-conjugated $\text{I}^2\text{-NaYF}_{₄:\text{Gd}^{³⁺}/\text{Tb}^{³⁺}$ multifunctional, phosphor nanorods: a multi-modal, luminescent, magnetic probe for simultaneous optical and magnetic resonance imaging and an excellent pH-triggered anti-cancer drug delivery nanovehicle. Nanoscale, 2015, 7, 19501-19518.	2.8	33
30	The mechanistic insight into the biomilling of goethite ($\text{I}^{\pm}\text{-FeO(OH)}$) nanorods using the yeast <i>Saccharomyces cerevisiae</i> . RSC Advances, 2015, 5, 91785-91794.	1.7	22
31	Construction of Polynuclear Lanthanide (Ln = $\text{Dy}^{^{III}}, \text{Tb}^{^{III}}, \text{Nd}^{^{III}}$) Cage Complexes Using Pyridine-Pyrazole-Based Ligands: Versatile Molecular Topologies and SMM Behavior. Inorganic Chemistry, 2015, 54, 8197-8206.	1.9	85
32	Biomilling of rod-shaped ZnO nanoparticles: a potential role of <i>Saccharomyces cerevisiae</i> extracellular proteins. RSC Advances, 2015, 5, 1883-1889.	1.7	12
33	Self-assembled vertically aligned gold nanorod superlattices for ultra-high sensitive detection of molecules. Nano Research, 2015, 8, 907-919.	5.8	28
34	Synthesis, Characterization and In Vitro Study of Biocompatible Cinnamaldehyde Functionalized Magnetite Nanoparticles (CPGF Nps) For Hyperthermia and Drug Delivery Applications in Breast Cancer. PLoS ONE, 2014, 9, e107315.	1.1	53
35	Modification of crystal anisotropy and enhancement of magnetic moment of Co-doped SnO_2 thin films annealed under magnetic field. Nanoscale Research Letters, 2014, 9, 635.	3.1	4
36	Static and dynamic photoluminescence and photocatalytic properties of uniform, monodispersed up/down-converting, highly luminescent, lanthanide-ion-doped $\text{I}^2\text{-NaYF}_{₄}$ phosphor microcrystals with controlled multiform morphologies. Journal of Materials Chemistry A, 2014, 2, 19189-19200.	5.2	39

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37	Template-Free Fabrication of Highly-Oriented Single-Crystalline 1D-Rutile TiO ₂ -MWCNT Composite for Enhanced Photoelectrochemical Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19363-19373.	1.5	44
38	Large Magnetocaloric Effect, Moment, and Coercivity Enhancement after Coating Ni Nanoparticles with Ag. <i>ChemPhysChem</i> , 2014, 15, 1619-1623.	1.0	6
39	Interchain relay of antiferromagnetic ordering in 1D Co(II) coordination polymers via π - π interactions. <i>CrystEngComm</i> , 2014, 16, 8523.	1.3	10
40	Observation of exchange bias below incommensurate antiferromagnetic (ICAFM) to canted A-type antiferromagnetic (cAAFM) transition in nanocrystalline orthorhombic EuMnO ₃ . <i>RSC Advances</i> , 2014, 4, 10614.	1.7	8
41	Ligand-Free One-Step Synthesis of {001} Faceted Semiconducting BiOCl Single Crystals and Their Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2014, 14, 236-239.	1.4	56
42	Modulation of Reaction Kinetics for the Tuneable Synthesis of Gold Nanoparticles and Quantum Clusters: Application of Gold Quantum Clusters as CO_2 -Sensing Probe for Sn ⁴⁺ Ions. <i>ChemPlusChem</i> , 2014, 79, 134-142.	1.3	15
43	Large Increase in the Energy Product of Fe ₃ Se ₄ by Fe-Site Doping. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4016-4022.	1.5	31
44	Ionic Control on the Morphology of Ytterbium Manganese Oxide Nanorods and Nanoplates in a Surfactant-Free Synthesis and Their Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13268-13275.	1.5	4
45	Probing interaction of Gram-positive and Gram-negative bacterial cells with ZnO nanorods. <i>Materials Science and Engineering C</i> , 2013, 33, 1247-1253.	3.8	66
46	Surface chemistry and growth mechanism of highly oriented, single crystalline TiO ₂ nanorods on transparent conducting oxide coated glass substrates. <i>RSC Advances</i> , 2013, 3, 1933-1940.	1.7	19
47	Static and dynamic magnetic properties and interplay of Dy ³⁺ , Gd ³⁺ and Mn ³⁺ spins in orthorhombic DyMnO ₃ and GdMnO ₃ nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 045301.	1.3	26
48	Growth of oriented single crystalline La-doped TiO ₂ nanorod arrays electrode and investigation of optoelectronic properties for enhanced photoelectrochemical activity. <i>RSC Advances</i> , 2013, 3, 10363.	1.7	41
49	Static and dynamic magnetic properties and effect of surface chemistry on the morphology and crystallinity of DyCrO ₃ nanoplatelets. <i>RSC Advances</i> , 2013, 3, 26427.	1.7	65
50	In situ synthesis and surface functionalization of gold nanoparticles with curcumin and their antioxidant properties: an experimental and density functional theory investigation. <i>Nanoscale</i> , 2013, 5, 1882.	2.8	149
51	Extracellular Biosynthesis of Water Dispersible, Protein Capped Mn ₅ O ₈ Nanoparticles Using the Fungus <i>Fusarium oxysporum</i> and Study of Their Magnetic Behavior. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013, 3, 91-97.	0.3	8
52	Optical and Structural Properties of CTAB Templated Mesoporous ZnO. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013, 3, 243-247.	0.3	1
53	Novel Green Hemoglobin-Mediated Biosynthesis of Gold Nanoparticles. <i>Materials Focus</i> , 2013, 2, 80-85.	0.4	10
54	Metal and metal oxidenanoparticle synthesis from metal organic frameworks (MOFs): finding the border of metal and metal oxides. <i>Nanoscale</i> , 2012, 4, 591-599.	2.8	334

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55	Solid Phase Morphological Diversity of a Rare Vanadium Cubane (V ₄ O ₁₆) Based Metal Organic Framework. <i>Crystal Growth and Design</i> , 2012, 12, 12-17.	1.4	20
56	Observation of Enhanced Dielectric Coupling and Room-Temperature Ferromagnetism in Chemically Synthesized BiFeO ₃ @SiO ₂ Core-Shell Particles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19503-19511.	1.5	43
57	Temperature-Dependent Spectroscopic Evidences of Curcumin in Aqueous Medium: A Mechanistic Study of Its Solubility and Stability. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14533-14540.	1.2	134
58	Bistable Dynamic Coordination Polymer Showing Reversible Structural and Functional Transformations. <i>Inorganic Chemistry</i> , 2012, 51, 8317-8321.	1.9	17
59	Photopatternable nano-composite (SU-8/ZnO) thin films for piezo-electric applications. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	56
60	Green Approach Towards Size Controlled Synthesis of Biocompatible Antibacterial Metal Nanoparticles in Aqueous Phase Using Lysozyme. <i>Current Nanoscience</i> , 2012, 8, 130-140.	0.7	19
61	Syntheses, Crystal Structures, and Magnetic Properties of Metal-Organic Hybrid Materials of Co(II) Using Flexible and Rigid Nitrogen-Based Ditopic Ligands as Spacers. <i>Crystal Growth and Design</i> , 2012, 12, 1571-1578.	1.4	94
62	Synthesis, Characterization, and Magnetic Studies of Coordination Polymers with Co(II) and Mn(II) Ions. <i>Crystal Growth and Design</i> , 2012, 12, 4624-4632.	1.4	67
63	Design and in situ synthesis of a Cu-based porous framework featuring isolated double chain magnetic character. <i>Chemical Communications</i> , 2011, 47, 11008.	2.2	33
64	Surface Effects on Morin Transition, Exchange Bias, and Enhanced Spin Reorientation in Chemically Synthesized DyFeO ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2954-2960.	1.5	44
65	Structural and Selective Gas Adsorption Studies of Polyoxometalate and Tris(ethylenediamine) Cobalt(III) Based Ionic Crystals. <i>Crystal Growth and Design</i> , 2011, 11, 139-146.	1.4	33
66	Solvothermal Synthesis, Structure, and Properties of Metal Organic Framework Isomers Derived from a Partially Fluorinated Link. <i>Crystal Growth and Design</i> , 2011, 11, 1215-1222.	1.4	101
67	Dielectric and spin relaxation behaviour in DyFeO ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	38
68	Structural, Magnetic, and Gas Adsorption Study of a Series of Partially Fluorinated Metal-Organic Frameworks (H _F -MOFs). <i>Inorganic Chemistry</i> , 2011, 50, 3855-3865.	1.9	88
69	Effect of particle size and annealing on spin and phonon behavior in TbMnO ₃ . <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	25
70	Synthesis and optical studies of GdCrO ₃ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1019-1027.	0.8	37
71	Field emission studies of silver nanoparticles synthesized by electron cyclotron resonance plasma. <i>Applied Surface Science</i> , 2011, 257, 7184-7189.	3.1	2
72	Room temperature ferromagnetism in undoped and Fe doped ZnO nanorods: Microwave-assisted synthesis. <i>Journal of Solid State Chemistry</i> , 2011, 184, 391-400.	1.4	167

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73	Investigations of magnetic and dielectric properties of cupric oxide nanoparticles. Solid State Communications, 2011, 151, 55-60.	0.9	31
74	Magnetic and dielectric properties and Raman spectroscopy of GdCrO ₃ nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	96
75	Effect of Reduced Particle Size on the Magnetic Properties of Chemically Synthesized BiFeO ₃ Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 2108-2115.	1.5	191
76	Fabrication of homogeneous nanoparticle/nanoneedle BaTiO ₃ and Ba _{0.8} Sr _{0.2} TiO ₃ smooth thin films by simple dip coating. International Journal of Nanotechnology, 2010, 7, 919.	0.1	4
77	Temperature-Dependent Raman and Dielectric Spectroscopy of BiFeO ₃ Nanoparticles: Signatures of Spin-Phonon and Magnetoelectric Coupling. Journal of Physical Chemistry C, 2010, 114, 12432-12439.	1.5	65
78	Structural, Magnetic, and Gas Adsorption Study of a Two-Dimensional Tetrazole-Pyrimidine Based Metal-Organic Framework. Crystal Growth and Design, 2010, 10, 2475-2478.	1.4	48
79	Origin of Magnetic Anomalies below the Néel Temperature in Nanocrystalline LuMnO ₃ . Journal of Physical Chemistry C, 2010, 114, 12104-12109.	1.5	24
80	Effect of Cultural Conditions and Media Constituents on Production of Penicillin V Acylase and CTAB Treatment to Enhance Whole-Cell Enzyme Activity of Rhodotorula aurantiaca (NCIM 3425). Applied Biochemistry and Biotechnology, 2009, 157, 463-472.	1.4	3
81	Modulation and Optimization of Drug Release from Uncoated Low Density Porous Carrier Based Delivery System. AAPS PharmSciTech, 2009, 10, 547-558.	1.5	10
82	In Situ Observation of Antibiotic Mediated Concurrent Growth of Two Distinct Homogeneous Populations of Gold Nanoparticles in Solution Phase. Journal of Physical Chemistry C, 2009, 113, 3478-3486.	1.5	12
83	Preparation of Nearly Monodisperse Nickel Nanoparticles by a Facile Solution Based Methodology and Their Ordered Assemblies. Journal of Physical Chemistry C, 2009, 113, 3426-3429.	1.5	54
84	Mechanistic Study of Surface Functionalization of Enzyme Lysozyme Synthesized Ag and Au Nanoparticles Using Surface Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2009, 113, 21493-21500.	1.5	36
85	Real-Time Nanomechanical and Topographical Mapping on Live Bacterial Cells of <i>Brevibacterium casei</i> under Stress Due to Their Exposure to Co ²⁺ Ions during Microbial Synthesis of Co ₃ O ₄ Nanoparticles. Journal of Physical Chemistry B, 2009, 113, 7927-7933.	1.2	21
86	Challenges Associated with Metal Chelation Therapy in Alzheimer's Disease. Journal of Alzheimer's Disease, 2009, 17, 457-468.	1.2	139
87	Human Blood Vessel-Derived Endothelial Progenitors for Endothelialization of Small Diameter Vascular Prosthesis. PLoS ONE, 2009, 4, e7718.	1.1	50
88	Imaging the interaction between dengue 2 virus and human blood platelets using atomic force and electron microscopy. Journal of Electron Microscopy, 2008, 57, 113-118.	0.9	42
89	Transverse susceptibility study of the effect of varying dipolar interactions on anisotropy peaks in a three-dimensional assembly of soft ferrite nanoparticles. Journal of Applied Physics, 2008, 104, 063901.	1.1	32
90	Extracellular Bacterial Synthesis of Protein-Functionalized Ferromagnetic Co ₃ O ₄ Nanocrystals and Imaging of Self-Organization of Bacterial Cells under Stress after Exposure to Metal Ions. Chemistry of Materials, 2008, 20, 1484-1491.	3.2	64

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91	Sheet-forming abiotic hetero foldamers. <i>Chemical Communications</i> , 2008, , 712-714.	2.2	21
92	Structure and Microbial Synthesis of Sub-10 nm Bi ₂ O ₃ Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3909-3913.	0.9	58
93	Static and Dynamic Magnetic Properties of Co Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4086-4091.	0.9	1
94	Bio-milling technique for the size reduction of chemically synthesized BiMnO ₃ nanoplates. <i>Journal of Materials Chemistry</i> , 2007, 17, 3910.	6.7	25
95	Magnetic Transition and Large Magnetocaloric Effect Associated with Surface Spin Disorder in Co and Co _{core} Ag _{shell} Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14060-14066.	1.5	52
96	Cephalexin-Mediated Synthesis of Quasi-Spherical and Anisotropic Gold Nanoparticles and Their in Situ Capping by the Antibiotic. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6933-6938.	1.5	37
97	Room-Temperature Biosynthesis of Ferroelectric Barium Titanate Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 11958-11963.	6.6	285
98	Metal-Organic Framework Diversity via Heterocoordination of a Multifunctional Ligand: SrAl ₂ and a Novel (3,4)-Connected Network. <i>Crystal Growth and Design</i> , 2006, 6, 1453-1457.	1.4	46
99	Magnetocaloric effect in ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 307, 227-231.	1.0	132
100	Inter-particle interactions and magnetism in manganese-zinc ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 288, 443-451.	1.0	50
101	Spin polarization measurements on polycrystalline strontium ruthenates using point-contact Andreev reflection. <i>Journal of Applied Physics</i> , 2005, 97, 10C912.	1.1	3
102	Magnetic properties of polydisperse and monodisperse NiZn ferrite nanoparticles interpreted in a surface structure model. <i>Journal of Applied Physics</i> , 2005, 97, 10G104.	1.1	36
103	Observation of a New Magnetic Anomaly below the Ferromagnetic Curie Temperature in Yb ₁₄ MnSb ₁₁ . <i>Physical Review Letters</i> , 2005, 95, 227205.	2.9	6
104	Polypyrrole composites for shielding applications. <i>Synthetic Metals</i> , 2005, 151, 211-217.	2.1	103
105	Synthesis and the physical properties of MnZn ferrite and NiMnZn ferrite-polyaniline nanocomposite particles. <i>Journal of Materials Chemistry</i> , 2005, 15, 810-817.	6.7	164
106	Probing Magnetic Anisotropy and Spin Polarization in Spintronic Materials. <i>IEEE Nanotechnology Magazine</i> , 2005, 4, 59-64.	1.1	7
107	Observation of charge ordering and the ferromagnetic phase transition in single crystal LSMO using rf transverse susceptibility. <i>Journal of Applied Physics</i> , 2005, 97, 10C104.	1.1	24
108	Magnetic properties of conducting polymer doped with manganese-zinc ferrite nanoparticles. <i>Nanotechnology</i> , 2004, 15, S570-S574.	1.3	58

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109	Grain size influence on soft ferromagnetic properties in Fe-Co nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 106, 95-100.	1.7	24
110	Directed assembly of metal-organic cubes from deliberately pre-designed molecular building blocks. Chemical Communications, 2004, , 2806-2807.	2.2	146
111	Nanocomposite Magneto-Rheological Fluids with Uniformly Dispersed Fe Nanoparticles. Journal of Nanoscience and Nanotechnology, 2004, 4, 192-196.	0.9	31
112	Manifestation of the Verwey transition in the tunneling spectra of magnetite nanocrystals. Europhysics Letters, 2003, 64, 98-103.	0.7	27
113	Observation of the Verwey Transition in Fe ₃ O ₄ Nanocrystals. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	5
114	Dipolar interactions in two- and three-dimensional magnetic nanoparticle arrays. Physical Review B, 2002, 66, .	1.1	154
115	First-order metal-insulator transition and spin-polarized tunneling in Fe ₃ O ₄ nanocrystals. Physical Review B, 2002, 65, .	1.1	128
116	Metal-Insulator Transition in A _x VS ₂ Compounds. Physica Status Solidi (B): Basic Research, 2000, 218, 229-232.	0.7	2