JatiÇ¹der Vir Yakhmi

List of Publications by Year
in descending order

329 papers	7,653 citations	66250 44 h-index	81351 76 g-index
334 all docs	334 docs citations	334 times ranked	9317 citing authors

#	Article	IF	Citations
1	Nanomaterials as Enhanced Antimicrobial Agent/Activity-Enhancer for Transdermal Applications: A Review. , 2017, , 279-321.		9
2	Interfacial engineering of nanoparticles for cancer therapeutics. , 2017, , 177-209.		16
3	Nanotechnological approaches toward cancer chemotherapy. , 2017, , 211-240.		6
4	Microbial fuel cells â€“ Applications for generation of electrical power and beyond. Critical Reviews in Microbiology, 2016, 42, 127-143.	2.7	78
5	Nanobiomaterials as gene-delivery vehicles. , 2016, , 447-486.		4
6	Structural behaviour of niobium oxynitride under high pressure. , 2014, , .		0
7	Probing the superconducting properties of the Si-doped Nb-oxynitride superconductor(Nb0.87Si0.09â¡0.04)(N0.87O0.13). Physical Review B, 2014, 90, .	1.1	4
8	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb0.87Si0.09â¡0.04)(N0.87O0.13). Journal of Solid State Chemistry, 2014, 210, 238-241.	1.4	9
9	Microbial fuel cells to recover heavy metals. Environmental Chemistry Letters, 2014, 12, 483-494.	8.3	124
10	Hierarchical Self-Assembled Peptide Nano-ensembles. , 2014, , 247-284.		0
11	Structural behaviour of Mg, Al and Si doped niobium oxynitrides under high pressures. , 2013, , .		0
12	Spin interactions in mineral libethenite series: evolution of low-dimensional magnetism. Journal of Physics Condensed Matter, 2012, 24, 436003.	0.7	1
13	Electronic Structure of Mineral Libethenite Series: A Minimal Model Approach. Solid State Phenomena, 2012, 194, 284-287.	0.3	0
14	Slow Magnetic Relaxations in Manganese(III) Tetra(meta-fluorophenyl)porphyrin-tetracyanoethenide. Comparison with the Relative Single Chain Magnet ortho Compound. Inorganic Chemistry, 2012, 51, 9983-9994.	1.9	34
15	Conducting Polymer Sensors, Actuators and Field-Effect Transistors. , 2012, , 61-110.		14
16	Functional Superconducting Materials. , 2012, , 261-284.		3
17	Ultra low field emission characteristics of chloride doped polypyrrole films. Polymers for Advanced Technologies, 2012, 23, 215-219.	1.6	8
18	Superconductivity in quaternary niobium oxynitrides containing main group elements (M=Mg, Al, Si). Journal of Solid State Chemistry, 2012, 188, 66-71.	1.4	11

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19	Charge transport in ultrathin iron-phthalocyanine thin films under high electric fields. Journal of Physics Condensed Matter, 2011, 23, 355801.	0.7	1
20	Conformational morphology of polyaniline grown on self-assembled monolayer modified silicon. Thin Solid Films, 2011, 520, 351-355.	0.8	4
21	Influence of sulphur atom on the qualitative behavior of electron impact total cross sections of some sulphur containing molecules. Indian Journal of Physics, 2011, 85, 1717-1720.	0.9	12
22	Temperature dependent H2S and Cl2 sensing selectivity of Cr2O3 thin films. Sensors and Actuators B: Chemical, 2011, 157, 466-472.	4.0	53
23	Improved charge conduction in cobalt-phthalocyanine thin films grown along 36.8Â° boundary of SrTiO3 bicrystals. Applied Physics Letters, 2011, 98, .	1.5	9
24	Nature of Magnetic Ordering in Molecular Magnet Mn[Fe(CN)[sub 6]][sub 2â•3]â‹…zH[sub 2]O. , 2011, , .		0
25	Characterization and Mol̂ssbauer Study of Ni[sub 0.45]Zn[sub 0.55]Fe[sub 2]O[sub 4] Nanoparticles Prepared by Novel Precursor Method. , 2011, , .		0
26	EFFECT OF GATE INSULATOR ON THE PERFORMANCE OF COPPER PHTHALOCYANINE-BASED ORGANIC THIN FILM TRANSISTORS. International Journal of Nanoscience, 2011, 10, 745-748.	0.4	1
27	Thickness Dependent Magnetic Properties of Thin Films of Prussian Blue Analogue Fe[sub 1.5][Cr(CN)[sub 6]]â‹…7.5H[sub 2]O. , 2011, , .		0
28	Improved H[sub 2]S and Cl[sub 2] Sensing Characteristics of Pure and Au Incorporated WO[sub 3] Thin Films. , 2011, , .		2
29	Ordering Induced Enhancement of Charge Carrier Mobility In CoPc Thin Films. , 2011, , .		0
30	Implication of Structural Disorder in The Charge Transport Properties of Cobalt-phthalocyanine Thin Films. , 2011, , .		0
31	Bipolar magnetization switching and its control in a Prussian blue type molecular magnetic compound. Journal of Physics: Conference Series, 2010, 200, 022073.	0.3	8
32	Cu1.5[Cr(CN)6]â‹…6.5H2O nanoparticles: synthesis, characterization, and magnetic properties. Applied Physics A: Materials Science and Processing, 2010, 99, 79-83.	1.1	4
33	In-Vacuo thermal processing of Î±-Al2O3 single crystals in boron ambience and its implication on TL & OSL response. Journal of Luminescence, 2010, 130, 1308-1312.	1.5	7
34	Role of structural disorder in charge transport properties of cobalt phthalocyanine thin films grown by molecular-beam epitaxy. Organic Electronics, 2010, 11, 1835-1843.	1.4	18
35	Langmuirâ€“Blodgett films of ethylenedithiotetrathiafulvalene derivative containing hydroxyl groups. Thin Solid Films, 2010, 518, 5820-5826.	0.8	0
36	Growth of SnO2/W18O49 nanowire hierarchical heterostructure and their application as chemical sensor. Sensors and Actuators B: Chemical, 2010, 147, 453-460.	4.0	78

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37	In situ spectroscopic studies to investigate uncharacteristic NH3 sensing behavior of polycarbazole Langmuirâ€“Blodgett films. Sensors and Actuators B: Chemical, 2010, 150, 7-11.	4.0	15
38	Sub-ppm H2S sensing at room temperature using CuO thin films. Sensors and Actuators B: Chemical, 2010, 151, 90-96.	4.0	196
39	Diodes based on bilayers comprising of tetraphenyl porphyrin derivative and fullerene for hybrid nanoelectronics. Chemical Physics Letters, 2010, 485, 137-141.	1.2	15
40	Bis-porphyrin films as ppb level chemiresistive sensors. Chemical Physics Letters, 2010, 488, 27-31.	1.2	19
41	Negative differential resistance in electrografted layer of N-(2-(4-diazoniophenyl)ethyl)-Nâ€²-hexylnaphthalene-1,8:4,5-tetracarboxydiimide tetrafluoroborate on Si. Chemical Physics Letters, 2010, 493, 135-140.	1.2	12
42	Clinical Investigations Effectiveness of two different HDR brachytherapy regimens with the same BED value in cervical cancer. Journal of Contemporary Brachytherapy, 2010, 2, 53-60.	0.4	2
43	Bias and temperature dependent charge transport in high mobility cobalt-phthalocyanine thin films. Applied Physics Letters, 2010, 96, .	1.5	29
44	Enhancement of Curie temperature in electrochemically prepared crystalline thin films of Prussian blue analogs KjFekII[CrIII(CN)6]lâ‹…mH2O. Journal of Applied Physics, 2010, 108, 023916.	1.1	19
45	Cyanide-bridged RuxNi3-3x/2[Cr(CN)6]2â‹…zH2O molecular magnets: Controlling structural disorder and magnetic properties by a 4d ion (ruthenium) substitution. Journal of Applied Physics, 2010, 107, 053902.	1.1	13
46	Influence of Stoichiometry on the Magnetic Properties of Electrodeposited Thin Films of Iron Chromium Hexacyanide Based Molecular Magnet. , 2010, , .		0
47	Electrical And Positron Study Of The Interface Of Organic Semiconductor Heterojunction. , 2010, , .		0
48	Growth and gas-sensing studies of metal oxide semiconductor nanostructures. International Journal of Nanotechnology, 2010, 7, 883.	0.1	11
49	Photovoltaic Properties Of ZnO Nanoparticle Based Solid Polymeric Photoelectrochemical Cells. , 2010, , .		4
50	Synthesis and magnetic properties of PVP coated copper-chromium hexacyanide nanoparticles. Journal of Physics: Conference Series, 2010, 200, 072057.	0.3	2
51	Room temperature ppb level Cl2 sensing using sulphonated copper phthalocyanine films. Talanta, 2010, 82, 1485-1489.	2.9	31
52	Electronic structure and magnetic properties of (Fe,Co)-codoped ZnO: Theory and experiment. Physical Review B, 2010, 81, .	1.1	33
53	Structural disorder in alkaline earth metal doped BaxMn[Fe(CN)6]2(x+1)/3Â·zH2O molecular magnets: a reverse Monte Carlo study. Physical Chemistry Chemical Physics, 2010, 12, 12208.	1.3	12
54	Temperature- and magnetic-field-controlled magnetic pole reversal in a molecular magnetic compound. Applied Physics Letters, 2009, 95, .	1.5	118

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55	Elastic scattering of electrons from dimethylsulfide and dimethylsulfoxide. Physical Review A, 2009, 79, .	1.0	4
56	Charge transport in polypyrrole:ZnO-nanowires composite films. Applied Physics Letters, 2009, 95, 202106.	1.5	16
57	Application of Aligned ZnO Nanowires/Nanobelts as a Room Temperature NO Gas Sensor. Journal of Nanoscience and Nanotechnology, 2009, 9, 5293-5297.	0.9	17
58	Looking through glass. IOP Conference Series: Materials Science and Engineering, 2009, 2, 011002.	0.3	1
59	Development of low resistance electrical contacts for thermoelectric devices based on n-type PbTe and p-type TAGS-85 ((AgSbTe₂)_{0.15}(GeTe)_{0.85}). Journal Physics D: Applied Physics, 2009, 42, 015502.	1.3	73
60	Nuclear detectors based on n-silicon/copperâ€“phthalocyanine heterojunctions. Radiation Measurements, 2009, 44, 47-49.	0.7	7
61	NO2 sensors with room temperature operation and long term stability using copper phthalocyanine thin films. Sensors and Actuators B: Chemical, 2009, 143, 246-252.	4.0	72
62	Molecule-based magnets. Bulletin of Materials Science, 2009, 32, 217-225.	0.8	14
63	Poly(3-hexylthiophene) based field-effect transistors with gate SiO2 dielectric modified by multi-layers of 3-aminopropyltrimethoxysilane. Thin Solid Films, 2009, 517, 6124-6128.	0.8	7
64	Copper doped SnO2 nanowires as highly sensitive H2S gas sensor. Sensors and Actuators B: Chemical, 2009, 138, 587-590.	4.0	155
65	Hybrid molecule-on-silicon nanoelectronics: Electrochemical processes for grafting and printing of monolayers. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 325-344.	1.3	51
66	Parts-per-billion level chlorine sensors with fast kinetics using ultrathin cobalt phthalocyanine films. Chemical Physics Letters, 2009, 480, 185-188.	1.2	35
67	Impedance model of electrolyteâ€“insulatorâ€“semiconductor structure with porous silicon semiconductor. Electrochimica Acta, 2009, 54, 3781-3787.	2.6	15
68	Self-assembled and electrochemically deposited mono/multilayers for molecular electronics applications. Applied Surface Science, 2009, 256, 407-413.	3.1	8
69	Morphology and structure of highly crystalline polyaniline films. Synthetic Metals, 2009, 159, 1067-1071.	2.1	17
70	Chlorine gas sensors using one-dimensional tellurium nanostructures. Talanta, 2009, 77, 1567-1572.	2.9	28
71	Elastic differential cross sections for electron scattering from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.0	5
72	ZnO-nanowires modified polypyrrole films as highly selective and sensitive chlorine sensors. Applied Physics Letters, 2009, 94, .	1.5	54

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73	Temperature Dependent Currentâ€“Voltage Characteristics of Iron-Phthalocyanine Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 5262-5267.	0.9	2
74	Molecular Beam Epitaxy Growth of Iron Phthalocyanine Nanostructures. , 2009, , .		1
75	Growth Mechanism of Zinc Oxide Nanostructures by Carbothermal Evaporation Technique. , 2009, , .		0
76	Electrical Characterization of Self-Assembled Monolayers of Alkyltrichlorosilanes on Native Oxide of Silicon. Journal of Nanoscience and Nanotechnology, 2009, 9, 5273-5277.	0.9	5
77	Room-temperature H2S gas sensing at ppb level by single crystal In2O3 whiskers. Sensors and Actuators B: Chemical, 2008, 133, 456-461.	4.0	258
78	Self-assembly of the 3-aminopropyltrimethoxysilane multilayers on Si and hysteretic currentâ€“voltage characteristics. Applied Physics A: Materials Science and Processing, 2008, 90, 581-589.	1.1	121
79	Resistive memory effect in selfâ€assembled 3â€aminopropyltrimethoxysilane molecular multilayers. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 373-377.	0.8	11
80	Growth of iron phthalocyanine nanoweb and nanobrush using molecular beam epitaxy. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 154-163.	1.3	39
81	Electronic structure of highly crystalline polyaniline by study of tunneling conduction in n+-Si/self-assembled monolayer/polyaniline heterostructures. Organic Electronics, 2008, 9, 602-608.	1.4	8
82	Carbon doped yttrium aluminum garnet (YAG:C)â€”A new phosphor for radiation dosimetry. Radiation Measurements, 2008, 43, 492-496.	0.7	33
83	Electrical bistability in electrografted 5-(4-undecenyloxyphenyl)-10,15,20-triphenylporphyrin monolayer on Si. Chemical Physics Letters, 2008, 453, 68-72.	1.2	16
84	Oxygen induced hysteretic current-voltage characteristics of iron-phthalocyanine thin films. Journal of Applied Physics, 2008, 104, .	1.1	21
85	Microscopic Understanding of Negative Magnetization in Cu, Mn, and Fe Based Prussian Blue Analogues. Physical Review Letters, 2008, 101, 207206.	2.9	67
86	DNA-Templated Assemblies of Nickel Hexacyanoferrate Crystals. Journal of Physical Chemistry B, 2008, 112, 6467-6472.	1.2	9
87	Synthesis of Tellurium Nanostructures by Physical Vapor Deposition and Their Growth Mechanism. Crystal Growth and Design, 2008, 8, 238-242.	1.4	54
88	Low temperature thermopower and electrical transport in misfit Ca3Co4O9with elongatedc-axis. Journal Physics D: Applied Physics, 2008, 41, 085414.	1.3	11
89	Effect of Fe substitution on the magnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:ms	1.1	20
90	Physical Review B, 2008, 77, . Spin-glass behavior in ferromagnetic Fe[Fe(CN)6]â‹…xH2O nanoparticles. Journal of Applied Physics, 2008, 103, 123902.	1.1	24

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91	Variation of structural and magnetic properties with composition in the(CoxNi1âˆ'x)1.5[Fe(CN)6]âˆ™zH2Oseries. Physical Review B, 2007, 75, .	1.1	45
92	Low current induced electroresistance in the polycrystalline La0.6Pb0.4MnO3 thin films. Journal of Applied Physics, 2007, 102, 043907.	1.1	4
93	Electrochemical grafting of octyltrichlorosilane monolayer on Si. Applied Physics Letters, 2007, 90, 113118.	1.5	16
94	Electrostatic ion trap and Fourier transform measurements for high-resolution mass spectrometry. Review of Scientific Instruments, 2007, 78, 083302.	0.6	24
95	Enhanced NO2 selectivity of hybrid poly(3-hexylthiophene): ZnO-nanowire thin films. Applied Physics Letters, 2007, 90, 043516.	1.5	61
96	Interfacial synthesis of long polyindole fibers. Journal of Applied Polymer Science, 2007, 103, 595-599.	1.3	51
97	Anomalous electrical transport properties of Ag/Al bilayers grown on Si by molecular beam epitaxy. Solid State Communications, 2007, 142, 200-205.	0.9	3
98	Time response and stability of porous silicon capacitive immunosensors. Biosensors and Bioelectronics, 2007, 22, 1027-1033.	5.3	14
99	Improved performance of polyaniline-uricase biosensor. Analytica Chimica Acta, 2007, 594, 17-23.	2.6	83
100	Preparation of nanofibrous polyaniline films and their application as ammonia gas sensor. Sensors and Actuators B: Chemical, 2007, 128, 286-292.	4.0	146
101	Growth of highly oriented crystalline polyaniline films by self-organization. Journal of Colloid and Interface Science, 2007, 313, 353-358.	5.0	33
102	Magneto-transport properties of nano-crystalline and poly-crystalline La0.6Pb0.4MnO3 thin films. Journal of Magnetism and Magnetic Materials, 2007, 313, 115-121.	1.0	5
103	Growth of nanostructures of Zn/ZnO by thermal evaporation and their application for room-temperature sensing of H 2 S gas. Applied Physics A: Materials Science and Processing, 2007, 87, 91-96.	1.1	39
104	ELECTROGRAFTING OF ORGANIC MONOLAYERS ON SILICON FOR MOLECULAR ELECTRONICS. , 2007, , .		0
105	Polymerâ€"Surfactant Layered Heterostructures by Electropolymerization of Phenosafranine in Langmuirâ€"Blodgett Films. Journal of Physical Chemistry B, 2006, 110, 24530-24540.	1.2	8
106	Thickness dependent morphology and resistivity of ultra-thin Al films grown on Si(111) by molecular beam epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1254-1258.	0.8	4
107	Role of interfaces on the direct tunneling and the inelastic tunneling behaviors through metal/alkylsilane/silicon junctions. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1464-1469.	0.8	19
108	Self assembled monolayers on silicon for molecular electronics. Analytica Chimica Acta, 2006, 568, 84-108.	2.6	450

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109	Dynamics of transition from metastable disordered state to ordered state of vortex structure in 2H-NbSe2 single crystals. Physica C: Superconductivity and Its Applications, 2006, 436, 1-6.	0.6	1
110	Effect of deposition conditions on the microstructure and gas-sensing characteristics of Te thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 131, 156-161.	1.7	18
111	SOM assembly of hydroxynaphthoquinone and its oxime: Polymorphic X-ray structures and EPR studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 130-138.	2.0	29
112	Highly sensitive hydrogen sulphide sensors operable at room temperature. Sensors and Actuators B: Chemical, 2006, 115, 270-275.	4.0	63
113	Growth and branching of CuO nanowires by thermal oxidation of copper. Journal of Crystal Growth, 2006, 289, 670-675.	0.7	242
114	Magneto-transport and ferromagnetic resonance studies of polycrystalline La0.6Pb0.4MnO3 thin films. Solid State Communications, 2006, 137, 456-461.	0.9	7
115	Correlation between extrinsic magnetoresistance and electroresistance in La0.6Pb0.4MnO3 thin films as revealed from currentâ€“voltage and ferromagnetic resonance studies. Solid State Communications, 2006, 138, 430-435.	0.9	3
116	Self-assembled films of nickel hexacyanoferrate: Electrochemical properties and application in potassium ion sensing. Thin Solid Films, 2006, 497, 259-266.	0.8	27
117	Crystalline thin films of transition metal hexacyanochromates grown under Langmuir monolayer. Thin Solid Films, 2006, 513, 325-330.	0.8	15
118	Reversible dehydration polymerization of terephthalate bridged [{Cu2(2,2â€²-bpy)2(tp)(H2O)3(NO3)}Â·H2OÂ·NO3]2. Mendeleev Communications, 2006, 16, 20-23.	0.6	5
119	A non-invasive ultrasonic gas sensor for binary gas mixtures. Sensors and Actuators B: Chemical, 2006, 115, 28-32.	4.0	30
120	Possible quantum critical point in(La1âˆ’xDyx)0.7Ca0.3MnO3. Physical Review B, 2006, 74, .	1.1	9
121	Slow magnetic relaxations in the anisotropic Heisenberg chain compound Mn(III) tetra(ortho-fluorophenyl)porphyrin-tetracyanoethylene. Physical Review B, 2006, 74, .	1.1	51
122	Room-Temperature Ionic Liquids: For a Difference in the Supramolecular Synthesis. Macromolecular Symposia, 2006, 241, 83-87.	0.4	15
123	Tunneling characteristics and resistivity behavior ofLa0.6Pb0.4MnO3grain boundaries. Physical Review B, 2006, 73, .	1.1	10
124	Room temperature operated ammonia gas sensor using polycarbazole Langmuirâ€“Blodgett film. Sensors and Actuators B: Chemical, 2005, 107, 277-282.	4.0	37
125	Detection of reducing gases by SnO2 thin films: an impedance spectroscopy study. Sensors and Actuators B: Chemical, 2005, 107, 360-365.	4.0	43
126	Anisotropic electrical transport studies of Ca3Co4O9 single crystals grown by the flux method. Journal of Crystal Growth, 2005, 277, 246-251.	0.7	33

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127	Morphology and resistivity of Al thin films grown on Si (111) by molecular beam epitaxy. Vacuum, 2005, 79, 178-185.	1.6	26
128	A study on Langmuirâ€“Blodgett films of conducting polycarbazole. Thin Solid Films, 2005, 493, 267-272.	0.8	10
129	Surface and electrical-transport studies of Ag/Al bilayer-structures grown by molecular beam epitaxy. Applied Surface Science, 2005, 243, 220-227.	3.1	10
130	Ferromagnetic resonance studies of nanocrystalline La0.6Pb0.4MnO3 thin films. Materials Letters, 2005, 59, 728-733.	1.3	14
131	Energetics of model compounds of water oxidizing complex containing quinone cofactors. Journal of Thermal Analysis and Calorimetry, 2005, 81, 75-82.	2.0	4
132	A Tunnel Current in Self-Assembled Monolayers of 3-Mercaptopropyltrimethoxysilane. Small, 2005, 1, 725-729.	5.2	53
133	A NEW GRIDLESS ION OPTICS FOR HIGH RESOLUTION TIME-OF-FLIGHT MASS SPECTROMETER. International Journal of Modern Physics B, 2005, 19, 2621-2626.	1.0	6
134	Morphology-dependent electric transport in textured ultrathin Al films grown on Si. Journal of Applied Physics, 2005, 98, 026103.	1.1	5
135	Sodium Chloride and Ethanol Induced Sphere to Rod Transition of Triblock Copolymer Micelles. Journal of Physical Chemistry B, 2005, 109, 5653-5658.	1.2	132
136	Magnetic properties of substitutional solid solutions of nickel and iron hexacyanoferrateâ€“hexacyanochromate. Philosophical Magazine, 2005, 85, 3659-3672.	0.7	11
137	Fowlerâ€“Nordheim tunnelling and electrically stressed breakdown of 3-mercaptopropyltrimethoxysilane self-assembled monolayers. Nanotechnology, 2005, 16, 3064-3068.	1.3	16
138	Magnetization and magnetotransport studies of Y Ba2Cu3O7ÂÂ/La1ÂxPbxMnO3heterostructures. Superconductor Science and Technology, 2004, 17, 342-346.	1.8	5
139	Polyanilineâ€“Prussian blue hybrid: synthesis and magnetic behaviour. Philosophical Magazine, 2004, 84, 2127-2138.	0.7	26
140	Growth and morphology of the single crystals of thermoelectric oxide material NaxCoO2. Crystal Research and Technology, 2004, 39, 572-576.	0.6	10
141	Evidence of ferromagnetic domains in the (La0.757Dy0.243)0.7Ca0.3MnO3 perovskite. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1288-1289.	1.0	3
142	Macroporous silicon based capacitive affinity sensorâ€”fabrication and electrochemical studies. Sensors and Actuators B: Chemical, 2004, 97, 334-343.	4.0	52
143	Room temperature operating ammonia sensor based on tellurium thin films. Sensors and Actuators B: Chemical, 2004, 98, 154-159.	4.0	81
144	Syntheses and crystal structures of three novel Cu(II) coordination polymers of different dimensionality constructed from Cu(II) carboxylates (carboxylate=malonate (mal), 2 acetate (ac),) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Polyhedron, 2004, 23, 3007-3019.	1.0	48

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145	Growth of nanocrystalline Pd films on Si (111). Applied Surface Science, 2004, 228, 302-305.	3.1	9
146	Polyaniline Nanoparticles Prepared in Rodlike Micelles. Langmuir, 2004, 20, 4874-4880.	1.6	63
147	Design of molecular magnets. Macromolecular Symposia, 2004, 212, 141-158.	0.4	3
148	Synthesis of surfactant encapsulated nickel hexacyanoferrate nanoparticles and deposition of their Langmuirâ€“Blodgett film. Journal of Materials Chemistry, 2004, 14, 1430-1436.	6.7	54
149	On the Presence of Cu1+ in the Superconducting (Hg,M)Sr2CuO4+Î´; M = Cr, Mo, or Re. Journal of Superconductivity and Novel Magnetism, 2003, 16, 581-584.	0.5	1
150	X-,K- and Q-band ESR studies on intercalated Fe0.9PS3(Phen)0.4. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 141-143.	1.0	8
151	EPR studies on BEDT-TTF intercalated MnPS3 molecular magnet. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 416-418.	1.0	9
152	In situ X-ray photoelectron spectroscopy of Ag/Al bilayers grown by molecular beam epitaxy. Journal of Crystal Growth, 2003, 256, 201-205.	0.7	15
153	Growth of cubic crystals of cobalt-hexacyanoferrate under the octadecyl amine monolayer. Journal of Crystal Growth, 2003, 258, 197-203.	0.7	31
154	Effect of interface pinning on dissipation, volume pinning force and measurement of upper critical magnetic field in MgB2 thin films. Physica C: Superconductivity and Its Applications, 2003, 385, 313-321.	0.6	9
155	Studies on the formation of Langmuir monolayer and Langmuirâ€“Blodgett films of octadecyl amine-bromocresol purple dye complex. Thin Solid Films, 2003, 440, 240-246.	0.8	12
156	Magnetic and electrical properties of(La1â^'xDyx)0.7Ca0.3MnO3perovskites. Physical Review B, 2003, 68, .	1.1	28
157	In-plane and out-of-plane anisotropic magnetoresistances in La1 â^'xPbxMnO3thin films. Philosophical Magazine, 2003, 83, 3181-3191.	0.7	5
158	Cold Rolled Texture and Microstructure in Types 304 and 316L Austenitic Stainless Steels. ISIJ International, 2003, 43, 1581-1589.	0.6	32
159	Iâ^'Vcharacteristic measurements to study the nature of the vortex state and dissipation inMgB2thin films. Physical Review B, 2002, 66, .	1.1	13
160	Crystallization of Prussian Blue Analogues at the Airâ^'Water Interface Using an Octadecylamine Monolayer as a Template. Langmuir, 2002, 18, 7409-7414.	1.6	46
161	Anisotropy of critical current density inc-axis-orientedMgB2thin films. Physical Review B, 2002, 65, .	1.1	14
162	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates. Inorganic Chemistry, 2002, 41, 5706-5715.	1.9	120

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163	Superconductivity in (Hg,Mo)Sr2CuO4+Î´ system. Materials Chemistry and Physics, 2002, 75, 144-146.	2.0	3
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