

JatiÇ¹der Vir Yakhmi

List of Publications by Year in descending order

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331
papers

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57758

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334
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334
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8302
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.	6.1	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(Nb _{0.87} Si _{0.09} â–;0.04)(NO _{0.87} O _{0.13}). Physical Review B, 2014, 90, .	3.2	4
8	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb _{0.87} Si _{0.09} â–;0.04)(NO _{0.87} O _{0.13}). Journal of Solid State Chemistry, 2014, 210, 238-241.	2.9	9
9	Microbial fuel cells to recover heavy metals. Environmental Chemistry Letters, 2014, 12, 483-494.	16.2	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.	1.8	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.	4.0	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.	3.2	8
18	Superconductivity in quaternary niobium oxynitrides containing main group elements (M=Mg, Al, Si). Journal of Solid State Chemistry, 2012, 188, 66-71.	2.9	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.	1.8	1
20	Conformational morphology of polyaniline grown on self-assembled monolayer modified silicon. Thin Solid Films, 2011, 520, 351-355.	1.8	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.	1.8	12
22	Temperature dependent H ₂ S and Cl ₂ sensing selectivity of Cr ₂ O ₃ thin films. Sensors and Actuators B: Chemical, 2011, 157, 466-472.	7.8	53
23	Improved charge conduction in cobalt-phthalocyanine thin films grown along 36.8° boundary of SrTiO ₃ bicrystals. Applied Physics Letters, 2011, 98, .	3.3	9
24	Nature of Magnetic Ordering in Molecular Magnet Mn[Fe(CN) ₆] ₂ ·3zH ₂ O. , 2011, , .		0
25	Characterization and Mössbauer Study of Ni _{0.45} Zn _{0.55} Fe ₂ O 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.	0.7	1
27	Thickness Dependent Magnetic Properties of Thin Films of Prussian Blue Analogue Fe _{1.5} [Cr(CN) ₆] ₂ ·7.5H ₂ O. , 2011, , .		0
28	Improved H ₂ S and Cl ₂ Sensing Characteristics of Pure and Au Incorporated WO 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.	0.4	8
32	Cu _{1.5} [Cr(CN) ₆] ₂ ·6.5H ₂ O nanoparticles: synthesis, characterization, and magnetic properties. Applied Physics A: Materials Science and Processing, 2010, 99, 79-83.	2.3	4
33	In-Vacuo thermal processing of λ -Al ₂ O ₃ single crystals in boron ambience and its implication on TL & OSL response. Journal of Luminescence, 2010, 130, 1308-1312.	3.1	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.	2.6	18
35	Langmuir-Blodgett films of ethylenedithiotetrathiafulvalene derivative containing hydroxyl groups. Thin Solid Films, 2010, 518, 5820-5826.	1.8	0
36	Growth of SnO ₂ /W ₁₈ O ₄₉ nanowire hierarchical heterostructure and their application as chemical sensor. Sensors and Actuators B: Chemical, 2010, 147, 453-460.	7.8	78

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37	In situ spectroscopic studies to investigate uncharacteristic NH ₃ sensing behavior of polycarbazole Langmuir-Blodgett films. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 7-11.	7.8	15
38	Sub-ppm H ₂ S sensing at room temperature using CuO thin films. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 90-96.	7.8	196
39	Diodes based on bilayers comprising of tetraphenyl porphyrin derivative and fullerene for hybrid nanoelectronics. <i>Chemical Physics Letters</i> , 2010, 485, 137-141.	2.6	15
40	Bis-porphyrin films as ppb level chemiresistive sensors. <i>Chemical Physics Letters</i> , 2010, 488, 27-31.	2.6	19
41	Negative differential resistance in electrografted layer of N-(2-(4-diazoniophenyl)ethyl)-N-hexylnaphthalene-1,8:4,5-tetracarboxydiimide tetrafluoroborate on Si. <i>Chemical Physics Letters</i> , 2010, 493, 135-140.	2.6	12
42	Clinical Investigations Effectiveness of two different HDR brachytherapy regimens with the same BED value in cervical cancer. <i>Journal of Contemporary Brachytherapy</i> , 2010, 2, 53-60.	0.9	2
43	Bias and temperature dependent charge transport in high mobility cobalt-phthalocyanine thin films. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	29
44	Enhancement of Curie temperature in electrochemically prepared crystalline thin films of Prussian blue analogs K ₂ FekII[CrIII(CN) ₆] ₂ ·xH ₂ O. <i>Journal of Applied Physics</i> , 2010, 108, 023916.	2.5	19
45	Cyanide-bridged Ru _x Ni _{3-3x/2} [Cr(CN) ₆] ₂ ·zH ₂ O molecular magnets: Controlling structural disorder and magnetic properties by a 4d ion (ruthenium) substitution. <i>Journal of Applied Physics</i> , 2010, 107, 053902.	2.5	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. <i>International Journal of Nanotechnology</i> , 2010, 7, 883.	0.2	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. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072057.	0.4	2
51	Room temperature ppb level Cl ₂ sensing using sulphonated copper phthalocyanine films. <i>Talanta</i> , 2010, 82, 1485-1489.	5.5	31
52	Electronic structure and magnetic properties of (Fe,Co)-codoped ZnO: Theory and experiment. <i>Physical Review B</i> , 2010, 81, .	3.2	33
53	Structural disorder in alkaline earth metal doped Ba _x Mn[Fe(CN) ₆] _{2(x+1)/3} ·zH ₂ O molecular magnets: a reverse Monte Carlo study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12208.	2.8	12
54	Temperature- and magnetic-field-controlled magnetic pole reversal in a molecular magnetic compound. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	118

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55	Elastic scattering of electrons from dimethylsulfide and dimethylsulfoxide. Physical Review A, 2009, 79, .	2.5	4
56	Charge transport in polypyrrole:ZnO-nanowires composite films. Applied Physics Letters, 2009, 95, 202106.	3.3	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.	0.6	1
59	Development of low resistance electrical contacts for thermoelectric devices based on n-type PbTe and p-type TAGS-85 ((AgSbTe ₂) _{0.15} (GeTe) _{0.85}). Journal Physics D: Applied Physics, 2009, 42, 015502.	2.8	73
60	Nuclear detectors based on n-silicon/copper phthalocyanine heterojunctions. Radiation Measurements, 2009, 44, 47-49.	1.4	7
61	NO ₂ sensors with room temperature operation and long term stability using copper phthalocyanine thin films. Sensors and Actuators B: Chemical, 2009, 143, 246-252.	7.8	72
62	Molecule-based magnets. Bulletin of Materials Science, 2009, 32, 217-225.	1.7	14
63	Poly(3-hexylthiophene) based field-effect transistors with gate SiO ₂ dielectric modified by multi-layers of 3-aminopropyltrimethoxysilane. Thin Solid Films, 2009, 517, 6124-6128.	1.8	7
64	Copper doped SnO ₂ nanowires as highly sensitive H ₂ S gas sensor. Sensors and Actuators B: Chemical, 2009, 138, 587-590.	7.8	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.	2.7	51
66	Parts-per-billion level chlorine sensors with fast kinetics using ultrathin cobalt phthalocyanine films. Chemical Physics Letters, 2009, 480, 185-188.	2.6	35
67	Impedance model of electrolyte-insulator-semiconductor structure with porous silicon semiconductor. Electrochimica Acta, 2009, 54, 3781-3787.	5.2	15
68	Self-assembled and electrochemically deposited mono/multilayers for molecular electronics applications. Applied Surface Science, 2009, 256, 407-413.	6.1	8
69	Morphology and structure of highly crystalline polyaniline films. Synthetic Metals, 2009, 159, 1067-1071.	3.9	17
70	Chlorine gas sensors using one-dimensional tellurium nanostructures. Talanta, 2009, 77, 1567-1572.	5.5	28
71	Elastic differential cross sections for electron scattering from S and C	2.5	5
72	ZnO-nanowires modified polypyrrole films as highly selective and sensitive chlorine sensors. Applied Physics Letters, 2009, 94, .	3.3	54

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73	Temperature Dependent Current-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 H ₂ S gas sensing at ppb level by single crystal In ₂ O ₃ whiskers. Sensors and Actuators B: Chemical, 2008, 133, 456-461.	7.8	258
78	Self-assembly of the 3-aminopropyltrimethoxysilane multilayers on Si and hysteretic current-voltage characteristics. Applied Physics A: Materials Science and Processing, 2008, 90, 581-589.	2.3	121
79	Resistive memory effect in self-assembled 3-aminopropyltrimethoxysilane molecular multilayers. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 373-377.	1.8	11
80	Growth of iron phthalocyanine nanoweb and nanobrush using molecular beam epitaxy. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 154-163.	2.7	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.	2.6	8
82	Carbon doped yttrium aluminum garnet (YAG:C)â€”A new phosphor for radiation dosimetry. Radiation Measurements, 2008, 43, 492-496.	1.4	33
83	Electrical bistability in electrografted 5-(4-undecenyloxyphenyl)-10,15,20-triphenylporphyrin monolayer on Si. Chemical Physics Letters, 2008, 453, 68-72.	2.6	16
84	Oxygen induced hysteretic current-voltage characteristics of iron-phthalocyanine thin films. Journal of Applied Physics, 2008, 104, .	2.5	21
85	Microscopic Understanding of Negative Magnetization in Cu, Mn, and Fe Based Prussian Blue Analogues. Physical Review Letters, 2008, 101, 207206.	7.8	67
86	DNA-Templated Assemblies of Nickel Hexacyanoferrate Crystals. Journal of Physical Chemistry B, 2008, 112, 6467-6472.	2.6	9
87	Synthesis of Tellurium Nanostructures by Physical Vapor Deposition and Their Growth Mechanism. Crystal Growth and Design, 2008, 8, 238-242.	3.0	54
88	Low temperature thermopower and electrical transport in misfit Ca ₃ Co ₄ O ₉ with elongatedc-axis. Journal Physics D: Applied Physics, 2008, 41, 085414.	2.8	11
89	Effect of Fe substitution on the magnetic ordering in $\text{Ca}_{3-x}\text{Fe}_x\text{Co}_{4-x}\text{O}_9$. Physical Review B, 2008, 77, .	3.2	20
90	Spin-glass behavior in ferromagnetic Fe[Fe(CN) ₆] \cdot xH ₂ O nanoparticles. Journal of Applied Physics, 2008, 103, 123902.	2.5	24

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91	Variation of structural and magnetic properties with composition in the $(\text{Co}_x\text{Ni}_{1-x})_{1.5}[\text{Fe}(\text{CN})_6]_z\text{H}_2\text{O}$ series. <i>Physical Review B</i> , 2007, 75, .	3.2	45
92	Low current induced electroresistance in the polycrystalline $\text{La}_{0.6}\text{Pb}_{0.4}\text{MnO}_3$ thin films. <i>Journal of Applied Physics</i> , 2007, 102, 043907.	2.5	4
93	Electrochemical grafting of octyltrichlorosilane monolayer on Si. <i>Applied Physics Letters</i> , 2007, 90, 113118.	3.3	16
94	Electrostatic ion trap and Fourier transform measurements for high-resolution mass spectrometry. <i>Review of Scientific Instruments</i> , 2007, 78, 083302.	1.3	24
95	Enhanced NO_2 selectivity of hybrid poly(3-hexylthiophene): ZnO -nanowire thin films. <i>Applied Physics Letters</i> , 2007, 90, 043516.	3.3	61
96	Interfacial synthesis of long polyindole fibers. <i>Journal of Applied Polymer Science</i> , 2007, 103, 595-599.	2.6	51
97	Anomalous electrical transport properties of Ag/Al bilayers grown on Si by molecular beam epitaxy. <i>Solid State Communications</i> , 2007, 142, 200-205.	1.9	3
98	Time response and stability of porous silicon capacitive immunosensors. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1027-1033.	10.1	14
99	Improved performance of polyaniline-uricase biosensor. <i>Analytica Chimica Acta</i> , 2007, 594, 17-23.	5.4	83
100	Preparation of nanofibrous polyaniline films and their application as ammonia gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 286-292.	7.8	146
101	Growth of highly oriented crystalline polyaniline films by self-organization. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 353-358.	9.4	33
102	Magneto-transport properties of nano-crystalline and poly-crystalline $\text{La}_{0.6}\text{Pb}_{0.4}\text{MnO}_3$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 313, 115-121.	2.3	5
103	Growth of nanostructures of Zn/ZnO by thermal evaporation and their application for room-temperature sensing of H_2S gas. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 91-96.	2.3	39
104	ELECTROGRAFTING OF ORGANIC MONOLAYERS ON SILICON FOR MOLECULAR ELECTRONICS. , 2007, , .		0
105	Polymer- π -Surfactant Layered Heterostructures by Electropolymerization of Phenosafranine in Langmuir-Blodgett Films. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24530-24540.	2.6	8
106	Thickness dependent morphology and resistivity of ultra-thin Al films grown on $\text{Si}(111)$ by molecular beam epitaxy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1254-1258.	1.8	4
107	Role of interfaces on the direct tunneling and the inelastic tunneling behaviors through metal/alkylsilane/silicon junctions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1464-1469.	1.8	19
108	Self assembled monolayers on silicon for molecular electronics. <i>Analytica Chimica Acta</i> , 2006, 568, 84-108.	5.4	450

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109	Dynamics of transition from metastable disordered state to ordered state of vortex structure in 2H-NbSe ₂ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 436, 1-6.	1.2	1
110	Effect of deposition conditions on the microstructure and gas-sensing characteristics of Te thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 131, 156-161.	3.5	18
111	SOM assembly of hydroxynaphthoquinone and its oxime: Polymorphic X-ray structures and EPR studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 130-138.	3.9	29
112	Highly sensitive hydrogen sulphide sensors operable at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 270-275.	7.8	63
113	Growth and branching of CuO nanowires by thermal oxidation of copper. <i>Journal of Crystal Growth</i> , 2006, 289, 670-675.	1.5	242
114	Magneto-transport and ferromagnetic resonance studies of polycrystalline La _{0.6} Pb _{0.4} MnO ₃ thin films. <i>Solid State Communications</i> , 2006, 137, 456-461.	1.9	7
115	Correlation between extrinsic magnetoresistance and electroresistance in La _{0.6} Pb _{0.4} MnO ₃ thin films as revealed from current-voltage and ferromagnetic resonance studies. <i>Solid State Communications</i> , 2006, 138, 430-435.	1.9	3
116	Self-assembled films of nickel hexacyanoferrate: Electrochemical properties and application in potassium ion sensing. <i>Thin Solid Films</i> , 2006, 497, 259-266.	1.8	27
117	Crystalline thin films of transition metal hexacyanochromates grown under Langmuir monolayer. <i>Thin Solid Films</i> , 2006, 513, 325-330.	1.8	15
118	Reversible dehydration polymerization of terephthalate bridged [Cu ₂ (2,2'-bpy) ₂ (tp)(H ₂ O) ₃ (NO ₃)]·H ₂ O·NO ₃ . <i>Mendeleev Communications</i> , 2006, 16, 20-23.	1.6	5
119	A non-invasive ultrasonic gas sensor for binary gas mixtures. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 28-32.	7.8	30
120	Possible quantum critical point in (La _{1-x} Dy _x) _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review B</i> , 2006, 74, .	3.2	9
121	Slow magnetic relaxations in the anisotropic Heisenberg chain compound Mn(III) tetra(ortho-fluorophenyl)porphyrin-tetracyanoethylene. <i>Physical Review B</i> , 2006, 74, .	3.2	51
122	Room-Temperature Ionic Liquids: For a Difference in the Supramolecular Synthesis. <i>Macromolecular Symposia</i> , 2006, 241, 83-87.	0.7	15
123	Tunneling characteristics and resistivity behavior of La _{0.6} Pb _{0.4} MnO ₃ grain boundaries. <i>Physical Review B</i> , 2006, 73, .	3.2	10
124	Room temperature operated ammonia gas sensor using polycarbazole Langmuir-Blodgett film. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 277-282.	7.8	37
125	Detection of reducing gases by SnO ₂ thin films: an impedance spectroscopy study. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 360-365.	7.8	43
126	Anisotropic electrical transport studies of Ca ₃ Co ₄ O ₉ single crystals grown by the flux method. <i>Journal of Crystal Growth</i> , 2005, 277, 246-251.	1.5	33

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127	Morphology and resistivity of Al thin films grown on Si (111) by molecular beam epitaxy. <i>Vacuum</i> , 2005, 79, 178-185.	3.5	26
128	A study on Langmuir-Blodgett films of conducting polycarbazole. <i>Thin Solid Films</i> , 2005, 493, 267-272.	1.8	10
129	Surface and electrical-transport studies of Ag/Al bilayer-structures grown by molecular beam epitaxy. <i>Applied Surface Science</i> , 2005, 243, 220-227.	6.1	10
130	Ferromagnetic resonance studies of nanocrystalline La _{0.6} Pb _{0.4} MnO ₃ thin films. <i>Materials Letters</i> , 2005, 59, 728-733.	2.6	14
131	Energetics of model compounds of water oxidizing complex containing quinone cofactors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 81, 75-82.	3.6	4
132	A Tunnel Current in Self-Assembled Monolayers of 3-Mercaptopropyltrimethoxysilane. <i>Small</i> , 2005, 1, 725-729.	10.0	53
133	A NEW GRIDLESS ION OPTICS FOR HIGH RESOLUTION TIME-OF-FLIGHT MASS SPECTROMETER. <i>International Journal of Modern Physics B</i> , 2005, 19, 2621-2626.	2.0	6
134	Morphology-dependent electric transport in textured ultrathin Al films grown on Si. <i>Journal of Applied Physics</i> , 2005, 98, 026103.	2.5	5
135	Sodium Chloride and Ethanol Induced Sphere to Rod Transition of Triblock Copolymer Micelles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5653-5658.	2.6	132
136	Magnetic properties of substitutional solid solutions of nickel and iron hexacyanoferrate-hexacyanochromate. <i>Philosophical Magazine</i> , 2005, 85, 3659-3672.	1.6	11
137	Fowler-Nordheim tunnelling and electrically stressed breakdown of 3-mercaptopropyltrimethoxysilane self-assembled monolayers. <i>Nanotechnology</i> , 2005, 16, 3064-3068.	2.6	16
138	Magnetization and magnetotransport studies of YBa ₂ Cu ₃ O _{7-δ} /La _{1-x} Pb _x MnO ₃ heterostructures. <i>Superconductor Science and Technology</i> , 2004, 17, 342-346.	3.5	5
139	Polyaniline-Prussian blue hybrid: synthesis and magnetic behaviour. <i>Philosophical Magazine</i> , 2004, 84, 2127-2138.	1.6	26
140	Growth and morphology of the single crystals of thermoelectric oxide material Na _x CoO ₂ . <i>Crystal Research and Technology</i> , 2004, 39, 572-576.	1.3	10
141	Evidence of ferromagnetic domains in the (La _{0.757} Dy _{0.243}) _{0.7} Ca _{0.3} MnO ₃ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1288-1289.	2.3	3
142	Macroporous silicon based capacitive affinity sensor-fabrication and electrochemical studies. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 334-343.	7.8	52
143	Room temperature operating ammonia sensor based on tellurium thin films. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 154-159.	7.8	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),) <i>Tetrahedron</i> , 2004, 23, 3007-3019.	2.2	48

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145	Growth of nanocrystalline Pd films on Si (111). <i>Applied Surface Science</i> , 2004, 228, 302-305.	6.1	9
146	Polyaniline Nanoparticles Prepared in Rodlike Micelles. <i>Langmuir</i> , 2004, 20, 4874-4880.	3.5	63
147	Design of molecular magnets. <i>Macromolecular Symposia</i> , 2004, 212, 141-158.	0.7	3
148	Synthesis of surfactant encapsulated nickel hexacyanoferrate nanoparticles and deposition of their Langmuir-Blodgett film. <i>Journal of Materials Chemistry</i> , 2004, 14, 1430-1436.	6.7	54
149	On the Presence of Cu ¹⁺ in the Superconducting (Hg,M)Sr ₂ CuO ₄ + δ ; M = Cr, Mo, or Re. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 581-584.	0.5	1
150	X-,K- and Q-band ESR studies on intercalated Fe _{0.9} PS ₃ (Phen) _{0.4} . <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 141-143.	2.3	8
151	EPR studies on BEDT-TTF intercalated MnPS ₃ molecular magnet. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 416-418.	2.3	9
152	In situ X-ray photoelectron spectroscopy of Ag/Al bilayers grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2003, 256, 201-205.	1.5	15
153	Growth of cubic crystals of cobalt-hexacyanoferrate under the octadecyl amine monolayer. <i>Journal of Crystal Growth</i> , 2003, 258, 197-203.	1.5	31
154	Effect of interface pinning on dissipation, volume pinning force and measurement of upper critical magnetic field in MgB ₂ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 385, 313-321.	1.2	9
155	Studies on the formation of Langmuir monolayer and Langmuir-Blodgett films of octadecyl amine-bromocresol purple dye complex. <i>Thin Solid Films</i> , 2003, 440, 240-246.	1.8	12
156	Magnetic and electrical properties of (La _{1-x} Dy _x) _{0.7} Ca _{0.3} MnO ₃ perovskites. <i>Physical Review B</i> , 2003, 68, .	3.2	28
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