

# JatiÇ<sup>1</sup>der Vir Yakhmi

## List of Publications by Year in descending order

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331  
papers

7,653  
citations

57758

44  
h-index

71685

76  
g-index

334  
all docs

334  
docs citations

334  
times ranked

8302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self assembled monolayers on silicon for molecular electronics. <i>Analytica Chimica Acta</i> , 2006, 568, 84-108.	5.4	450
2	Spin-density-wave antiferromagnetism in chromium alloys. <i>Reviews of Modern Physics</i> , 1994, 66, 25-127.	45.6	404
3	Room-temperature H <sub>2</sub> S gas sensing at ppb level by single crystal In <sub>2</sub> O <sub>3</sub> whiskers. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 456-461.	7.8	258
4	Growth and branching of CuO nanowires by thermal oxidation of copper. <i>Journal of Crystal Growth</i> , 2006, 289, 670-675.	1.5	242
5	A Three-Dimensional Ferrimagnet with a High Magnetic Transition Temperature (TC) of 53 K Based on a Chiral Molecule. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4242-4245.	13.8	226
6	Sub-ppm H <sub>2</sub> S sensing at room temperature using CuO thin films. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 90-96.	7.8	196
7	Copper doped SnO <sub>2</sub> nanowires as highly sensitive H <sub>2</sub> S gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 587-590.	7.8	155
8	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
9	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
10	Microbial fuel cells to recover heavy metals. <i>Environmental Chemistry Letters</i> , 2014, 12, 483-494.	16.2	124
11	Dramatic Modifications of Magnetic Properties through Dehydration~Rehydration Processes of the Molecular Magnetic Sponges CoCu(obbz)(H <sub>2</sub> O) <sub>4</sub> ·2H <sub>2</sub> O and CoCu(obze)(H <sub>2</sub> O) <sub>4</sub> ·2H <sub>2</sub> O, with obbz = N,N'-Bis(2-carboxyphenyl)oxamido and obze = N-(2-Carboxyphenyl)-N'-(carboxymethyl)oxamido. <i>Inorganic Chemistry</i> , 1997, 36, 6374-6381.	4.0	123
12	Self-assembly of the 3-aminopropyltrimethoxysilane multilayers on Si and hysteretic current~voltage characteristics. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 581-589.	2.3	121
13	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates. <i>Inorganic Chemistry</i> , 2002, 41, 5706-5715.	4.0	120
14	XPS and AFM investigations of annealing induced surface modifications of MgO single crystals. <i>Journal of Crystal Growth</i> , 2002, 236, 661-666.	1.5	120
15	Temperature- and magnetic-field-controlled magnetic pole reversal in a molecular magnetic compound. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	118
16	Stabilizing the high-T <sub>c</sub> superconductor Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10+x</sub> by Pb substitution. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 251-255.	1.2	116
17	Hepta/octa cyanomolybdates with Fe <sup>2+</sup> : influence of the valence state of Mo on the magnetic behavior. <i>New Journal of Chemistry</i> , 2000, 24, 871-876.	2.8	86
18	Improved performance of polyaniline-uricase biosensor. <i>Analytica Chimica Acta</i> , 2007, 594, 17-23.	5.4	83

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19	Growth of Cationic Micelles in the Presence of Organic Additives. <i>Langmuir</i> , 2000, 16, 7187-7191.	3.5	82
20	Room temperature operating ammonia sensor based on tellurium thin films. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 154-159.	7.8	81
21	Growth of SnO <sub>2</sub> /W <sub>18</sub> O <sub>49</sub> nanowire hierarchical heterostructure and their application as chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 453-460.	7.8	78
22	Microbial fuel cells – Applications for generation of electrical power and beyond. <i>Critical Reviews in Microbiology</i> , 2016, 42, 127-143.	6.1	78
23	Development of low resistance electrical contacts for thermoelectric devices based on n-type PbTe and p-type TAGS-85 ((AgSbTe) <sub>2</sub> ) <sub>0.15</sub> (GeTe) <sub>0.85</sub> ). <i>Journal Physics D: Applied Physics</i> , 2009, 42, 015502.	2.8	73
24	NO <sub>2</sub> sensors with room temperature operation and long term stability using copper phthalocyanine thin films. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 246-252.	7.8	72
25	Microscopic Understanding of Negative Magnetization in Cu, Mn, and Fe Based Prussian Blue Analogues. <i>Physical Review Letters</i> , 2008, 101, 207206.	7.8	67
26	Polyaniline Nanoparticles Prepared in Rodlike Micelles. <i>Langmuir</i> , 2004, 20, 4874-4880.	3.5	63
27	Highly sensitive hydrogen sulphide sensors operable at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 270-275.	7.8	63
28	Enhanced NO <sub>2</sub> selectivity of hybrid poly(3-hexylthiophene): ZnO-nanowire thin films. <i>Applied Physics Letters</i> , 2007, 90, 043516.	3.3	61
29	Redox behavior of polyaniline as influenced by aromatic sulphonate anions: cyclic voltammetry and molecular modeling. <i>Synthetic Metals</i> , 2001, 125, 401-413.	3.9	60
30	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
31	Synthesis of Tellurium Nanostructures by Physical Vapor Deposition and Their Growth Mechanism. <i>Crystal Growth and Design</i> , 2008, 8, 238-242.	3.0	54
32	ZnO-nanowires modified polypyrrole films as highly selective and sensitive chlorine sensors. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	54
33	Possible role of Cu <sub>2</sub> +Cu <sup>+</sup> pairs in the superconductivity of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> from electron spin resonance observations. <i>Nature</i> , 1987, 330, 49-51.	27.8	53
34	Magnetic and electrical properties of La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> as influenced by substitution of Cr. <i>Physica B: Condensed Matter</i> , 2000, 275, 308-315.	2.7	53
35	A Tunnel Current in Self-Assembled Monolayers of 3-Mercaptopropyltrimethoxysilane. <i>Small</i> , 2005, 1, 725-729.	10.0	53
36	Temperature dependent H <sub>2</sub> S and Cl <sub>2</sub> sensing selectivity of Cr <sub>2</sub> O <sub>3</sub> thin films. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 466-472.	7.8	53

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37	Macroporous silicon based capacitive affinity sensorâ€™ fabrication and electrochemical studies. Sensors and Actuators B: Chemical, 2004, 97, 334-343.	7.8	52
38	Slow magnetic relaxations in the anisotropic Heisenberg chain compound Mn(III) tetra(ortho-fluorophenyl)porphyrin-tetracyanoethylene. Physical Review B, 2006, 74, .	3.2	51
39	Interfacial synthesis of long polyindole fibers. Journal of Applied Polymer Science, 2007, 103, 595-599.	2.6	51
40	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
41	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 ETQq1 1 0.784314 rgBT/Overlook Polyhedron, 2004, 23, 3007-3019.	2.2	48
42	Stabilization of superconductivity in TlBa <sub>2</sub> CuO <sub>5</sub> â€™ at 9.5 K and its enhancement to 43 K in TlBaSrCuO <sub>5</sub> â€™. Physica C: Superconductivity and Its Applications, 1991, 175, 183-186.	1.2	46
43	Crystallization of Prussian Blue Analogues at the Airâ€™Water Interface Using an Octadecylamine Monolayer as a Template. Langmuir, 2002, 18, 7409-7414.	3.5	46
44	Variation of structural and magnetic properties with composition in the(Co <sub>x</sub> Ni <sub>1â€™x</sub> ) <sub>1.5</sub> [Fe(CN) <sub>6</sub> ] <sub>â€™</sub> zH <sub>2</sub> Oseries. Physical Review B, 2007, 75, .	3.2	45
45	Detection of reducing gases by SnO <sub>2</sub> thin films: an impedance spectroscopy study. Sensors and Actuators B: Chemical, 2005, 107, 360-365.	7.8	43
46	Does the LaMnO <sub>3</sub> phase accept Ce-doping?. Journal of Physics Condensed Matter, 2000, 12, L719-L722.	1.8	42
47	Influence of the size of dopant ion on ferromagnetic behavior of Ln <sub>0.7</sub> A <sub>0.3</sub> CoO <sub>3</sub> system [Ln=La, Nd; and A=Ca, (Ca, Sr), Sr, (Sr, Ba), Ba]. Physica B: Condensed Matter, 1999, 271, 116-124.	2.7	41
48	Growth of nanostructures of Zn/ZnO by thermal evaporation and their application for room-temperature sensing of H <sub>2</sub> S gas. Applied Physics A: Materials Science and Processing, 2007, 87, 91-96.	2.3	39
49	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
50	Zero resistance at 120 K in Bi(Pb)-Ca-Sr-Cu oxide. Physica C: Superconductivity and Its Applications, 1989, 157, 491-494.	1.2	38
51	Novel structural features of Pb-stabilised Bi-2223 high-T <sub>c</sub> phase from neutron-diffraction study. Physica C: Superconductivity and Its Applications, 1990, 167, 291-296.	1.2	38
52	Dc and ac magnetic properties of the two-dimensional molecular-based ferrimagnetic materials A <sub>2</sub> M <sub>2</sub> [Cu(opba)] <sub>3</sub> nsolv [A+=cation, MII=MnII or CoII, opba=ortho-phenylenebis(oxamato) and solv=solvent molecule]. Journal of Materials Chemistry, 1997, 7, 1263-1270.	6.7	37
53	Stability of the layered Sr <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> structure in La <sub>1.2</sub> (Sr <sub>1-x</sub> Cax) <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Journal of Physics Condensed Matter, 2000, 12, 1683-1689.	1.8	37
54	Room temperature operated ammonia gas sensor using polycarbazole Langmuirâ€™Blodgett film. Sensors and Actuators B: Chemical, 2005, 107, 277-282.	7.8	37

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55	Evidence for K-substitution in the Tl-sites of superconducting $Tl_2CaBa_2Cu_2O_{7-x}$ : Neutron diffraction studies. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 599-603.	1.2	35
56	Parts-per-billion level chlorine sensors with fast kinetics using ultrathin cobalt phthalocyanine films. <i>Chemical Physics Letters</i> , 2009, 480, 185-188.	2.6	35
57	Slow Magnetic Relaxations in Manganese(III) Tetra(meta-fluorophenyl)porphyrin-tetracyanoethenide. Comparison with the Relative Single Chain Magnet ortho Compound. <i>Inorganic Chemistry</i> , 2012, 51, 9983-9994.	4.0	34
58	Anisotropic electrical transport studies of $Ca_3Co_4O_9$ single crystals grown by the flux method. <i>Journal of Crystal Growth</i> , 2005, 277, 246-251.	1.5	33
59	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
60	Carbon doped yttrium aluminum garnet (YAG:C) as a new phosphor for radiation dosimetry. <i>Radiation Measurements</i> , 2008, 43, 492-496.	1.4	33
61	Electronic structure and magnetic properties of (Fe,Co)-codoped ZnO: Theory and experiment. <i>Physical Review B</i> , 2010, 81, .	3.2	33
62	Example of a single trans-azido-bridged Mn(II) chain: synthesis, structural and magnetic characteristics. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 778-782.	2.4	32
63	Cold Rolled Texture and Microstructure in Types 304 and 316L Austenitic Stainless Steels. <i>ISIJ International</i> , 2003, 43, 1581-1589.	1.4	32
64	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
65	Room temperature ppb level $Cl_2$ sensing using sulphonated copper phthalocyanine films. <i>Talanta</i> , 2010, 82, 1485-1489.	5.5	31
66	A non-invasive ultrasonic gas sensor for binary gas mixtures. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 28-32.	7.8	30
67	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
68	Bias and temperature dependent charge transport in high mobility cobalt-phthalocyanine thin films. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	29
69	Superconductivity of Bi-2201 (n=1) as influenced by the substitution of Pb and/or rare-earths (R=La, Nd) $T_c$ vs $x$ . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 411, 1-10.	1.2	28
70	Magnetization behavior of $(NBu_4)_2Mn_2[Cu(opba)]_3$ and related solvated ferromagnets. <i>Journal of Applied Physics</i> , 1996, 79, 5260.	2.5	28
71	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
72	Chlorine gas sensors using one-dimensional tellurium nanostructures. <i>Talanta</i> , 2009, 77, 1567-1572.	5.5	28

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73	X-ray diffraction coupled thermogravimetric investigations of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Solid State Communications, 1987, 64, 1429-1433.	1.9	27
74	Towards the synthesis of the single-phase Bi-2223 superconductor from stoichiometric (Bi, $\text{Tl}$ ) $\text{ETQqO}_0\text{O}_0\text{rgBT}$ / Overlock 10 Tf, 50 702 T	1.2	27
75	Self-assembled films of nickel hexacyanoferrate: Electrochemical properties and application in potassium ion sensing. Thin Solid Films, 2006, 497, 259-266.	1.8	27
76	Polyaniline-Prussian blue hybrid: synthesis and magnetic behaviour. Philosophical Magazine, 2004, 84, 2127-2138.	1.6	26
77	Morphology and resistivity of Al thin films grown on Si (111) by molecular beam epitaxy. Vacuum, 2005, 79, 178-185.	3.5	26
78	Zero electrical resistance at 106 K in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . Nature, 1987, 327, 604-605.	27.8	25
79	Superconducting transition temperature of single-phase Tl-2223: Crucial role of Ca-vacancies and Tl-content. Physica C: Superconductivity and Its Applications, 1989, 160, 155-160.	1.2	24
80	Electrostatic ion trap and Fourier transform measurements for high-resolution mass spectrometry. Review of Scientific Instruments, 2007, 78, 083302.	1.3	24
81	Spin-glass behavior in ferromagnetic $\text{Fe}[\text{Fe}(\text{CN})_6]_x \cdot n\text{H}_2\text{O}$ nanoparticles. Journal of Applied Physics, 2008, 103, 123902.	2.5	24
82	Electrical conductivity and magnetic behavior of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ as influenced by substitution of Co. Physica B: Condensed Matter, 1999, 266, 332-339.	2.7	23
83	Superconducting behaviour of $\text{Bi}_{1.7}\text{Pb}_{0.2}\text{Sb}_{0.1}\text{Ca}_{2.0}\text{Sr}_{2.0}\text{Cu}_{2.8}\text{O}_x$ . Solid State Communications, 1989, 71, 935-938.	1.9	22
84	Magnetism as a functionality at the molecular level. Physica B: Condensed Matter, 2002, 321, 204-212.	2.7	22
85	Synthesis and properties of a 125 K superconductor in the $\text{Tl}-\text{Ca}-\text{Ba}-\text{Cu}-\text{O}$ system. Applied Physics Letters, 1988, 53, 414-416.	3.3	21
86	Oxygen induced hysteretic current-voltage characteristics of iron-phthalocyanine thin films. Journal of Applied Physics, 2008, 104, .	2.5	21
87	On the coordination of bismuth in $\text{Bi}_2\text{CaSr}_2\text{Cu}_2\text{O}_8$ - A2aa/Amaa structures revisited. Physica C: Superconductivity and Its Applications, 1989, 157, 515-519.	1.2	20
88	An EPR study of spin correlations and existence of ordered and disordered phases in $(\text{NBu}_4)_2\text{Mn}_2[\text{Cu}(\text{opba})]_3 \cdot 6\text{DMSO} \cdot \text{H}_2\text{O}$ . Chemical Physics Letters, 1997, 281, 292-296.	2.6	20
89	Effect of Fe substitution on the magnetic ordering in $\text{Ca}_{1-x}\text{Fe}_x\text{Mn}_3$ $\text{O}_{10}$ . Physical Review B, 2008, 77, 014407.	3.2	20
90	$\text{TlCaBaSrCu}_2\text{O}_7$ , a new 94 K superconductor. Physica C: Superconductivity and Its Applications, 1991, 172, 450-454.	1.2	19

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91	Flux-pinning behavior and the interlayer coupling of the $\text{Hg}_{0.7}\text{Cr}_{0.3}\text{Sr}_2\text{CuO}_4$ superconductor. <i>Physical Review B</i> , 1998, 58, 538-543.	3.2	19
92	Effect of Dy substitution for La in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ perovskite. <i>Journal of Alloys and Compounds</i> , 2001, 326, 89-93.	5.5	19
93	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
94	Bis-porphyrin films as ppb level chemiresistive sensors. <i>Chemical Physics Letters</i> , 2010, 488, 27-31.	2.6	19
95	Enhancement of Curie temperature in electrochemically prepared crystalline thin films of Prussian blue analogs $\text{K}_2\text{Fe}(\text{CN})_6 \cdot x\text{H}_2\text{O}$ . <i>Journal of Applied Physics</i> , 2010, 108, 023916.	2.5	19
96	Effect of argon-annealing and subsequent oxygen-annealing on the superconductivity and structure of $\text{Tl}_2\text{CaBa}_2\text{Cu}_2\text{O}_{8-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 159, 811-815.	1.2	18
97	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
98	Role of structural disorder in charge transport properties of cobalt phthalocyanine thin films grown by molecular-beam epitaxy. <i>Organic Electronics</i> , 2010, 11, 1835-1843.	2.6	18
99	High temperature x-ray powder diffractometric studies of the superconducting compound $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ from room temperature to 1300 K in air. <i>Solid State Communications</i> , 1987, 64, 329-333.	1.9	17
100	Application of Aligned ZnO Nanowires/Nanobelts as a Room Temperature NO Gas Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5293-5297.	0.9	17
101	Morphology and structure of highly crystalline polyaniline films. <i>Synthetic Metals</i> , 2009, 159, 1067-1071.	3.9	17
102	A neutron diffraction study of the structure of $\text{Bi}_{1.6}\text{Pb}_{0.4}\text{Ca}_1\text{Sr}_2\text{Cu}_2\text{O}_y$ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 173, 267-273.	1.2	16
103	Ambient pressure synthesis and neutron structure analysis of $\text{YBa}_2\text{Cu}_4\text{O}_8$ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 182, 67-72.	1.2	16
104	On the evolution of superconductivity in $\text{La}_{1.5-x}\text{Ba}_{1.5-x}\text{Ca}_2\text{Cu}_3\text{O}_{7-\delta}$ ( $0 \leq x \leq 1.0$ ). <i>Physica C: Superconductivity and Its Applications</i> , 1993, 208, 143-148.	1.2	16
105	EPR studies on $(\text{NBu}_4)_2\text{Co}_2[\text{Cu}(\text{opba})]_3 \cdot \text{S}$ , where opba=ortho-phenylenebis(oxamato) and S=Solvent: unusual case of long-range magnetic order in weakly interacting systems. <i>Chemical Physics Letters</i> , 2002, 357, 457-463.	2.6	16
106	Fowler-Nordheim tunnelling and electrically stressed breakdown of 3-mercaptopropyltrimethoxysilane self-assembled monolayers. <i>Nanotechnology</i> , 2005, 16, 3064-3068.	2.6	16
107	Electrochemical grafting of octyltrichlorosilane monolayer on Si. <i>Applied Physics Letters</i> , 2007, 90, 113118.	3.3	16
108	Electrical bistability in electrografted 5-(4-undecenyloxyphenyl)-10,15,20-triphenylporphyrin monolayer on Si. <i>Chemical Physics Letters</i> , 2008, 453, 68-72.	2.6	16

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109	Charge transport in polypyrrole:ZnO-nanowires composite films. Applied Physics Letters, 2009, 95, 202106.	3.3	16
110	Interfacial engineering of nanoparticles for cancer therapeutics. , 2017, , 177-209.		16
111	Electrical resistivity and the magnetic phase transitions of CrMn alloys. Journal of Physics F: Metal Physics, 1984, 14, 923-929.	1.6	15
112	Magnetism and mixed valence in some R <sub>2</sub> M <sub>3</sub> X <sub>5</sub> compounds: R = Ce, Eu, U; M = d metals, X = Si, Ge. Materials Research Bulletin, 1988, 23, 1781-1785.	5.2	15
113	Photo-induced changes in magnetic order in the molecular magnet (NBu <sub>4</sub> ) <sub>2</sub> Mn <sub>2</sub> [Cu(opba)] <sub>3</sub> ·6DMSO·1H <sub>2</sub> O. Chemical Physics Letters, 1999, 301, 385-388.	2.6	15
114	In situ X-ray photoelectron spectroscopy of Ag/Al bilayers grown by molecular beam epitaxy. Journal of Crystal Growth, 2003, 256, 201-205.	1.5	15
115	Crystalline thin films of transition metal hexacyanochromates grown under Langmuir monolayer. Thin Solid Films, 2006, 513, 325-330.	1.8	15
116	Room-Temperature Ionic Liquids: For a Difference in the Supramolecular Synthesis. Macromolecular Symposia, 2006, 241, 83-87.	0.7	15
117	Impedance model of electrolyte-insulator-semiconductor structure with porous silicon semiconductor. Electrochimica Acta, 2009, 54, 3781-3787.	5.2	15
118	In situ spectroscopic studies to investigate uncharacteristic NH <sub>3</sub> sensing behavior of polycarbazole Langmuir-Blodgett films. Sensors and Actuators B: Chemical, 2010, 150, 7-11.	7.8	15
119	Diodes based on bilayers comprising of tetraphenyl porphyrin derivative and fullerene for hybrid nanoelectronics. Chemical Physics Letters, 2010, 485, 137-141.	2.6	15
120	Anisotropy of critical current density inc-axis-oriented MgB <sub>2</sub> thin films. Physical Review B, 2002, 65, .	3.2	14
121	Ferromagnetic resonance studies of nanocrystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. Materials Letters, 2005, 59, 728-733.	2.6	14
122	Time response and stability of porous silicon capacitive immunosensors. Biosensors and Bioelectronics, 2007, 22, 1027-1033.	10.1	14
123	Molecule-based magnets. Bulletin of Materials Science, 2009, 32, 217-225.	1.7	14
124	Conducting Polymer Sensors, Actuators and Field-Effect Transistors. , 2012, , 61-110.		14
125	On the electrical resistivity and $n^{\circ}$ el temperature of dilute Cr-Ir alloys. Journal of the Less Common Metals, 1983, 91, 327-331.	0.8	13
126	Fluctuation induced excess conductivity in Tl <sub>2</sub> CaBa <sub>2</sub> Cu <sub>2</sub> O <sub>8</sub> . Physica C: Superconductivity and Its Applications, 1989, 159, 797-800.	1.2	13



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127	Phase stability and superconducting characteristics of $\text{CaBa}(\text{La}_{1-x}\text{R}_x)\text{Cu}_3\text{O}_{7-\hat{\nu}}$ (R=rare earth) system. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 199, 240-246.	1.2	13
128	The influence of substitution of Ce on the superconducting behaviour of $\text{YBa}_2\text{Cu}_4\text{O}_8$ and $\text{DyBa}_2\text{Cu}_4\text{O}_8$ . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 204, 413-418.	1.2	13
129	Comment on "Giant magnetoresistance of a two-dimensional ferromagnet $\text{La}_2\hat{\nu}\text{Ca}_{1+2x}\text{Mn}_2\text{O}_7$ " [Appl. Phys. Lett. 68, 3638 (1996)]. <i>Applied Physics Letters</i> , 2000, 76, 1956-1957.	3.3	13
130	$\hat{\nu}$ characteristic measurements to study the nature of the vortex state and dissipation in $\text{MgB}_2$ thin films. <i>Physical Review B</i> , 2002, 66, .	3.2	13
131	Cyanide-bridged $\text{Ru}_x\text{Ni}_{3-3x/2}[\text{Cr}(\text{CN})_6]_2\hat{\nu}\text{zH}_2\text{O}$ 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
132	Electroflotation of colloids without surfactants. <i>Journal of Colloid and Interface Science</i> , 1982, 89, 54-60.	9.4	12
133	Effect of slow cooling rates on the superconducting characteristics of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\hat{\nu}}$ . <i>Applied Physics Letters</i> , 1987, 51, 1367-1369.	3.3	12
134	Polymer-mediated synthesis of $\hat{\nu}\text{-Fe}_2\text{O}_3$ nano-particles. <i>Polyhedron</i> , 2001, 20, 1489-1494.	2.2	12
135	$\{(\text{NBu}_4)_2\text{Mn}[\text{Cu}(\text{opba})]_2\}_n$ : a new structural class among $\hat{\nu}\text{-opba}$ ™ bimetallic magnets. <i>Inorganica Chimica Acta</i> , 2001, 326, 106-110.	2.4	12
136	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
137	Negative differential resistance in electrografted layer of N-(2-(4-diazoniophenyl)ethyl)-N-hexyl-naphthalene-1,8:4,5-tetracarboxydiimide tetrafluoroborate on Si. <i>Chemical Physics Letters</i> , 2010, 493, 135-140.	2.6	12
138	Structural disorder in alkaline earth metal doped $\text{Ba}_x\text{Mn}[\text{Fe}(\text{CN})_6]_2(\hat{\nu}+1)/3\hat{\nu}\text{zH}_2\text{O}$ molecular magnets: a reverse Monte Carlo study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12208.	2.8	12
139	Influence of sulphur atom on the qualitative behavior of electron impact total cross sections of some sulphur containing molecules. <i>Indian Journal of Physics</i> , 2011, 85, 1717-1720.	1.8	12
140	Phonon density of states in $\text{Tl}_2\text{CaBa}_2\text{Cu}_2\text{O}_8$ . <i>Physica B: Condensed Matter</i> , 1991, 174, 378-381.	2.7	11
141	Molecular ferromagnets " a review. <i>Materials Science and Engineering C</i> , 1995, 3, 175-179.	7.3	11
142	Magnetic properties of substitutional solid solutions of nickel and iron hexacyanoferrate " hexacyanochromate. <i>Philosophical Magazine</i> , 2005, 85, 3659-3672.	1.6	11
143	Resistive memory effect in self-assembled 3-aminopropyltrimethoxysilane molecular multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 373-377.	1.8	11
144	Low temperature thermopower and electrical transport in misfit $\text{Ca}_3\text{Co}_4\text{O}_9$ with elongated c-axis. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 085414.	2.8	11

#	ARTICLE	IF	CITATIONS
145	Growth and gas-sensing studies of metal oxide semiconductor nanostructures. International Journal of Nanotechnology, 2010, 7, 883.	0.2	11
146	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
147	Ageing effects in high-Tc YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconductor a neutron diffraction study. Solid State Communications, 1988, 65, 991-995.	1.9	10
148	Unique signatures of microwave absorption of superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Solid State Communications, 1988, 66, 1219-1224.	1.9	10
149	Suppression of superconductivity by substitution of Th for Ce in (NdCe) <sub>2</sub> (BaNd) <sub>2</sub> Cu <sub>3</sub> O <sub>9-d</sub> . Physica C: Superconductivity and Its Applications, 1994, 232, 127-130.	1.2	10
150	Neutron diffraction structural study of 1201 superconductor (Hg <sub>0.7</sub> Cr <sub>0.3</sub> )Sr <sub>2</sub> CuO <sub>7</sub> . Journal of Superconductivity and Novel Magnetism, 1996, 9, 253-257.	0.5	10
151	Dithiaheterocycle-annelated tetrathiafulvalene $\pi$ -donors: a structure-property correlation study. Journal of the Chemical Society Perkin Transactions 1, 1998, , 1769-1778.	0.9	10
152	Enhanced magnetoresistance in nanocrystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. Journal of Crystal Growth, 2002, 244, 313-317.	1.5	10
153	Growth and morphology of the single crystals of thermoelectric oxide material Na <sub>x</sub> CoO <sub>2</sub> . Crystal Research and Technology, 2004, 39, 572-576.	1.3	10
154	A study on Langmuir-Blodgett films of conducting polycarbazole. Thin Solid Films, 2005, 493, 267-272.	1.8	10
155	Surface and electrical-transport studies of Ag/Al bilayer-structures grown by molecular beam epitaxy. Applied Surface Science, 2005, 243, 220-227.	6.1	10
156	Tunneling characteristics and resistivity behavior of La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> grain boundaries. Physical Review B, 2006, 73, .	3.2	10
157	Magnetic properties of two new uranium-based alloys: UAuCu <sub>4</sub> and UPdCu <sub>4</sub> . Journal of Physics F: Metal Physics, 1987, 17, L25-L28.	1.6	9
158	Superconducting behavior of tetragonal Ca <sub>1-x</sub> Cd <sub>x</sub> BaLaCu <sub>3</sub> O <sub>7-y</sub> . Physica C: Superconductivity and Its Applications, 1990, 172, 325-330.	1.2	9
159	Neutron diffraction study of the superconductor CaBaLaCu <sub>3</sub> O <sub>7-y</sub> . Physica B: Condensed Matter, 1991, 174, 372-377.	2.7	9
160	Superconducting behaviour of co-doped Y <sub>1-x</sub> CaxBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> (M = Ni or Zn and 0.0 $\leq$ x $\leq$ 0.30). Physica C: Superconductivity and Its Applications, 1995, 243, 160-166.	1.2	9
161	Annealing Effects in (Hg,Cr)Sr <sub>2</sub> CuO <sub>4</sub> : Transport and X-Ray Absorption Studies. Journal of Superconductivity and Novel Magnetism, 2001, 14, 429-435.	0.5	9
162	Growth of epitaxial multilayers consisting of alternately stacked superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> and colossal magnetoresistive La <sub>1-x</sub> PbxMnO <sub>3</sub> layers. Journal of Crystal Growth, 2002, 243, 134-142.	1.5	9

#	ARTICLE	IF	CITATIONS
163	EPR studies on BEDT-TTF intercalated MnPS <sub>3</sub> molecular magnet. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 416-418.	2.3	9
164	Effect of interface pinning on dissipation, volume pinning force and measurement of upper critical magnetic field in MgB <sub>2</sub> thin films. Physica C: Superconductivity and Its Applications, 2003, 385, 313-321.	1.2	9
165	Growth of nanocrystalline Pd films on Si (111). Applied Surface Science, 2004, 228, 302-305.	6.1	9
166	Possible quantum critical point in (La <sub>1-x</sub> Dy <sub>x</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . Physical Review B, 2006, 74, .	3.2	9
167	DNA-Templated Assemblies of Nickel Hexacyanoferrate Crystals. Journal of Physical Chemistry B, 2008, 112, 6467-6472.	2.6	9
168	Improved charge conduction in cobalt-phthalocyanine thin films grown along 36.8° boundary of SrTiO <sub>3</sub> bicrystals. Applied Physics Letters, 2011, 98, .	3.3	9
169	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb <sub>0.87</sub> Si <sub>0.09</sub> – <sub>0.04</sub> (NO <sub>0.87</sub> O <sub>0.13</sub> ). Journal of Solid State Chemistry, 2014, 210, 238-241.	2.9	9
170	Nanomaterials as Enhanced Antimicrobial Agent/Activity-Enhancer for Transdermal Applications: A Review. , 2017, , 279-321.		9
171	Magnetic phase diagram of dilute CrAl system from electrical resistivity studies on single crystals. Journal of Applied Physics, 1987, 61, 3994-3996.	2.5	8
172	Nature of the superconducting transition in high T <sub>c</sub> Tl-Ca-Ba-Cu-O compounds: Positron annihilation studies. Physica C: Superconductivity and Its Applications, 1989, 159, 75-80.	1.2	8
173	Thermopower of 2122 thallium high temperature superconductors. Solid State Communications, 1990, 73, 637-640.	1.9	8
174	A complex of a chiral substituent-based nitroxide triradical having two chiral centres with Mn(hfac) <sub>2</sub> . Polyhedron, 2001, 20, 1495-1498.	2.2	8
175	Susceptibility and X-Ray Absorption Measurements on Superconducting (Hg,Mo)Sr <sub>2</sub> CuO <sub>4</sub> + $\delta$ System. Journal of Superconductivity and Novel Magnetism, 2001, 14, 437-441.	0.5	8
176	X-,K- and Q-band ESR studies on intercalated Fe <sub>0.9</sub> PS <sub>3</sub> (Phen) <sub>0.4</sub> . Journal of Magnetism and Magnetic Materials, 2003, 258-259, 141-143.	2.3	8
177	Polymer-Surfactant Layered Heterostructures by Electropolymerization of Phenosafranine in Langmuir-Blodgett Films. Journal of Physical Chemistry B, 2006, 110, 24530-24540.	2.6	8
178	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
179	Self-assembled and electrochemically deposited mono/multilayers for molecular electronics applications. Applied Surface Science, 2009, 256, 407-413.	6.1	8
180	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

#	ARTICLE	IF	CITATIONS
181	Ultra low field emission characteristics of chloride doped polypyrrole films. <i>Polymers for Advanced Technologies</i> , 2012, 23, 215-219.	3.2	8
182	Mössbauer and X-ray studies of Fe <sub>1.67</sub> Ge. <i>Physica Status Solidi A</i> , 1978, 49, K91-K95.	1.7	7
183	Electrical Resistivity Studies on the Heusler Alloys Co <sub>2</sub> Ti <sub>1-x</sub> Al <sub>1+x</sub> (T = Ti or Zr). <i>Physica Status Solidi A</i> , 1984, 85, K89-K92.	1.7	7
184	On the synthesis and superconducting properties of La <sub>1.8</sub> Mo <sub>0.2</sub> CuO <sub>4</sub> systems. <i>Materials Letters</i> , 1987, 5, 165-169.	2.6	7
185	The influence of substitution of Th on the superconducting behaviour of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 218, 457-462.	1.2	7
186	Effect of substitution of Ca for Nd and Sr on the superconducting behaviour of NdBaSrCu <sub>3</sub> O <sub>7</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1996, 256, 51-56.	1.2	7
187	Magneto-transport and ferromagnetic resonance studies of polycrystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. <i>Solid State Communications</i> , 2006, 137, 456-461.	1.9	7
188	Nuclear detectors based on n-silicon/copper phthalocyanine heterojunctions. <i>Radiation Measurements</i> , 2009, 44, 47-49.	1.4	7
189	Poly(3-hexylthiophene) based field-effect transistors with gate SiO <sub>2</sub> dielectric modified by multi-layers of 3-aminopropyltrimethoxysilane. <i>Thin Solid Films</i> , 2009, 517, 6124-6128.	1.8	7
190	In-Vacuo thermal processing of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> single crystals in boron ambience and its implication on TL & OSL response. <i>Journal of Luminescence</i> , 2010, 130, 1308-1312.	3.1	7
191	Electrical resistivity of beta Co <sub>x</sub> Ga <sub>1-x</sub> . <i>Journal of Physics F: Metal Physics</i> , 1983, 13, 659-664.	1.6	6
192	Neutron Structural Studies of Superconducting Bi <sub>2</sub> Sr <sub>2</sub> CuO <sub>8-<math>\delta</math></sub> and Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>1.8</sub> La <sub>0.2</sub> CuO <sub>6+<math>\delta</math></sub> (x=0.0 and) $T_c$ vs $T_{1/2}$ / Overload	1.5	6
193	A structural study of chemical stability of (Y <sub>1-x</sub> Ca <sub>x</sub> )(Ba <sub>2-x</sub> La <sub>x</sub> )Cu <sub>3</sub> O <sub>7</sub> (x= 0.0, 0.2, and 0.4). <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 615-618.	0.5	6
194	Electron paramagnetic resonance studies in doped with : evidence for cationic mobility. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 551-556.	1.8	6
195	Influence of Structural Anisotropy on the Irreversibility Line of High-T <sub>c</sub> Cuprates. <i>Journal of Superconductivity and Novel Magnetism</i> , 1998, 11, 689-691.	0.5	6
196	[Mn(tacn)] <sub>2</sub> Mo(CN) <sub>7</sub> ·5H <sub>2</sub> O: a 90K ferromagnet. <i>Physica B: Condensed Matter</i> , 2002, 321, 87-90.	2.7	6
197	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
198	Nanotechnological approaches toward cancer chemotherapy. , 2017, , 211-240.		6

#	ARTICLE	IF	CITATIONS
199	On the size of the electrical resistivity anomaly at the Neel transition of dilute Cr-Al alloys. Journal of Physics F: Metal Physics, 1987, 17, L65-L69.	1.6	5
200	Bulk superconductivity at 36 K in La <sub>1.8</sub> Sr <sub>0.2</sub> CuO <sub>4</sub> . Physical Review B, 1987, 35, 7122-7123.	3.2	5
201	Positron annihilation studies of Bi <sub>2</sub> CaSr <sub>2</sub> Cu <sub>2</sub> O <sub>x</sub> and Bi <sub>1.6</sub> Pb <sub>0.4</sub> Ca <sub>2</sub> Sr <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> in the region of the superconducting transition. Solid State Communications, 1990, 73, 623-627.	1.9	5
202	Paraconductivity of Tl <sub>2</sub> Ca <sub>1</sub> Ba <sub>2</sub> Cu <sub>2</sub> O <sub>8</sub> . Solid State Communications, 1990, 75, 415-419.	1.9	5
203	Neutron profile refinement study of the superconductors Bi <sub>2</sub> Ca <sub>1-x</sub> Y <sub>x</sub> S <sub>2</sub> Cu <sub>2</sub> O <sub>8</sub> . Physica B: Condensed Matter, 1991, 174, 367-371.	2.7	5
204	Stability of 4-year-old YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Physica B: Condensed Matter, 1992, 180-181, 429-431.	2.7	5
205	Neutron structural investigations of Y <sub>1-x</sub> CaxBa <sub>2</sub> Cu <sub>3-y</sub> Co <sub>y</sub> O <sub>7-1/2</sub> . Journal of Superconductivity and Novel Magnetism, 1995, 8, 271-277.	0.5	5
206	Manifestation of T <sub>c</sub> and 1-2-3 features in [Nd <sub>2/3</sub> (Ce <sub>1-x</sub> Th <sub>x</sub> ) <sub>1/3</sub> ] <sub>2</sub> (Ba <sub>2/3</sub> Nd <sub>1/3</sub> ) <sub>2</sub> Cu <sub>3</sub> O <sub>9</sub> compounds: a XANES study. Physica C: Superconductivity and Its Applications, 1999, 314, 98-104.	1.2	5
207	Dye adsorption on self-assembled silane monolayers: optical absorption and modeling. Journal of Materials Chemistry, 1999, 9, 1847-1851.	6.7	5
208	Stability of Sr <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> structure in La <sub>1.2</sub> (Sr <sub>1-x</sub> Cax) <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> and Ca <sub>3-y</sub> La <sub>y</sub> Mn <sub>2</sub> O <sub>7</sub> . Journal of Materials Chemistry, 2001, 11, 1158-1161.	6.7	5
209	SUPERCONDUCTIVITY AND CuK-XANES OF (Hg, Re)Sr <sub>2</sub> CuO <sub>4</sub> . Modern Physics Letters B, 2001, 15, 261-268.	1.9	5
210	In-plane and out-of-plane anisotropic magnetoresistances in La <sub>1-x</sub> PbxMnO <sub>3</sub> thin films. Philosophical Magazine, 2003, 83, 3181-3191.	1.6	5
211	Magnetization and magnetotransport studies of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> /La <sub>1-x</sub> PbxMnO <sub>3</sub> heterostructures. Superconductor Science and Technology, 2004, 17, 342-346.	3.5	5
212	Morphology-dependent electric transport in textured ultrathin Al films grown on Si. Journal of Applied Physics, 2005, 98, 026103.	2.5	5
213	Reversible dehydration polymerization of terephthalate bridged [Cu <sub>2</sub> (2,2'-bpy) <sub>2</sub> (H <sub>2</sub> O) <sub>3</sub> (NO <sub>3</sub> )] <sub>n</sub> ·H <sub>2</sub> O·nNO <sub>3</sub> . Mendeleev Communications, 2006, 16, 20-23.	1.6	5
214	Magneto-transport properties of nano-crystalline and poly-crystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. Journal of Magnetism and Magnetic Materials, 2007, 313, 115-121.	2.3	5
215	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

#	ARTICLE	IF	CITATIONS
217	Effect of small additions of vanadium on the electrical resistivity of Cr-0.5 at% Ir. Journal of Magnetism and Magnetic Materials, 1984, 46, 207-211.	2.3	4
218	On the synthesis of high-temperature superconducting compounds in the Bi <sub>1-x</sub> Sr <sub>1-x</sub> Ca <sub>1-x</sub> Cu <sub>1-x</sub> O system. Materials Letters, 1988, 6, 274-276.	2.6	4
219	Raman study of the Hg <sub>0.7</sub> Cr <sub>0.3</sub> Sr <sub>2</sub> CuO <sub>4</sub> + $\hat{\Gamma}$ superconductors. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1039-1040.	1.2	4
220	X-ray absorption spectroscopic studies of the T $\hat{\epsilon}$ -type Gd <sub>1.85</sub> $\hat{x}$ Pr <sub>x</sub> Ce <sub>0.15</sub> CuO <sub>y</sub> system. Physica C: Superconductivity and Its Applications, 1997, 292, 183-188.	1.2	4
221	Structural and superconducting properties of Eu <sub>1</sub> $\hat{x}$ Pr <sub>x</sub> BaSrCu <sub>3</sub> O <sub>7</sub> $\hat{\Gamma}$ . Physica C: Superconductivity and Its Applications, 1999, 311, 246-252.	1.2	4
222	Magnetization Study of (Hg,Cr)Sr <sub>2</sub> CuO <sub>4</sub> + $\hat{\Gamma}$ Superconductor. Journal of Superconductivity and Novel Magnetism, 2001, 14, 519-523.	0.5	4
223	Magnetization and Re LIII-Edge Studies of (Hg,Re)Sr <sub>2</sub> CuO <sub>4</sub> + $\hat{\Gamma}$ System. Journal of Superconductivity and Novel Magnetism, 2002, 15, 135-139.	0.5	4
224	Energetics of model compounds of water oxidizing complex containing quinone cofactors. Journal of Thermal Analysis and Calorimetry, 2005, 81, 75-82.	3.6	4
225	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.	1.8	4
226	Low current induced electroresistance in the polycrystalline La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 2007, 102, 043907.	2.5	4
227	Elastic scattering of electrons from dimethylsulfide and dimethylsulfoxide. Physical Review A, 2009, 79, .	2.5	4
228	Cu <sub>1.5</sub> [Cr(CN) <sub>6</sub> ] $\hat{x}$ 6.5H <sub>2</sub> O nanoparticles: synthesis, characterization, and magnetic properties. Applied Physics A: Materials Science and Processing, 2010, 99, 79-83.	2.3	4
229	Photovoltaic Properties Of ZnO Nanoparticle Based Solid Polymeric Photoelectrochemical Cells. , 2010, , .		4
230	Conformational morphology of polyaniline grown on self-assembled monolayer modified silicon. Thin Solid Films, 2011, 520, 351-355.	1.8	4
231	Probing the superconducting properties of the Si-doped Nb-oxynitride superconductor(Nb <sub>0.87</sub> Si <sub>0.09</sub> $\hat{-}$ $\hat{i}$ 0.04)(N <sub>0.87</sub> O <sub>0.13</sub> ). Physical Review B, 2014, 90, .	3.2	4
232	Nanobiomaterials as gene-delivery vehicles. , 2016, , 447-486.		4
233	Some anomalous aspects of resistivity behavior in dilute chromium alloy systems. Journal of Applied Physics, 1985, 57, 3223-3225.	2.5	3
234	Superconductivity and localization in (La,Y) <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Solid State Communications, 1987, 63, 905-906.	1.9	3

#	ARTICLE	IF	CITATIONS
235	The transition width and critical current density measurements on slow-cooled YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconductor. Pramana - Journal of Physics, 1987, 29, L597-L601.	1.8	3
236	Doppler-broadened positron annihilation studies in Y-Ba-Cu-O, Tl-Ca-Ba-Cu-O and Bi-Ca-Sr-Cu-O superconductors. Bulletin of Materials Science, 1991, 14, 681-686.	1.7	3
237	Synthesis of single phase Tl-2223 superconductors: How much thallium do we really need?. Bulletin of Materials Science, 1991, 14, 241-246.	1.7	3
238	Effect of partial substitution of Ni and Zn for Cu in CaBaLaCu <sub>3</sub> O <sub>7+δ</sub> superconductor. Physica C: Superconductivity and Its Applications, 1991, 180, 324-330.	1.2	3
239	Influence of Ba content and Ce doping on the structural features of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> superconductor? a neutron study. Journal of Superconductivity and Novel Magnetism, 1993, 6, 265-272.	0.5	3
240	Magnetoconductivity of Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-x</sub> Y <sub>x</sub> Cu <sub>2</sub> O <sub>8+δ</sub> in fluctuation regime. Journal of Applied Physics, 1994, 76, 6944-6946.	2.5	3
241	Neutron structural study of the Bi-monolayer compound (Bi <sub>0.5</sub> Cu <sub>0.5</sub> )Sr <sub>2</sub> (Y <sub>0.8</sub> Cu <sub>0.2</sub> )Cu <sub>2</sub> O <sub>7</sub> + δ: the Role of excess oxygen in superconductivity. Journal of Superconductivity and Novel Magnetism, 1994, 7, 857-863.	0.5	3
242	The irreversibility line of Nd-223 superconductor as determined by DC magnetization. Superconductor Science and Technology, 1995, 8, 177-179.	3.5	3
243	Ferromagnetism at 19K in a bimetallic compound based on 1,2-propanediamine ligand. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 127-135.	0.6	3
244	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2000, 13, 163-170.	0.5	3
245	Comment on "Pressure-induced changes in transport properties of layered La <sub>1.2</sub> Ca <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> ". Physical Review B, 2000, 61, 16241-16242.	3.2	3
246	Transport and Cu K-XANES Studies of (Hg,Cr)Sr <sub>2</sub> (Ca,Y)Cu <sub>2</sub> O <sub>6</sub> + δ. Journal of Superconductivity and Novel Magnetism, 2001, 14, 687-691.	0.5	3
247	Superconductivity in (Hg,Mo)Sr <sub>2</sub> CuO <sub>4</sub> +δ system. Materials Chemistry and Physics, 2002, 75, 144-146.	4.0	3
248	Evidence of ferromagnetic domains in the (La <sub>0.757</sub> Dy <sub>0.243</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> perovskite. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1288-1289.	2.3	3
249	Design of molecular magnets. Macromolecular Symposia, 2004, 212, 141-158.	0.7	3
250	Correlation between extrinsic magnetoresistance and electroresistance in La <sub>0.6</sub> Pb <sub>0.4</sub> MnO <sub>3</sub> thin films as revealed from current-voltage and ferromagnetic resonance studies. Solid State Communications, 2006, 138, 430-435.	1.9	3
251	Anomalous electrical transport properties of Ag/Al bilayers grown on Si by molecular beam epitaxy. Solid State Communications, 2007, 142, 200-205.	1.9	3
252	Functional Superconducting Materials. , 2012, , 261-284.		3

#	ARTICLE	IF	CITATIONS
253	Molecular Magnetic Sponges. Chemistry - A European Journal, 1999, 5, 3443-3449.	3.3	3
254	High temperature superconductivity in bismuth-alkaline earth-copper-oxygen system. Pramana - Journal of Physics, 1988, 30, L469-L471.	1.8	2
255	Enhancement of transport critical current density by Gd substitution in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Applied Physics Letters, 1988, 52, 1447-1448.	3.3	2
256	India update on superconductivity research. Superconductor Science and Technology, 1990, 3, 477-478.	3.5	2
257	On the synthesis and structure of single-phase (Bi, Pb) <sub>2</sub> Ca <sub>2</sub> Sr <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> . Bulletin of Materials Science, 1991, 14, 223-226.	1.7	2
258	Effect of non-stoichiometry and Ce-doping on the tetragonal superconducting phase CaBaLaCu <sub>3</sub> O <sub>7</sub> . Bulletin of Materials Science, 1991, 14, 275-278.	1.7	2
259	Superconducting behaviour of Y <sub>0.8</sub> Ce <sub>0.1</sub> Ca <sub>1</sub> Ba <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 71, 1137-1143.	0.6	2
260	Superconductivity in (Gd <sub>1.85</sub> Pr <sub>x</sub> Ce <sub>0.15</sub> )CuO <sub>4</sub> . Physica B: Condensed Matter, 1996, 223-224, 551-553.	2.7	2
261	Positron annihilation studies on a tetragonal CaLaBaCu <sub>3</sub> O <sub>6.85</sub> superconductor. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 219, 117-120.	2.1	2
262	Coexistence of Spin Fluctuations and Magnetic Order in (Nbu <sub>4</sub> ) <sub>2</sub> Mn <sub>2</sub> [Cu(Opba)] <sub>3</sub> : An Epr Evidence. Molecular Crystals and Liquid Crystals, 1997, 306, 219-225.	0.3	2
263	Effect of Ca doping on the structural and superconducting properties of EuBaSrCu <sub>3</sub> O <sub>7</sub> . Journal of Superconductivity and Novel Magnetism, 1997, 10, 645-647.	0.5	2
264	Two dimensional superconducting behavior of Hg <sub>0.7</sub> Cr <sub>0.3</sub> Sr <sub>2</sub> CuO <sub>4</sub> . Physica C: Superconductivity and Its Applications, 1997, 282-287, 2001-2002.	1.2	2
265	Granular behaviour and microstructure of Tl-doped : impact of grinding. Superconductor Science and Technology, 1999, 12, 259-263.	3.5	2
266	Magnetization study of mercurocuprate (Hg,Re)Sr <sub>2</sub> CuO <sub>4</sub> . Pramana - Journal of Physics, 2002, 58, 839-841.	1.8	2
267	Temperature Dependent Current-Voltage Characteristics of Iron-Phthalocyanine Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 5262-5267.	0.9	2
268	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.	0.9	2
269	Synthesis and magnetic properties of PVP coated copper-chromium hexacyanide nanoparticles. Journal of Physics: Conference Series, 2010, 200, 072057.	0.4	2
270	Improved H <sub>2</sub> S and Cl <sub>2</sub> Sensing Characteristics of Pure and Au Incorporated WO <sub>3</sub> Thin Films. , 2011, , .		2



#	ARTICLE	IF	CITATIONS
271	Superconductivity characteristics of the system $Y_{1.2}Ba_{0.8}CuO_4$ . <i>Phase Transitions</i> , 1987, 10, 49-59.	1.3	1
272	Studies on superconducting behaviour of $La_{2-x}M_xCuO_4$ . (M = Ba, Tl). <i>Journal of Superconductivity</i> , 1990, 3, 1-10.	1.3	1
273	Paraconductivity in $YBa_2(Cu_{1-x}Ni_x)O_{7-y}$ and $Bi_2Sr_2Ca_{1-x}Y_xCu_2O_{8+y}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 1845-1846.	1.2	1
274	Comment on "Raman spectra of $(Bi,Pb)_2Sr_2CaCu_2O_{8+y}$ single crystals and the role of lead substitution". <i>Physical Review B</i> , 1992, 45, 2527-2527.	3.2	1
275	Magnetism of Pr ions and superconductivity in $Bi_2-xPb_xSr_2-xPr_xCuO_{6+y}$ . <i>Physica B: Condensed Matter</i> , 1994, 194-196, 2215-2216.	2.7	1
276	Influence of simultaneous substitution of Ca and Co in a $YBa_2Cu_3O_7$ superconductor: Neutron structural studies. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 90-93.	2.7	1
277	Synthesis and neutron structural studies of $(Pb/Cu)$ -1201 superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 1995, 8, 163-167.	0.5	1
278	Infrared spectra and normal vibrations of $(La,Nd)BaCaCu_3O_7$ . <i>Journal of Molecular Structure</i> , 1995, 351, 95-105.	3.6	1
279	Irreversibility line of the TI monolayer superconductor $TlBaSrCaCu_2O_7$ . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997, 75, 497-502.	0.6	1
280	Electron paramagnetic resonance studies of intrinsic semiconductor $UMo_6S_8$ : Evidence for dynamically averaged resonance of $U^{4+}$ and conduction electrons. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997, 75, 503-508.	0.6	1
281	Hole states in $Eu_{0.9}S_{x-1}Pr_xCa_{0.1}BaSrCu_3O_7$ studied by X-ray absorption spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2065-2070.	1.1	1
282	Title is missing!. <i>Journal of Superconductivity and Novel Magnetism</i> , 2000, 13, 569-573.	0.5	1
283	Azido-mediated ferromagnetic exchange interaction in the $M(II)$ -oxine complexes. <i>Polyhedron</i> , 2001, 20, 1499-1503.	2.2	1
284	Comment on "The metal-insulator transition and ferromagnetism in the electron-doped layered manganates $La_{2.3-x}Y_xCa_{0.7}Mn_2O_7$ ( $x = 0.0, 0.3, 0.5$ )". <i>Journal of Physics Condensed Matter</i> , 2001, 13, 3805-3807.	1.8	1
285	On the Presence of $Cu^{1+}$ in the Superconducting $(Hg,M)Sr_2CuO_4$ ; M = Cr, Mo, or Re. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 581-584.	0.5	1
286	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
287	Looking through glass. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 2, 011002.	0.6	1
288	Molecular Beam Epitaxy Growth of Iron Phthalocyanine Nanostructures. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
289	Charge transport in ultrathin iron-phthalocyanine thin films under high electric fields. Journal of Physics Condensed Matter, 2011, 23, 355801.	1.8	1
290	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
291	Spin interactions in mineral libethenite series: evolution of low-dimensional magnetism. Journal of Physics Condensed Matter, 2012, 24, 436003.	1.8	1
292	Molecular Spintronics. Solid State Phenomena, 0, 189, 95-127.	0.3	1
293	THERMOPOWER MEASUREMENTS ON Cr-Al SINGLE CRYSTALS IN THE MAGNETIC TRIPLE POINT REGION. Journal De Physique Colloque, 1988, 49, C8-217-C8-218.	0.2	1
294	Evidence of bilayer structure in collodi flotation in iron hydroxide using sodium lauryl sulfate. Journal of Colloid and Interface Science, 1980, 78, 565-566.	9.4	0
295	Smectic C-Nematic Transition in the Mixtures $5x/6x-1-x$ BABA. Molecular Crystals and Liquid Crystals, 1983, 98, 83-89.	0.8	0
296	Possible superconductivity at 140k. Phase Transitions, 1987, 10, 61-66.	1.3	0
297	Superconductivity in shocked $Cu_2Mo_6S_8$ . Physical Review B, 1987, 36, 3941-3943.	3.2	0
298	Electrical conductivity behaviour of $Ni_{2-x}Cu_xMo_6S_8$ . Journal of Materials Science Letters, 1987, 6, 839-840.	0.5	0
299	$^{57}Fe$ Mössbauer studies of $U(Fe_{1-x}Co_x)_2$ . Hyperfine Interactions, 1987, 34, 451-454.	0.5	0
300	Inelastic neutron scattering from $Tl_2CaBa_2Cu_2O_8$ . Bulletin of Materials Science, 1991, 14, 603-605.	1.7	0
301	Thermoelectric power of single-phase samples of $Tl_2CaBa_2Cu_2O_y$ and $Ba_2CaSr_2Cu_2O_y$ . Bulletin of Materials Science, 1991, 14, 827-830.	1.7	0
302	Synthesis and superconducting properties of $Ca_{1-x}R_xBaLaCu_3O_{7-\delta}$ (R = Ce and Nd) systems. Physica C: Superconductivity and Its Applications, 1993, 216, 181-186.	1.2	0
303	Phase breaking effects in magnetoconductivity of $YBa_2Cu_3O_{7-\delta}$ and $Bi_2Sr_2CaCu_3O_8$ . Physica C: Superconductivity and Its Applications, 1994, 235-240, 1443-1444.	1.2	0
304	Instability of Y- and rare-earth-substituted $Bi(Pb)-2223$ phase. Journal of Materials Chemistry, 1994, 4, 1077.	6.7	0
305	Superconducting behaviour of eight-year-old $La_{1.8}Sr_{0.2}CuO_4$ . Applied Superconductivity, 1995, 3, 593-598.	0.5	0
306	Neutron structural studies on Sr-free 2:2:0:1 phase $Bi_2(Ca_{0.65}Nd_{0.35})_2CuO_y$ . Journal of Alloys and Compounds, 1995, 221, 56-59.	5.5	0

#	ARTICLE	IF	CITATIONS
307	Neutron structural study on Y <sub>0.8</sub> Ca <sub>0.1</sub> Ce <sub>0.1</sub> Ba <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> superconductor. Physica B: Condensed Matter, 1996, 223-224, 568-570.	2.7	0
308	Infrared spectra and normal modes of orthorhombic Bi <sub>2</sub> Sr <sub>2</sub> (Ca <sub>1-x</sub> Y <sub>x</sub> )Cu <sub>2</sub> O <sub>8+y</sub> . Journal of Molecular Structure, 1996, 375, 9-21.	3.6	0
309	Muon spin relaxation studies on the ferromagnet MnCu(obbz)1H <sub>2</sub> O. Synthetic Metals, 1997, 85, 1751-1752.	3.9	0
310	The structural and superconducting properties of R <sub>1-x</sub> Ca <sub>x</sub> Th <sub>1-x</sub> Ba <sub>x</sub> Sr <sub>1-x</sub> Cu <sub>3</sub> O <sub>7-δ</sub> (R = Eu or Tl) $\frac{E_{TQ0} - E_{BT}}{E_{TQ0}}$ Over Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1789-1797.	0.6	0
311	The interrelationship of Cu effective charge and superconductivity in the T <sub>A</sub> '-type Gd <sub>1.85-x</sub> Pr <sub>x</sub> Ce <sub>0.15</sub> CuO <sub>y</sub> system. Journal of Physics Condensed Matter, 2000, 12, L9-L12.	1.8	0
312	Electron Magnetic Resonance Studies of the Intercalation Ferromagnet 2,2'-bipyridine-MnPS <sub>3</sub> Above and Below Curie Temperature. Molecular Crystals and Liquid Crystals, 2000, 348, 295-300.	0.3	0
313	Bimetallic Magnets: Present and Perspectives. , 0, , 1-40.		0
314	Electron magnetic resonance studies of the intercalation ferromagnet 2,2'-bipyridine-MnPS <sub>3</sub> above and below Curie temperature. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 189-192.	0.1	0
315	Microwave absorption studies of diluted high-temperature superconductors: delineation of superconductor-insulator-superconductor and superconductor-normal-superconductor junctions. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties. 2001, 81, 267-277.	0.6	0
316	Growth Mechanism of Zinc Oxide Nanostructures by Carbothermal Evaporation Technique. , 2009, , .		0
317	Langmuir-Blodgett films of ethylenedithiotetrathiafulvalene derivative containing hydroxyl groups. Thin Solid Films, 2010, 518, 5820-5826.	1.8	0
318	Influence of Stoichiometry on the Magnetic Properties of Electrodeposited Thin Films of Iron Chromium Hexacyanide Based Molecular Magnet. , 2010, , .		0
319	Electrical And Positron Study Of The Interface Of Organic Semiconductor Heterojunction. , 2010, , .		0
320	Nature of Magnetic Ordering in Molecular Magnet Mn[Fe(CN) <sub>6</sub> ] <sub>2</sub> ·3zH <sub>2</sub> O. , 2011, , .		0
321	Characterization and Mössbauer Study of Ni <sub>0.45</sub> Zn <sub>0.55</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles Prepared by Novel Precursor Method. , 2011, , .		0
322	Thickness Dependent Magnetic Properties of Thin Films of Prussian Blue Analogue Fe <sub>1.5</sub> [Cr(CN) <sub>6</sub> ] <sub>2</sub> ·7.5H <sub>2</sub> O. , 2011, , .		0
323	Ordering Induced Enhancement of Charge Carrier Mobility In CoPc Thin Films. , 2011, , .		0
324	Implication of Structural Disorder in The Charge Transport Properties of Cobalt-phthalocyanine Thin Films. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
325	Electronic Structure of Mineral Libethenite Series: A Minimal Model Approach. Solid State Phenomena, 2012, 194, 284-287.	0.3	0
326	Structural behaviour of Mg, Al and Si doped niobium oxynitrides under high pressures. , 2013, , .		0
327	Structural behaviour of niobium oxynitride under high pressure. , 2014, , .		0
328	ELECTROGRAFTING OF ORGANIC MONOLAYERS ON SILICON FOR MOLECULAR ELECTRONICS. , 2007, , .		0
329	Hierarchical Self-Assembled Peptide Nano-ensembles. , 2014, , 247-284.		0
330	HighTcSuperconductivity in La <sub>1.8</sub> M <sub>0.2</sub> CuO <sub>4</sub> (M=Ca, Sr, Ba) and (Y <sub>1-x</sub> Ba <sub>x</sub> ) <sub>2</sub> CuO <sub>4</sub> . Japanese Journal of Applied Physics, 1987, 26, 1085.	1.5	0
331	Magnetic studies on FeII Cu(obbz) 1H <sub>2</sub> O, where obbz = N, N1-oxamido bis(benzoato). The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 477-487.	0.6	0