

Rajneesh Mohan

List of Publications by Year in descending order

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37
papers

1,754
citations

623734

14
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434195

31
g-index

37
all docs

37
docs citations

37
times ranked

3056
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide as a photocatalytic material. Applied Physics Letters, 2011, 98, .	3.3	299
2	Investigation of Raman and photoluminescence studies of reduced graphene oxide sheets. Applied Physics A: Materials Science and Processing, 2012, 106, 501-506.	2.3	279
3	Enhanced photocatalytic activity of Cu-doped ZnO nanorods. Solid State Communications, 2012, 152, 375-380.	1.9	248
4	An investigation of the electrical transport properties of graphene-oxide thin films. Materials Chemistry and Physics, 2012, 132, 29-33.	4.0	203
5	Antibacterial Activity of Graphene Oxide Nanosheets. Science of Advanced Materials, 2012, 4, 1111-1117.	0.7	116
6	Graphene oxide nanostructures modified multifunctional cotton fabrics. Applied Nanoscience (Switzerland), 2012, 2, 119-126.	3.1	106
7	Fabrication of a ZnO nanogenerator for eco-friendly biomechanical energy harvesting. RSC Advances, 2013, 3, 16646.	3.6	85
8	Facile synthesis of graphene/ZnO nanocomposites by low temperature hydrothermal method. Materials Research Bulletin, 2013, 48, 878-883.	5.2	72
9	Investigation of UV photoresponse property of Al, N co-doped ZnO film. Journal of Alloys and Compounds, 2013, 580, 538-543.	5.5	69
10	Diameter dependent photocatalytic activity of ZnO nanowires grown by vapor transport technique. Chemical Physics Letters, 2012, 539-540, 83-88.	2.6	54
11	Colossal electroresistance in Sm _{0.55} Sr _{0.45} MnO ₃ . Journal of Alloys and Compounds, 2010, 508, L32-L35.	5.5	30
12	Water-dispersible TiO ₂ nanoparticles via a biphasic solvothermal reaction method. Nanoscale Research Letters, 2013, 8, 503.	5.7	28
13	Effect of Cu doping in MgB ₂ superconductor at various processing temperatures. Physica C: Superconductivity and Its Applications, 2006, 450, 124-128.	1.2	18
14	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
15	Calcium and oxygen doping in Y Ba ₂ Cu ₃ O _y . Solid State Communications, 2007, 141, 605-609.	1.9	16
16	Effect of doping on cohesive and thermophysical properties of MgB ₂ . Physica C: Superconductivity and Its Applications, 2007, 451, 24-30.	1.2	13
17	Cohesive and thermal properties of transition metal diborides. Physica B: Condensed Matter, 2009, 404, 1607-1610.	2.7	13
18	An investigation of the electrical properties of p-type Al:N Co-doped ZnO thin films. Journal of the Korean Physical Society, 2012, 61, 1737-1741.	0.7	11

#	ARTICLE	IF	CITATIONS
19	The elastic and thermodynamic properties of antiperovskites: MCNi ₃ . Journal of Alloys and Compounds, 2010, 491, 284-290.	5.5	10
20	Effect of carbon doping on thermodynamic behavior of MgB ₂ . Journal of Physics and Chemistry of Solids, 2007, 68, 2247-2251.	4.0	9
21	Lattice dynamics of orthorhombic perovskite yttrium manganite, YMnO ₃ . Journal of Physics Condensed Matter, 2009, 21, 355402.	1.8	9
22	Thickness-Dependent Electrical Transport Properties of Graphene. Science of Advanced Materials, 2013, 5, 542-548.	0.7	9
23	Influence of La doping on elastic and thermodynamic properties of SrMoO ₃ . Journal of Alloys and Compounds, 2011, 509, 6077-6082.	5.5	8
24	Self-Induced Gate Dielectric for Graphene Field-Effect Transistor. ACS Applied Materials & Interfaces, 2013, 5, 6443-6446.	8.0	8
25	Effect of cation doping on low-temperature specific heat of LaMnO ₃ manganite. Journal of Magnetism and Magnetic Materials, 2008, 320, 2596-2601.	2.3	7
26	ZnO Nanostructures in Vapor Transport Growth Method. Science of Advanced Materials, 2014, 6, 336-342.	0.7	6
27	Current Biased Resistive Switching in ZnO Whiskers. Japanese Journal of Applied Physics, 2011, 50, 04DJ01.	1.5	4
28	HgO-added YBa ₂ Cu ₃ O _{7-x} superconductors. Pramana - Journal of Physics, 2004, 63, 233-237.	1.8	2
29	ZnO Piezoelectric Fine Wire Gated Graphene Oxide Field Effect Transistor. Journal of Nanoscience and Nanotechnology, 2013, 13, 3573-3576.	0.9	2
30	Preparation and Characterization of HgO and AgO Added La ₂ CaBa ₂ Cu ₅ O _z Superconductors. Journal of Superconductivity and Novel Magnetism, 2009, 22, 699-704.	1.8	1
31	Resistivity study of RuSr ₂ GdCu ₂ O ₈ superconductor. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 411-416.	1.8	1
32	Application of ZnO Nanowires for the Photodegradation of Resazurin. , 2011, , .		1
33	Simple and Economical Method to Prepare Mg _{1-x} Mn _x B ₂ Superconductor. AIP Conference Proceedings, 2008, , .	0.4	0
34	Superconducting and microstructural properties of Mg _{1-x} Ag _x B ₂ . Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1456-1459.	1.8	0
35	Effect of HgO Addition on the Resistivity Behaviour of La _{0.75} Ca _{0.25} MnO ₃ . , 2011, , .		0
36	Study on thermal hysteresis of Sr doped manganites. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Synthesis and Characterization of RuSr ₂ R _{1.6} Ce _{0.4} Cu ₂ O ₁₀ (R = Gd, Eu, and Sm) Magnetosuperconductors. International Journal of Superconductivity, 2013, 2013, 1-6.	0.5	0