

Rajeswari Yogamalar N

List of Publications by Year in descending order

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26
papers

1,487
citations

567144

15
h-index

677027

22
g-index

26
all docs

26
docs citations

26
times ranked

2366
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray peak broadening analysis in ZnO nanoparticles. Solid State Communications, 2009, 149, 1919-1923.	0.9	421
2	Hydrothermally Synthesized h-MoO ₃ and $\hat{1}\pm$ -MoO ₃ Nanocrystals: New Findings on Crystal-Structure-Dependent Charge Transport. Crystal Growth and Design, 2016, 16, 1984-1995.	1.4	169
3	Nanocrystalline ZnO coated fiber optic sensor for ammonia gas detection. Optics and Laser Technology, 2011, 43, 1398-1404.	2.2	132
4	Bursteinâ€“Moss shift and room temperature near-band-edge luminescence in lithium-doped zinc oxide. Applied Physics A: Materials Science and Processing, 2011, 103, 33-42.	1.1	124
5	Gas sensing properties of a clad modified fiber optic sensor with Ce, Li and Al doped nanocrystalline zinc oxides. Sensors and Actuators B: Chemical, 2011, 156, 263-270.	4.0	97
6	Structural and optical properties of europium doped yttrium oxide nanoparticles for phosphor applications. Journal of Alloys and Compounds, 2010, 496, 472-477.	2.8	93
7	Structural and optical studies of yttrium oxide nanoparticles synthesized by co-precipitation method. Materials Research Bulletin, 2010, 45, 1165-1170.	2.7	85
8	Absorptionâ€“emission study of hydrothermally grown Al:ZnO nanostructures. Journal of Alloys and Compounds, 2011, 509, 8493-8500.	2.8	62
9	Tuning the aspect ratio of hydrothermally grown ZnO by choice of precursor. Journal of Solid State Chemistry, 2011, 184, 12-20.	1.4	60
10	Quantum confined CdS inclusion in graphene oxide for improved electrical conductivity and facile charge transfer in hetero-junction solar cell. RSC Advances, 2015, 5, 16856-16869.	1.7	59
11	Structural evolution and phase transition of [NH ₄] ₆ Mo ₇ O ₂₄ .4H ₂ O to 2D layered MoO ₃ â€“x <i>x</i> . Materials Research Express, 2015, 2, 055004.	0.8	36
12	Multi-capping agents in size confinement of ZnO nanostructured particles. Optical Materials, 2009, 31, 1570-1574.	1.7	33
13	ESTIMATION OF LATTICE STRAIN, STRESS, ENERGY DENSITY AND CRYSTALLITE SIZE OF THE SPHERICAL YTTRIUM OXIDE NANOPARTICLES. Functional Materials Letters, 2009, 02, 131-134.	0.7	25
14	Band alignment and depletion zone at ZnO/CdS and ZnO/CdSe hetero-structures for temperature independent ammonia vapor sensing. Physical Chemistry Chemical Physics, 2016, 18, 32057-32071.	1.3	18
15	Dopant Induced Bandgap Narrowing in Y-Doped Zinc Oxide Nanostructures. Journal of Nanoscience and Nanotechnology, 2012, 12, 75-83.	0.9	17
16	An Investigation on Co-Precipitation Derived ZnO Nanospheres. Journal of Nanoscience and Nanotechnology, 2009, 9, 5966-5972.	0.9	16
17	Structural and Optical Characterization of Samarium Doped Yttrium Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 6747-6752.	0.9	10
18	Synthesis and Structural Studies on Nanocrystalline Yttrium Oxide. Advanced Science Letters, 2009, 2, 65-69.	0.2	9

#	ARTICLE	IF	CITATIONS
19	BLUE EMISSION AND BANDGAP MODIFICATION IN N:ZnO NANORODS. Functional Materials Letters, 2011, 04, 271-275.	0.7	8
20	Nanocrystalline Titanium dioxide coated optical fiber sensor for ammonia vapour detection. Proceedings of SPIE, 2010, , .	0.8	4
21	ZnO-Based pn Homo-Junction Fabricated by Spin Coating Method. Science of Advanced Materials, 2012, 4, 44-53.	0.1	4
22	Influence of Iron Dopant on Structure, Surface Morphology and Optical Properties of ZnO Nanoparticles. Advanced Materials Research, 0, 67, 245-250.	0.3	2
23	Annealed Ce Doped ZnO Coated Fiber Optic Gas Sensor. , 2011, , .		2
24	Enriched adhesion of talc/ZnO nanocomposites on cotton fabric assisted by aloe-vera for bio-medical application. AIP Conference Proceedings, 2015, , .	0.3	1
25	Absorption-Emission study of Zn _{1-x} Al _x O nanostructures. , 2011, , .		0
26	Rectifying behaviour of spin coated pn hetero-junction. AIP Conference Proceedings, 2015, , .	0.3	0