Manjeet Singh

List of Publications by Year in descending order

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35 papers	929 citations	471061 17 h-index	454577 30 g-index
35 all docs	35 docs citations	35 times ranked	1372 citing authors

#	Article	IF	Citations
1	Role of pH in the green synthesis of silver nanoparticles. Materials Letters, 2009, 63, 425-427.	1.3	128
2	Silver Nanowires Binding with Sputtered ZnO to Fabricate Highly Conductive and Thermally Stable Transparent Electrode for Solar Cell Applications. ACS Applied Materials & Interfaces, 2016, 8, 12764-12771.	4.0	74
3	Silver Nanoparticles Biosynthesis, Characterization, Antimicrobial Activities, Applications, Cytotoxicity and Safety Issues: An Updated Review. Nanomaterials, 2021, 11, 2086.	1.9	69
4	Structural and surface plasmon behavior of Cu nanoparticles using different stabilizers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 359, 88-94.	2.3	68
5	Thin-Film Copper Indium Gallium Selenide Solar Cell Based on Low-Temperature All-Printing Process. ACS Applied Materials & Interfaces, 2014, 6, 16297-16303.	4.0	60
6	Silver nanoparticles as antimicrobial therapeutics: current perspectives and future challenges. 3 Biotech, 2018, 8, 411.	1.1	56
7	LSPR and SAXS studies of starch stabilized Agâ€“Cu alloy nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 668-674.	2.3	39
8	Oligodynamic Effect of Silver Nanoparticles: a Review. BioNanoScience, 2018, 8, 951-962.	1.5	38
9	Disulfide exchange assisted self-healing epoxy/PDMS/graphene oxide nanocomposites. Nanoscale Advances, 2020, 2, 2726-2730.	2.2	35
10	Halide perovskite-based photocatalysis systems for solar-driven fuel generation. Solar Energy, 2020, 208, 296-311.	2.9	31
11	Hydroxy phenyl hydrazides and their role as corrosion impeding agent: A detail experimental and theoretical study. Journal of Molecular Liquids, 2021, 330, 115605.	2.3	24
12	Synthesis of nanostructured Agâ€“Cu alloy ultra-fine particles. Materials Letters, 2009, 63, 2243-2245.	1.3	23
13	Green Synthesis of Silver Nanoparticles and their Antifungal Properties. BioNanoScience, 2018, 8, 254-263.	1.5	23
14	Silver and copper nanowire films as cost-effective and robust transparent electrode in energy harvesting through photovoltaic: A review. Materials Today Communications, 2020, 24, 101317.	0.9	22
15	Formation of fractal aggregates during green synthesis of silver nanoparticles. Journal of Nanoparticle Research, 2011, 13, 69-76.	0.8	19
16	Photonic sintering of thin film prepared by dodecylamine capped CuIn Ga1â^'Se2 nanoparticles for printed photovoltaics. Thin Solid Films, 2014, 565, 11-18.	0.8	19
17	Fabrication of band gap tuned Cu2Zn(Sn1-xGex)(S,Se)4 absorber thin film using nanocrystal-based ink in non-toxic solvent. Journal of Alloys and Compounds, 2016, 675, 370-376.	2.8	19
18	Role of Antioxidants in Enhancing Oxidation Stability of Biodiesels. ACS Sustainable Chemistry and Engineering, 2018, 6, 11036-11049.	3.2	19

#	Article	IF	Citations
19	Adsorption study of N (-benzo[d]thiazol-2-yl)-1-(thiophene-2-yl) methanimine at mild steel/aqueous H2SO4 interface. Surfaces and Interfaces, 2022, 33, 102169.	1.5	19
20	NANOINDENTATION STUDIES OF METALLIC GLASSES AND NANOQUASICRYSTALâ€“GLASS COMPOSITES IN Zrâ€“Al (Ga)â€“Cuâ€“Ni ALLOYS. International Journal of Nanoscience, 2011, 10, 929-933.	0.4	18
21	Solution processed silver-nanowire/zinc oxide based transparent conductive electrode for efficient photovoltaic performance. Nano Structures Nano Objects, 2018, 16, 151-155.	1.9	16
22	Advanced nanomaterials utilized as top transparent electrodes in semi-transparent photovoltaic. Colloids and Interface Science Communications, 2022, 46, 100563.	2.0	16
23	Non-toxic precursor solution route for fabrication of CZTS solar cell based on all layers solution processed. Journal of Alloys and Compounds, 2015, 646, 497-502.	2.8	13
24	Synthesis of anisotropic silver nanostructures in presence of polyvinyl pyrrolidone (PVP): LSPR and SAXS analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 390, 167-172.	2.3	12
25	Facile synthesis and size dependent visible light photo catalytic properties of bio-compatible silver nanoclusters. Materials Research Bulletin, 2018, 107, 286-294.	2.7	11
26	Correlating SAXS analysis with LSPR behavior: poly(vinyl alcohol)-stabilized Ag nanoparticles. Journal of Nanoparticle Research, 2011, 13, 4387-4394.	0.8	10
27	Fabrication of dense CIGS film by mixing two types of nanoparticles for solar cell application. Nano Structures Nano Objects, 2017, 11, 129-134.	1.9	10
28	Light induced morphological reforms in thin film of advanced nano-materials for energy generation: A review. Optics and Laser Technology, 2020, 129, 106284.	2.2	9
29	Sugarcane Bagasse-Derived Activated Carbon- (AC-) Epoxy Vitrimer Biocomposite: Thermomechanical and Self-Healing Performance. International Journal of Polymer Science, 2021, 2021, 1-7.	1.2	8
30	Light energy induced sintering of Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e80" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>ZnSnS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e88" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math> nanocrystal-based film fo	1.9	6
31	Photon induced facile synthesis and growth of CuInS 2 absorber thin film for photovoltaic applications. Applied Surface Science, 2016, 369, 183-188.	3.1	5
32	Facile Synthesis of Agâ€TiO₂ Hybrid Nanocluster:A Comprehensive Experimental and Computational Insight into the Role of Surface Ligands on Enhanced Visible Light Photoâ€catalysis. ChemistrySelect, 2018, 3, 10892-10899.	0.7	4
33	Ultrafine Silver Nanoparticles: Synthesis and Biocidal Studies. BioNanoScience, 2018, 8, 735-741.	1.5	4
34	Aggregation Characteristics of Cu and Ag Nanoparticles in Presence of Starch as the Polymer Stabilizer. Advanced Materials Research, 2010, 123-125, 615-618.	0.3	2
35	Metastable wurtzite phase Cu2ZnSnS4 nanocrystal synthesis and application in solar cell. Journal of Solid State Chemistry, 2022, 308, 122900.	1.4	0