

Hossein Abdizadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

381
citations

10
h-index

17
g-index

48
ext. papers

481
ext. citations

2.6
avg, IF

4.1
L-index

#	Paper	IF	Citations
44	Ferro-photocatalytic Enhancement of Photoelectrochemical Water Splitting Using the WO ₃ /BiFeO ₃ Heterojunction. <i>Energy & Fuels</i> , 2021 , 35, 9623-9634	4.1	6
43	Dimethyl Sulfoxide Vapor-Assisted Cs ₂ AgBiBr ₆ Homogenous Film Deposition for Solar Cell Application. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6797-6805	6.1	6
42	Solvent Engineering for Controlled Crystallization and Growth of All-Inorganic Pb-Free Rudorffite Absorbers of Perovskite Solar Cells. <i>Inorganic Chemistry</i> , 2021 , 60, 11110-11119	5.1	2
41	Layered Ruddlesden-Popper Perovskites with Various Thicknesses for Stable Solid-State Solar Cells. <i>Physics of the Solid State</i> , 2020 , 62, 529-541	0.8	
40	Hybrid 1D/2D Carbon Nanostructure-Incorporated Titania Photoanodes for Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6195-6204	6.1	10
39	A different chemical route to prepare hafnium diboride-based nanofibers: Effect of chemical composition. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 2123-2136	2	3
38	Sol-gel synthesis of PZT thin films on FTO glass substrates for electro-optic devices. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 93, 623-632	2.3	1
37	Controlling the extremely preferred orientation texturing of sol-gel derived ZnO thin films with sol and heat treatment parameters. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 93, 28-35	2.3	6
36	Development of a triple-cation Ruddlesden-Popper perovskite structure with various morphologies for solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 2766-2776	2.1	2
35	Triple Layer Heterojunction WO ₃ /BiVO ₄ /BiFeO ₃ Porous Photoanode for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6428-6439	6.1	31
34	Immobilization of Alcohol Dehydrogenase on Titania Nanoparticles To Enhance Enzyme Stability and Remove Substrate Inhibition in the Reaction of Formaldehyde to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9844-9854	3.9	13
33	Hierarchical porous ZnO films synthesized by sol-gel method using triethylenetetramine stabilizer. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4
32	Structural, electrical, and optical properties of sol-gel-derived zirconium-doped barium titanate thin films on transparent conductive substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 86, 141-150	2.3	13
31	A hetero-homogeneous investigation of chemical bath deposited Ga-doped ZnO nanorods 2018 ,		4
30	Growth of ZnO films in sol-gel electrophoretic deposition by different solvents 2018 ,		4
29	Optimized Parameters for Enhanced Properties in AlB ₄ C Composite. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 4475-4485	2.5	11
28	Properties of activated MgH ₂ + mischmetal nanostructured composite produced by ball-milling. <i>Materials for Renewable and Sustainable Energy</i> , 2018 , 7, 1	4.7	7

27	Synthesizing nanostructured crack-free thick films of Fe-doped lead zirconate titanate by sol-gel dip coating method. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 81, 814-823	2.3	3
26	All solution processable graded CIGS solar cells fabricated using electrophoretic deposition. <i>RSC Advances</i> , 2016 , 6, 11903-11910	3.7	13
25	Boron carbide reinforced aluminium matrix composite: Physical, mechanical characterization and mathematical modelling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 658, 135-149	5.3	103
24	The synergistic effect of catalysts on hydrogen desorption properties of MgH ₂ /TiO ₂ /NiO nanocomposite. <i>Materials for Renewable and Sustainable Energy</i> , 2016 , 5, 1	4.7	5
23	Fabrication of Nb-doped lead zirconate titanate thick films synthesized by sol-gel dip coating method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 5654-5664	2.1	5
22	High performance NiCNTs catalyst: synthesis and characterization. <i>RSC Advances</i> , 2016 , 6, 47072-47082	3.7	9
21	Fabrication of TiB ₂ nanoparticulates-reinforced aluminum matrix composites by powder metallurgy route. <i>Journal of Composite Materials</i> , 2015 , 49, 3115-3125	2.7	7
20	Electrophoretic Deposition of CuIn _{1-x} Ga _x Se ₂ Thin Films Using Solvothermal Synthesized Nanoparticles for Solar Cell Application. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23250-23258	3.8	16
19	Investigation into the Mechanical Properties and Fracture Behavior of A356 Aluminum Alloy-Based ZrO ₂ -Particle-Reinforced Metal-Matrix Composites. <i>Mechanics of Composite Materials</i> , 2013 , 49, 571-576	1.1	10
18	Optimized Sol-gel Chemical Route Using Vacuum Suction for Fabrication of Densely Packed NiFe ₂ O ₄ Nanowires. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 2743-2748	1.5	
17	Optimization of the Sol-gel Chemical Route for Fabrication of Densely Packed NiFe ₂ O ₄ Nanowires in the AAO Template. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 2047-2052	1.5	5
16	Microstructural and mechanical properties of nanometric magnesium oxide particulate-reinforced aluminum matrix composites produced by powder metallurgy method. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 367-372	1.6	24
15	EFFECT OF REVERSE MICELLE WATER POOL IN SYNTHESIS OF ZIRCONIA STABILIZED COPPER NANOCOMPOSITE. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 559-567	0.7	
14	STUDY OF MECHANICAL PROPERTIES AND FRACTURE MODE OF ALUMINA-SILICON CARBIDE NANOCOMPOSITES. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 551-558	0.7	5
13	Synthesizing Nanostructured Ni ₇₅ Mg _{16.66} Y _{8.34} (at%) Powder by Solid State Reaction and Mechanical Milling. <i>Materials and Manufacturing Processes</i> , 2012 , 27, 1300-1305	4.1	8
12	DENSIFICATION AND MECHANICAL PROPERTIES OF TiB ₂ -SiC NANOCOMPOSITE WITH SILICON CARBAID AS A SINTERING AID. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 598-606	0.7	5
11	EFFECT OF MgO NANO PARTICLES ON SINTERING BEHAVIOR OF Al ₂ O ₃ -SiC-MgO NANO COMPOSITES. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 568-573	0.7	2
10	INFLUENCE OF B ₄ C TO TTIP MOLAR RATIO ON SYNTHESIS OF NANO TITANIUM DIBORIDE POWDERS VIA SOL-GEL METHOD. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 219-226	0.7	1

9	Evaluation of four coals for blast furnace pulverized coal injection. <i>Journal of Iron and Steel Research International</i> , 2010 , 17, 8-12	1.2	16
8	Size-controlled synthesis of CuO/ZrO ₂ nanoparticles prepared through reverse micelle method. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 53, 263-271	2.3	6
7	STRUCTURAL AND MORPHOLOGY OF NANOPOWDERS COPPER-STABILIZED ZIRCONIA. <i>Surface Review and Letters</i> , 2009 , 16, 569-577	1.1	2
6	Influence of talc additive on cold strength and reducibility of iron ore sinters compared to bentonite. <i>Ironmaking and Steelmaking</i> , 2009 , 36, 273-278	1.3	4
5	EFFECTS OF PROCESSING TEMPERATURE AND FABRICATION METHOD ON MICROSTRUCTURE AND DENSITY OF MULTILAYER AL ₂ O ₃ -ZrO ₂ NANOCOMPOSITES. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3254-3260	1.1	2
4	SYNTHESIS OF NANO-SIZE MgO POWDER BY CHEMICAL DEPOSITION OF LOW COST RAW MATERIALS. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3185-3192	1.1	4
3	EFFECTS OF CALCINATIONS TEMPERATURE ON THE STRUCTURE OF CuO-ZrO ₂ NANOPARTICLES. <i>International Journal of Modern Physics B</i> , 2008 , 22, 3201-3209	1.1	2
2	Poster: Electronic Structure, Lattice Dynamics, and Transport 471-522		
1	Effects of hafnium and boron on antibacterial and mechanical properties of polyvinylpyrrolidone-based nanofibrous composites. <i>Polymer Bulletin</i> , 1	2.4	1