

Mohammad Reza Golobostanfard

List of Publications by Year in descending order

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64
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1,097
citations

394421

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65
docs citations

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times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing the planar and porous Nb-doped TiO ₂ photoanode of triple cation perovskite solar cells. Materials Science in Semiconductor Processing, 2022, 138, 106259.	4.0	6
2	Sulfides as a new class of stable cost-effective materials compared to organic/inorganic hole transport materials for perovskite solar cells. Ceramics International, 2022, , .	4.8	4
3	Hierarchical mesoporous SnO ₂ /BiVO ₄ photoanode decorated with Ag nanorods for efficient photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2022, 47, 18992-19004.	7.1	6
4	Recent development in MOFs for perovskite-based solar cells. , 2022, , 507-534.		1
5	Sol-electrophoretic deposition of TiO ₂ nanoparticle/nanorod array for photoanode of dye-sensitized solar cell. Materials Chemistry and Physics, 2021, 258, 123893.	4.0	15
6	Elpasolite structures based on A ₂ AgBiX ₆ (A: MA, Cs, X: I, Br): Application in double perovskite solar cells. Materials Science in Semiconductor Processing, 2021, 125, 105639.	4.0	22
7	Ferro-photocatalytic Enhancement of Photoelectrochemical Water Splitting Using the WO ₃ /BiFeO ₃ Heterojunction. Energy & Fuels, 2021, 35, 9623-9634.	5.1	21
8	Dimethyl Sulfoxide Vapor-Assisted Cs ₂ AgBiBr ₆ Homogenous Film Deposition for Solar Cell Application. ACS Applied Energy Materials, 2021, 4, 6797-6805.	5.1	20
9	Piezoelectric: Multi-stacked hard/soft Pb(Ti,Zr)O ₃ films deposited through wet chemical method. Materials Chemistry and Physics, 2021, 267, 124637.	4.0	2
10	Solvent Engineering for Controlled Crystallization and Growth of All-Inorganic Pb-Free Rudorffite Absorbers of Perovskite Solar Cells. Inorganic Chemistry, 2021, 60, 11110-11119.	4.0	6
11	Optical properties of multi-stacked BaTiO ₃ /SrTiO ₃ thin films synthesized via chemical method. Ceramics International, 2021, 47, 17895-17906.	4.8	4
12	Controlling the performance of one-dimensional homojunction UV detectors based on ZnO nanoneedles array. Sensors and Actuators A: Physical, 2021, 331, 112916.	4.1	7
13	Boosting the Graded Structure of 2D Perovskite Solar Cell Based on BA ₂ MA ⁿ 1Pbn _{3n+1} by Noninteger n Values. ACS Applied Energy Materials, 2021, 4, 394-403.	5.1	7
14	Sol-gel synthesis of PZT thin films on FTO glass substrates for electro-optic devices. Journal of Sol-Gel Science and Technology, 2020, 93, 623-632.	2.4	10
15	Controlling the extremely preferred orientation texturing of sol-gel derived ZnO thin films with sol and heat treatment parameters. Journal of Sol-Gel Science and Technology, 2020, 93, 28-35.	2.4	16
16	Hybrid 1D/2D Carbon Nanostructure-Incorporated Titania Photoanodes for Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 6195-6204.	5.1	17
17	Hierarchical porous Ga doped ZnO films synthesized by sol-electrophoretic deposition. Ceramics International, 2020, 46, 12665-12674.	4.8	13
18	Triple Layer Heterojunction WO ₃ /BiVO ₄ /BiFeO ₃ Porous Photoanode for Efficient Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2019, 2, 6428-6439.	5.1	57

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19	Hierarchical porous ZnO films synthesized by sol-gel method using triethylenetetramine stabilizer. SN Applied Sciences, 2019, 1, 1.	2.9	8
20	Ag and Cu doped ZnO nanowires: A pH-Controlled synthesis via chemical bath deposition. Materialia, 2019, 5, 100212.	2.7	30
21	Structural, electrical, and optical properties of sol-gel-derived zirconium-doped barium titanate thin films on transparent conductive substrates. Journal of Sol-Gel Science and Technology, 2018, 86, 141-150.	2.4	25
22	Electrophoretic deposition of Cu ₂ ZnSn(S _{0.5} Se _{0.5}) ₄ films using solvothermal synthesized nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	0
23	A hetero-homogeneous investigation of chemical bath deposited Ga-doped ZnO nanorods. AIP Conference Proceedings, 2018, , .	0.4	6
24	Growth of ZnO films in sol-gel electrophoretic deposition by different solvents. AIP Conference Proceedings, 2018, , .	0.4	4
25	An investigation into the role of polyethyleneimine in chemical bath deposition of zinc oxide nanowires. AIP Conference Proceedings, 2018, , .	0.4	2
26	Enhanced photoelectrochemical water splitting in hierarchical porous ZnO/Reduced graphene oxide nanocomposite synthesized by sol-gel method. International Journal of Hydrogen Energy, 2018, 43, 7754-7763.	7.1	54
27	Electrophoretic behavior of solvothermal synthesized anion replaced Cu ₂ ZnSn(S _x Se _{1-x}) ₄ films for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2018, 43, 11990-12001.	7.1	13
28	Flexible supercapacitor electrodes based on TiO ₂ /rGO/TiO ₂ sandwich type hybrids. Ceramics International, 2018, 44, 4132-4141.	4.8	28
29	Biom mineralization behavior of electrophoretic-deposited hydroxyapatite-tricalcium phosphate biphasic composite. Applied Surface Science, 2018, 458, 988-995.	6.1	8
30	Hierarchical ZnO nanoflowers and urchin-like shapes synthesized via sol-gel electrophoretic deposition with enhanced photocatalytic performance. Materials Chemistry and Physics, 2018, 220, 118-127.	4.0	22
31	Solution processable wurtzite CuInS ₂ inverted type solar cell. Solar Energy Materials and Solar Cells, 2017, 164, 1-6.	6.2	25
32	Flexible freestanding sandwich type ZnO/rGO/ZnO electrode for wearable supercapacitor. Applied Surface Science, 2017, 419, 277-285.	6.1	57
33	Comparing the electrophoretic deposition process of graphene oxides synthesized through different methods. Thin Solid Films, 2017, 631, 118-123.	1.8	15
34	Formation of urchin-like ZnO nanostructures by sol-gel electrophoretic deposition for photocatalytic application. Journal of Alloys and Compounds, 2017, 725, 291-301.	5.5	38
35	Hierarchical porous photoanode based on acid boric catalyzed sol for dye sensitized solar cells. Applied Surface Science, 2017, 394, 37-46.	6.1	9
36	Synthesizing nanostructured crack-free thick films of Fe-doped lead zirconate titanate by sol-gel dip coating method. Journal of Sol-Gel Science and Technology, 2017, 81, 814-823.	2.4	3

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37	Fabrication of Nb-doped lead zirconate titanate thick films synthesized by sol-gel dip coating method. Journal of Materials Science: Materials in Electronics, 2016, 27, 5654-5664.	2.2	6
38	A close correlation between nucleation sites, growth and final properties of ZnO nanorod arrays: Sol-gel assisted chemical bath deposition process. Ceramics International, 2016, 42, 14721-14729.	4.8	20
39	All solution processable graded CIGS solar cells fabricated using electrophoretic deposition. RSC Advances, 2016, 6, 11903-11910.	3.6	17
40	Controlling the morphology and properties of solvothermal synthesized Cu ₂ ZnSnS ₄ nanoparticles by solvent type. Journal of Alloys and Compounds, 2015, 642, 124-130.	5.5	33
41	Electrophoretic Deposition of Cu _n -xGa _x Se ₂ Thin Films Using Solvothermal Synthesized Nanoparticles for Solar Cell Application. Journal of Physical Chemistry C, 2015, 119, 23250-23258.	3.1	19
42	Carbon nanotube/indium tin oxide hybrid transparent conductive film: Effect of nanotube diameter. Solar Energy Materials and Solar Cells, 2015, 132, 418-424.	6.2	17
43	Comparing incorporation of carbon nanotubes in hierarchical porous photoanodes of quantum dot and dye sensitized solar cells. Ceramics International, 2015, 41, 497-504.	4.8	10
44	Hierarchical sol-gel derived porous titania/carbon nanotube films prepared by controlled phase separation. Microporous and Mesoporous Materials, 2014, 183, 74-80.	4.4	25
45	Influence of process parameters on synthesis of hierarchical porous titania photoanode prepared by controlled phase separation for dye sensitized solar cell. Ceramics International, 2014, 40, 9311-9318.	4.8	2
46	Hierarchical porous titania/carbon nanotube nanocomposite photoanode synthesized by controlled phase separation for dye sensitized solar cell. Solar Energy Materials and Solar Cells, 2014, 120, 295-302.	6.2	32
47	Tandem structured quantum dot/rod sensitized solar cell based on solvothermal synthesized CdSe quantum dots and rods. Journal of Power Sources, 2014, 256, 102-109.	7.8	22
48	Sol-gel derived Al and Ga co-doped ZnO thin films: An optoelectronic study. Applied Surface Science, 2014, 290, 252-259.	6.1	111
49	Synthesis and characterization of thick PZT films via sol-gel dip coating method. Applied Surface Science, 2014, 314, 711-719.	6.1	23
50	Incorporation of carbon nanotubes in a hierarchical porous photoanode of tandem quantum dot sensitized solar cells. Nanotechnology, 2014, 25, 345402.	2.6	9
51	Influence of carbon nanotube wall thickness on performance of dye sensitized solar cell with hierarchical porous photoanode. Microporous and Mesoporous Materials, 2014, 191, 74-81.	4.4	19
52	Incorporating Carbon Nanotubes in Sol-Gel Synthesized Indium Tin Oxide Transparent Conductive Films. Langmuir, 2014, 30, 11785-11791.	3.5	10
53	Effects of process parameters on the synthesis and characterization of Cu _n 1-xGa _x Se ₂ nanopowders produced by new modified solvothermal method. Materials Science in Semiconductor Processing, 2013, 16, 1397-1404.	4.0	15
54	Effects of acid catalyst type on structural, morphological, and optoelectrical properties of spin-coated TiO ₂ thin film. Physica B: Condensed Matter, 2013, 413, 40-46.	2.7	26

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55	Effect of niobium doping on opto-electronic properties of sol-gel based nanostructured indium tin oxide thin films. <i>Ceramics International</i> , 2013, 39, 4391-4398.	4.8	18
56	Opto-electronic properties of molybdenum doped indium tin oxide nanostructured thin films prepared via sol-gel spin coating. <i>Ceramics International</i> , 2013, 39, 6953-6961.	4.8	26
57	Synthesis and Characterization of Indium Niobium Oxide Thin Films via Sol-Gel Spin Coating Method. <i>Journal of Materials Science and Technology</i> , 2013, 29, 923-928.	10.7	9
58	An Investigation of Solvent Effect on Rhombohedral/Monoclinic/Tetragonal Phase Properties of $Pb(Zr_{0.53}Ti_{0.47})O_3$ Nanoparticles Prepared via Sol-Gel Method. <i>Advanced Materials Research</i> , 2013, 829, 698-702.	0.3	4
59	Low Temperature Synthesis of Barium Titanate Powder by a Modified Sol-Gel Method. <i>Advanced Materials Research</i> , 2013, 829, 727-731.	0.3	5
60	Effect of mixed solvent on structural, morphological, and optoelectrical properties of spin-coated TiO_2 thin films. <i>Ceramics International</i> , 2012, 38, 5843-5851.	4.8	25
61	Influence of Al nitrate and Al chloride doping sources on structural and optical properties of sol-gel derived Al:ZnO nanoparticles. <i>Micro and Nano Letters</i> , 2012, 7, 572.	1.3	3
62	Effects of Calcination Parameters on the Microstructure and Morphology of PZT Nanoparticles Prepared by Modified Sol-Gel Method. <i>Advanced Materials Research</i> , 0, 576, 326-329.	0.3	8
63	Structural, Optical and Electrical Characterization of Mo Doped $In_{2.5}O_{3.5}$ Thin Films Prepared via Sol-Gel Spin Coating Technique. <i>Advanced Materials Research</i> , 0, 576, 607-610.	0.3	1
64	Solvothermal Synthesis of $CuInSe_2$ Nanostructured Powders: Comparing Open-Air with Applying Internal Imposed Pressure. <i>Advanced Materials Research</i> , 0, 829, 912-916.	0.3	1