

Maziar Marandi

List of Publications by Citations

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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.

41
papers

629
citations

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h-index

23
g-index

43
ext. papers

697
ext. citations

4.2
avg, IF

4.36
L-index

#	Paper	IF	Citations
41	Near-white emitting QD-LED based on hydrophilic CdS nanocrystals. <i>Journal of Luminescence</i> , 2012 , 132, 467-473	3.8	81
40	Thermal control of the size and crystalline phase of CdS nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 3812-3816	3.4	60
39	A photochemical method for controlling the size of CdS nanoparticles. <i>Nanotechnology</i> , 2005 , 16, 334-8	3.4	51
38	Synthesis of CdS nanocrystals by a microwave activated method and investigation of the photoluminescence and electroluminescence properties. <i>Applied Surface Science</i> , 2011 , 257, 9796-9801	6.7	36
37	High-efficiency CdTe/CdS core/shell nanocrystals in water enabled by photo-induced colloidal hetero-epitaxy of CdS shelling at room temperature. <i>Nano Research</i> , 2015 , 8, 2317-2328	10	31
36	Fine tuning of the size of CdS nanoparticles synthesized by a photochemical method. <i>Nanotechnology</i> , 2006 , 17, 1230-1235	3.4	24
35	Optimization of CuInGaS Nanoparticles and Their Application in the Hole-Transporting Layer of Highly Efficient and Stable Mixed-Halide Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30838-30845	9.5	23
34	Synthesis of highly luminescent CdTe/CdS core-shell nanocrystals by optimization of the core and shell growth parameters. <i>Optical Materials</i> , 2017 , 69, 358-366	3.3	21
33	Highly sensitive selective sensing of nickel ions using repeatable fluorescence quenching-emerging of the CdTe quantum dots. <i>Materials Research Bulletin</i> , 2017 , 95, 532-538	5.1	21
32	Synthesis of TiO ₂ hollow spheres using titanium tetraisopropoxide: fabrication of high efficiency dye sensitized solar cells with photoanodes of different nanocrystalline TiO ₂ sub-layers. <i>RSC Advances</i> , 2014 , 4, 58064-58076	3.7	20
31	Facile synthesis of gradient alloyed Zn _x Cd _{1-x} S nanocrystals using a microwave-assisted method. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 380-384	5.7	20
30	Fast two-step microwave-activated synthesis of Mn doped ZnS nanocrystals: Comparison of the luminescence and doping process with thermochemical approach. <i>Journal of Luminescence</i> , 2011 , 131, 721-726	3.8	20
29	Thermochemical growth of Mn-doped CdS nanoparticles and study of luminescence evolution. <i>Nanotechnology</i> , 2008 , 19, 225705	3.4	20
28	Optimization of the Photoanode of CdS Quantum Dot-Sensitized Solar Cells Using Light-Scattering TiO ₂ Hollow Spheres. <i>Journal of Electronic Materials</i> , 2017 , 46, 6769-6783	1.9	19
27	Self-assembled one-pot synthesis of red luminescent CdS:Mn/Mn(OH) ₂ nanoparticles. <i>Journal of Luminescence</i> , 2008 , 128, 1980-1984	3.8	15
26	Synthesis of randomly directed inclined TiO ₂ nanorods on the nanocrystalline TiO ₂ layers and their optimized application in dye sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 603-610	5.7	14
25	Aqueous synthesis of CdTe-CdS core shell nanocrystals and effect of shell-formation process on the efficiency of quantum dot sensitized solar cells. <i>Solar Energy</i> , 2019 , 188, 35-44	6.8	13

24	Effect of hydrazine hydrate on the luminescence properties of MPA capped CdTe nanocrystals in hot injection method. <i>Journal of Luminescence</i> , 2014 , 156, 235-239	3.8	13
23	Hydrothermal synthesis of TiO ₂ nanocrystals in different basic pHs and their applications in dye sensitized solar cells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 70, 113-120	3	12
22	Hydrothermal growth of a composite TiO ₂ hollow spheres/TiO ₂ nanorods powder and its application in high performance dye-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 833, 143-150	4.1	12
21	Microwave activated synthesis of Ag ₂ S and Ag ₂ S@ZnS nanocrystals and their application in well-performing quantum dot sensitized solar cells. <i>Solar Energy</i> , 2020 , 202, 155-163	6.8	12
20	Application of combinative TiO ₂ nanorods and nanoparticles layer as the electron transport film in highly efficient mixed halides perovskite solar cells. <i>Electrochimica Acta</i> , 2019 , 297, 1071-1078	6.7	9
19	Co-application of TiO ₂ nanoparticles and randomly directed TiO ₂ nanorods in the photoelectrode of the CdS:Mn quantum dots sensitized solar cells and optimization of the doping for the efficiency improvement. <i>Optical Materials</i> , 2019 , 94, 224-230	3.3	8
18	Fabrication of dye sensitized solar cells with different photoanode compositions using hydrothermally grown and P25 TiO ₂ nanocrystals. <i>EPJ Applied Physics</i> , 2015 , 69, 20401	1.1	8
17	Fabrication of submicron/micron size cavities included TiO ₂ photoelectrodes and optimization of light scattering to improve the photovoltaic performance of CdS quantum dot sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 167-174	4.1	7
16	Influence of cathode roughness on the performance of F8BT based organic/inorganic light emitting diodes. <i>Organic Electronics</i> , 2015 , 16, 87-94	3.5	7
15	The constructive role of ZnSe passivating layer on the photovoltaic performance of the fast-fabricated CdS/CdSe quantum dot sensitized solar cells. <i>Optical Materials</i> , 2020 , 105, 109918	3.3	7
14	Aqueous synthesis of the CdTe NCs and influence of size on photovoltaic performance of the CdS/CdTe co-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2019 , 800, 140-149	5.7	6
13	Facile modified cyclic electrophoretic deposition of hydrothermally prepared TiO ₂ nanocrystals and their application in dye sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 264-270	5.7	6
12	A new co-solvent assisted CuSCN deposition approach for better coverage and improvement of the energy conversion efficiency of corresponding mixed halides perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 11576-11587	2.1	5
11	Effects of PbS quantum dots layer and different light scattering films on the photovoltaic performance of double passivated PbS, CdS and CdSe quantum dots sensitized solar cells. <i>Solar Energy</i> , 2021 , 221, 418-432	6.8	5
10	Investigating the different conditions on solution processed MoO _x thin film in long lifetime fluorescent polymer light emitting diodes. <i>Materials Chemistry and Physics</i> , 2018 , 204, 262-268	4.4	4
9	Facile fabrication of hyper-branched TiO ₂ hollow spheres for high efficiency dye-sensitized solar cells. <i>Solar Energy</i> , 2018 , 174, 888-896	6.8	4
8	Fabrication of dye-sensitized solar cells with multilayer photoanodes of hydrothermally grown TiO ₂ nanocrystals and P25 TiO ₂ nanoparticles. <i>Bulletin of Materials Science</i> , 2016 , 39, 1403-1410	1.7	3
7	Super-hydrophilic characteristic of thermochemically prepared CdS nanocrystals. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 58, 146-152	3	3

6	Optimization of the doping process and light scattering in CdS:Mn quantum dots sensitized solar cells for the efficiency enhancement. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3820-3832	2.1	3
5	Fabrication of dye sensitized solar cells with improved multi-layer photonodes of hydrothermally grown TiO ₂ nanocrystals in different autoclaving pHs. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9548-9558	2.1	2
4	Application of TiO ₂ hollow spheres and ZnS/SiO ₂ double-passivating layers in the photoanode of the CdS/CdSe QDs sensitized solar cells for the efficiency enhancement. <i>Solar Energy</i> , 2021 , 216, 48-60	6.8	2
3	Highly Formed Luminescent Oxygen Trap States in Thermochemically Prepared CdS Nanocrystals and Improvement of the Luminescence Property. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016 , 46, 327-333		1
2	Fabrication of quantum dot-sensitized solar cells with multilayer TiO ₂ /PbS(X)/CdS/CdSe/ZnS/SiO ₂ photoanode and optimization of the PbS nanocrystalline layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10123-10139	2.1	0
1	Cd ²⁺ -sensing property of highly luminescent CdTe nanocrystals in the presence of Na ₂ S ₂ O ₃ . <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	