

Xiaobo Chen

List of Publications by Year in descending order

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36
papers

411
citations

687220

13
h-index

794469

19
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37
all docs

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37
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	CuS cluster microspheres anchored on reduced graphene oxide as electrode material for asymmetric supercapacitors with outstanding performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4805-4814.	1.1	9
2	Atmospheric plasma reaction synthesised Pt _x /Fe _{1-x} /graphene and TiO ₂ nanoparticles/graphene for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2021, 11, 6464-6471.	1.7	4
3	First-principles study on electronic and optical properties of Mg-N dual-acceptor codoped CuAlO ₂ . <i>Materials Research Express</i> , 2021, 8, 015904.	0.8	0
4	Facile synthesis of NiCo ₂ S ₄ nanosheets on graphitized carbon microspheres for high-performance asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021, 35, 102309.	3.9	15
5	Nanosheets assembled layered MXene/MoSe ₂ nanohybrid positive electrode materials for high-performance asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021, 40, 102721.	3.9	26
6	In situ synthesis of Ti ₃ C ₂ T _x MXene/CoS nanocomposite as high performance counter electrode materials for quantum dot-sensitized solar cells. <i>Solar Energy</i> , 2021, 226, 236-244.	2.9	19
7	In situ grown hierarchical NiCo ₂ O ₄ @MnMoO ₄ core-shell nanoarrays on carbon cloth as high-performance counter electrode for dye-sensitized solar cells. <i>Solar Energy</i> , 2021, 227, 616-624.	2.9	7
8	Facile fabrication of CuCo ₂ S ₄ nanoparticles/MXene composite as anode for high-performance asymmetric supercapacitor. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7606-7616.	3.2	12
9	(Cu, Ag)-DOPED ZnS WITH WIDE VISIBLE LIGHT RANGE ABSORPTION FOR WATER SPLITTING: A THEORETICAL AND EXPERIMENTAL STUDY. <i>Surface Review and Letters</i> , 2020, 27, 1950139.	0.5	1
10	Structure and optical properties of HfO ₂ films on Si (100) substrates prepared by ALD at different temperatures. <i>Physica B: Condensed Matter</i> , 2020, 584, 412065.	1.3	20
11	CoS/Nanocarbon Composite as a Catalytic Counter Electrode for Improved Performance of Quantum Dot-Sensitized Solar Cells. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	1.5	4
12	Synthesis of Porous NiMo Sulfide Microspheres for High-Performance Dye-Sensitized Solar Cells and Supercapacitor. <i>Nano</i> , 2019, 14, 1950048.	0.5	11
13	SPUTTER-GROWN Sb-DOPED SILICON NANOCRYSTALS EMBEDDED IN SILICON-RICH CARBIDE FOR Si HETEROJUNCTION SOLAR CELLS. <i>Surface Review and Letters</i> , 2018, 25, 1850068.	0.5	0
14	A double-layered photoanode made of ZnO/TiO ₂ composite nanoflowers and TiO ₂ nanorods for high efficiency dye-sensitized solar cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 685-691.	1.2	19
15	Performance enhancement of asymmetric supercapacitors with bud-like Cu-doped Mn ₃ O ₄ hollow and porous structures on nickel foam as positive electrodes. <i>RSC Advances</i> , 2018, 8, 35878-35887.	1.7	15
16	Co ₃ O ₄ /carbon allotrope composites as anode material for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018, 830-831, 116-121.	1.9	10
17	Porous tremella-like NiCo ₂ S ₄ networks electrodes for high-performance dye-sensitized solar cells and supercapacitors. <i>Solar Energy</i> , 2018, 176, 762-770.	2.9	20
18	Successful synthesis of interconnected Co _{0.85} Se nanosheets with high pore volume and its electrochemical performance in supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20564-20572.	1.1	3

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19	Advanced binder-free electrodes based on CoMn ₂ O ₄ @Co ₃ O ₄ core/shell nanostructures for high-performance supercapacitors. RSC Advances, 2018, 8, 31594-31602.	1.7	32
20	High-performance dye-sensitized solar cells using Ag-doped CoS counter electrodes. RSC Advances, 2018, 8, 18792-18799.	1.7	14
21	Size-controllable synthesis of NiCoSe ₂ microspheres as a counter electrode for dye-sensitized solar cells. RSC Advances, 2018, 8, 26047-26055.	1.7	28
22	Preparation of a MoS ₂ /carbon nanotube composite as an electrode material for high-performance supercapacitors. RSC Advances, 2018, 8, 29488-29494.	1.7	39
23	Facile hydrothermal synthesis of ternary NiCoSe/carbon nanotube nanocomposites as advanced electrodes for lithium storage. RSC Advances, 2018, 8, 28710-28715.	1.7	11
24	Microwave annealing enhances formation of silicon quantum dots in oxide matrix. Journal of Materials Science: Materials in Electronics, 2017, 28, 5663-5668.	1.1	1
25	Synthesis and characterization of antimony-doped n-type silicon quantum dots. International Journal of Modern Physics B, 2017, 31, 1750110.	1.0	2
26	Efficient dye-sensitized solar cells with CoSe/graphene composite counter electrodes. Solar Energy, 2017, 144, 342-348.	2.9	29
27	Efficient Dye-Sensitized Solar Cells Based on Nanoflower-like ZnO Photoelectrode. Molecules, 2017, 22, 1284.	1.7	20
28	Facile synthesis of NiS/graphene composite with high catalytic activity for high-efficiency dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2017, 21, 2799-2805.	1.2	5
29	Preparation and properties of Si/SiC _x O _y multilayer films containing Si quantum dots. Journal of Materials Science: Materials in Electronics, 2016, 27, 4959-4965.	1.1	0
30	Light-scattering photoanodes from double-layered mesoporous TiO ₂ nanoparticles/SiO ₂ nanospheres for dye-sensitized solar cells. Electrochimica Acta, 2016, 213, 1-7.	2.6	15
31	Preparation and photovoltaic properties of silicon quantum dots embedded in a dielectric matrix: a review. Journal of Materials Science: Materials in Electronics, 2015, 26, 4604-4617.	1.1	14
32	Photovoltaic properties of silicon nanocrystals in silicon nitride prepared by ammonia sputtering. Functional Materials Letters, 2015, 08, 1550052.	0.7	0
33	Effect of Sn doping on the formation of silicon nanocrystal in silicon nitride films. Modern Physics Letters B, 2015, 29, 1550026.	1.0	1
34	Fabrication and characterization of high density silicon quantum dots in gradient Si-rich carbide films. Modern Physics Letters B, 2014, 28, 1450215.	1.0	1
35	Density improvement of Si quantum dots embedded in Si-rich silicon nitride films by light-filtering rapid thermal processing. Journal of Materials Science: Materials in Electronics, 2014, 25, 5410-5415.	1.1	2
36	Properties of Silicon Quantum Dots Embedded in Silicon Nitride Deposited by Magnetron Co-Sputtering. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 534-537.	0.1	2