Aixiang Wei

List of Publications by Citations

51	555	13	21
papers	citations	h-index	g-index
55	676	3.9	3.94
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
51	Preparation and characterization of ZnS thin films prepared by chemical bath deposition. *Materials Science in Semiconductor Processing*, **2013**, 16, 1478-1484	4.3	59
50	Synthesis of flower-like MoS2 nanosheets microspheres by hydrothermal method. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 8160-8166	2.1	46
49	Effect of different complexing agents on the properties of chemical-bath-deposited ZnS thin films. *Journal of Alloys and Compounds*, **2014**, 588, 228-234	5.7	45
48	Synthesis and characterization of CdSe nanocrystalline thin films deposited by chemical bath deposition. *Materials Science in Semiconductor Processing*, **2013**, 16, 1592-1598	4.3	34
47	Graphene/In2S3 van der Waals Heterostructure for Ultrasensitive Photodetection. *ACS Photonics*, **2018**, 5, 4912-4919	6.3	28
46	Solvothermal synthesis of Cu2ZnSnS4 nanocrystalline thin films for application of solar cells. *International Journal of Hydrogen Energy*, **2015**, 40, 797-805	6.7	26
45	Dye-sensitized solar cells based on ZnO nanoflowers and TiO2 nanoparticles composite photoanodes. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 1122-1126	2.1	26
44	Growth of Cu2ZnSnS4 thin films on transparent conducting glass substrates by the solvothermal method. *Materials Letters*, **2013**, 111, 120-122	3.3	26
43	Thickness-Dependent Optical Properties and In-Plane Anisotropic Raman Response of the 2D In2S3. *Advanced Optical Materials*, **2019**, 7, 1901085	8.1	25
42	Investigation on the structure and optical properties of chemically deposited ZnSe nanocrystalline thin films. *Physica B: Condensed Matter*, **2013**, 410, 120-125	2.8	21
41	In-situ growth of Cu2ZnSnS4 nanospheres thin film on transparent conducting glass and its application in dye-sensitized solar cells. *Materials Letters*, **2015**, 141, 228-230	3.3	20
40	Self-supported hierarchical porous Li4Ti5O12/carbon arrays for boosted lithium ion storage. *Journal of Energy Chemistry*, **2021**, 54, 754-760	12	16
39	Controllable growth of large-area atomically thin ReS2 films and their thickness-dependent optoelectronic properties. *Applied Physics Letters*, **2019**, 114, 153102	3.4	14
38	Direct growth of Cu2ZnSnS4 on three-dimensional porous reduced graphene oxide thin films as counter electrode with high conductivity and excellent catalytic activity for dye-sensitized solar cells. *Journal of Materials Science*, **2018**, 53, 2748-2757	4.3	13
37	Synthesis of Submillimeter-Scale Single Crystal Stannous Sulfide Nanoplates for Visible and Near-Infrared Photodetectors with Ultrahigh Responsivity. *Advanced Electronic Materials*, **2018**, 4, 1800154	6.4	13
36	Rapid synthesis of Cu2ZnSnS4 nanocrystalline thin films directly on transparent conductive glass substrates by microwave irradiation. *Materials Letters*, **2015**, 148, 63-66	3.3	10
35	Study of carbon-based hole-conductor-free perovskite solar cells. *International Journal of Hydrogen Energy*, **2018**, 43, 11403-11410	6.7	10

34	Solvothermal synthesis of CuInS2 powders and CuInS2 thin films for solar cell application. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 5055-5060	2.1	10
33	Atomic Layer Deposition-Assisted Construction of Binder-Free Ni@N-Doped Carbon Nanospheres Films as Advanced Host for Sulfur Cathode. *Nano-Micro Letters*, **2019**, 11, 64	19.5	9
32	Synthesis and characterization of Cu2ZnSnS4 nanocrystals prepared by microwave irradiation method. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 5645-5652	2.1	8
31	Hydrothermal synthesis of WSe2 films and their application in high-performance photodetectors. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	8
30	Study of perovskite solar cells based on mixed-organic-cation FAMAPbI absorption layer. *Physical Chemistry Chemical Physics*, **2019**, 21, 11822-11828	3.6	7
29	Synthesis of CoS@NiS core/shell nanoarrays as efficient counter electrode for dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 4904-4907	2.1	6
28	Synthesis of vertically aligned CoS prismatic nanorods as counter electrodes for dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 1541-1546	2.1	6
27	Synthesis and characterization of the ultra-thin SnS flakes and the micron-thick SnS crystals by chemical vapor deposition. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 10879-10885	2.1	6
26	SYNTHESIS OF SUB-10 NM TiO2 NANOWIRES FOR THE APPLICATION OF DYE-SENSITIZED SOLAR CELLS. *Functional Materials Letters*, **2013**, 06, 1350017	1.2	6
25	Structural and electrical properties of Ta 2 O 5 thin films prepared by photo-induced CVD. *Bulletin of Materials Science*, **2011**, 34, 443-446	1.7	6
24	Chemical vapor deposition of two-dimensional SnS2 nanoflakes and flower-shaped SnS2. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 16057-16063	2.1	5
23	Dye-sensitized solar cells based on multilayered ultrafine TiO2 nanowire photoanodes. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 4008-4011	2.1	5
22	Colloidally synthesized MoSe2 nano-flowers anchored on three-dimensional porous reduced graphene oxide thin films as advanced counter electrode for dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 15418-15422	2.1	5
21	Growth of large-area two-dimensional non-layered In2S3 continuous thin films and application for photodetector device. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 18175-18185	2.1	4
20	Synthesis of nanostructured CuInS2 thin films and their application in dye-sensitized solar cells. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	3
19	Controllable growth of large-area monolayer ReS2 flakes by chemical vapor deposition. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 15042-15053	2.1	3
18	Influence of Deposition Parameters on the Morphology, Structural, and Optical Properties of ZnSe Nanocrystalline Thin Films. *Journal of Electronic Materials*, **2013**, 42, 684-691	1.9	3
17	Growth of TiO2 nanowire bundle arrays and their application in dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 542-547	2.1	3

16	Large-area ReS2 monolayer films on flexible substrate for SERS based molecular sensing with strong fluorescence quenching. *Applied Surface Science*, **2021**, 542, 148757	6.7	3
15	Non-Layered Te/In S Tunneling Heterojunctions with Ultrahigh Photoresponsivity and Fast Photoresponse.. *Small*, **2022**, e2200445	11	3
14	The characteristics of Ta2O5 films deposited by radio frequency pure oxygen ion assisted deposition (RFOIAD) technology. *Journal of Applied Physics*, **2017**, 121, 065302	2.5	2
13	Growth of nanosheet array and nanosheet microsphere CuInS2 thin films on transparent conducting substrates. *Electronic Materials Letters*, **2014**, 10, 1075-1079	2.9	2
12	High-quality two-dimensional tellurium flakes grown by high-temperature vapor deposition. *Journal of Materials Chemistry C*,	7.1	2
11	An artificial optoelectronic nociceptor based on In2S3 memristor. *Journal Physics D: Applied Physics*, **2022**, 55, 125401	3	2
10	Effect of solution concentration on the properties of Cu2ZnSnS4 nanocrystalline thin films prepared by microwave irradiation. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 3407-3414	2.1	1
9	Effect of Cs+ Fraction on Photovoltaic Performance of Perovskite Solar Cells Based on CsxMA1−xPbI3 Absorption Layers. *Journal of Electronic Materials*, **2020**, 49, 7044-7053	1.9	1
8	Controlling the morphology of ultrathin MoS2/MoO2 nanosheets grown by chemical vapor deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2018**, 36, 05G509	2.9	1
7	Effects of mixed solvent on morphology of CH3NH3PbI3 absorption layers and photovoltaic performance of perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 18868-18877	2.1	1
6	Layer-dependent electrical transport property of two-dimensional ReS2 thin films. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 24342-24350	2.1	1
5	Electrocatalytic performance of ReS2 nanosheets in hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2021**, 47, 2293-2293	6.7	0
4	Anchoring CoS on three-dimensional porous rGO thin films as efficient counter electrodes for dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 22546-22553	2.1	
3	Dye-Sensitized Solar Cells Based on the Composites Photoanodes of ZnO Microrods/TiO2 Nanoparticles. *Integrated Ferroelectrics*, **2011**, 127, 157-163	0.8	
2	Study of MAPb(I1−xBrx)3 thin film and perovskite solar cells based on hole transport material-free and carbon electrode. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 2654	2.1	
1	Effect of FA+ Fraction and Dipping Time on Performance of FAxMA1−xPbI3 Films and Perovskite Solar Cells. *Journal of Electronic Materials*, **2020**, 49, 7054-7064	1.9	