Xiaoqin Yan

List of Publications by Year
in descending order

22	1,296	361413 20	677142 22
papers	citations	h-index	g-index

22	22	22	2616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gradient Annealing of Halide Perovskite Films for Improved Performance of Solar Cells. ACS Applied Energy Materials, 2020, 3, 8130-8134.	5.1	6
2	Scalable Production of Two-Dimensional Metallic Transition Metal Dichalcogenide Nanosheet Powders Using NaCl Templates toward Electrocatalytic Applications. Journal of the American Chemical Society, 2019, 141, 18694-18703.	13.7	56
3	A potassium thiocyanate additive for hysteresis elimination in highly efficient perovskite solar cells. Inorganic Chemistry Frontiers, 2019, 6, 434-442.	6.0	39
4	Vertical 1Tâ€TaS₂ Synthesis on Nanoporous Gold for Highâ€Performance Electrocatalytic Applications. Advanced Materials, 2018, 30, e1705916.	21.0	75
5	Efficient Yttrium(III) Chlorideâ€Treated TiO₂ Electron Transfer Layers for Performanceâ€Improved and Hysteresisâ€Less Perovskite Solar Cells. ChemSusChem, 2018, 11, 171-177.	6.8	36
6	Hydrophobic Polystyrene Passivation Layer for Simultaneously Improved Efficiency and Stability in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 18787-18795.	8.0	107
7	Enhanced Efficiency and Stability of Perovskite Solar Cells via Anti-Solvent Treatment in Two-Step Deposition Method. ACS Applied Materials & Interfaces, 2017, 9, 7224-7231.	8.0	97
8	A facile method for the preparation of three-dimensional CNT sponge and a nanoscale engineering design for high performance fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 22559-22567.	10.3	37
9	Bioinspired Tribotronic Resistive Switching Memory for Self-Powered Memorizing Mechanical Stimuli. ACS Applied Materials & Interfaces, 2017, 9, 43822-43829.	8.0	42
10	Effect of carrier screening on ZnO-based resistive switching memory devices. Nano Research, 2017, 10, 77-86.	10.4	23
11	High carrier concentration ZnO nanowire arrays for binder-free conductive support of supercapacitors electrodes by Al doping. Journal of Colloid and Interface Science, 2016, 484, 155-161.	9.4	26
12	Fiber-shaped asymmetric supercapacitors with ultrahigh energy density for flexible/wearable energy storage. Journal of Materials Chemistry A, 2016, 4, 17704-17710.	10.3	69
13	Synergistic Effect of Surface Plasmonic particles and Surface Passivation layer on ZnO Nanorods Array for Improved Photoelectrochemical Water Splitting. Scientific Reports, 2016, 6, 29907.	3.3	68
14	Reduced Graphene Oxide Functionalized with Cobalt Ferrite Nanocomposites for Enhanced Efficient and Lightweight Electromagnetic Wave Absorption. Scientific Reports, 2016, 6, 32381.	3.3	52
15	Band alignment engineering for high-energy-density solid-state asymmetric supercapacitors with TiO₂ insertion at the ZnO/Ni(OH)₂ interface. Journal of Materials Chemistry A, 2016, 4, 17981-17987.	10.3	25
16	Improved Photoresponse Performance of Self-Powered ZnO/Spiro-MeOTAD Heterojunction Ultraviolet Photodetector by Piezo-Phototronic Effect. ACS Applied Materials & Interfaces, 2016, 8, 6137-6143.	8.0	92
17	Influence of carrier concentration on the resistive switching characteristics of a ZnO-based memristor. Nano Research, 2016, 9, 1116-1124.	10.4	35
18	Temperature-dependent electrochemical capacitive performance of the Î±-Fe2O3 hollow nanoshuttles as supercapacitor electrodes. Journal of Colloid and Interface Science, 2016, 466, 291-296.	9.4	94

#	Article	IF	Citations
19	A self-powered ultraviolet photodetector based on solution-processed p-NiO/n-ZnO nanorod array heterojunction. RSC Advances, 2015, 5, 5976-5981.	3.6	97
20	Design of sandwich-structured ZnO/ZnS/Au photoanode for enhanced efficiency of photoelectrochemical water splitting. Nano Research, 2015, 8, 2891-2900.	10.4	104
21	High Onâ€“Off Ratio Improvement of ZnO-Based Forming-Free Memristor by Surface Hydrogen Annealing. ACS Applied Materials & Interfaces, 2015, 7, 7382-7388.	8.0	102
22	Tunable channel width of a UV-gate field effect transistor based on ZnO micro-nano wire. RSC Advances, 2014, 4, 18378.	3.6	14