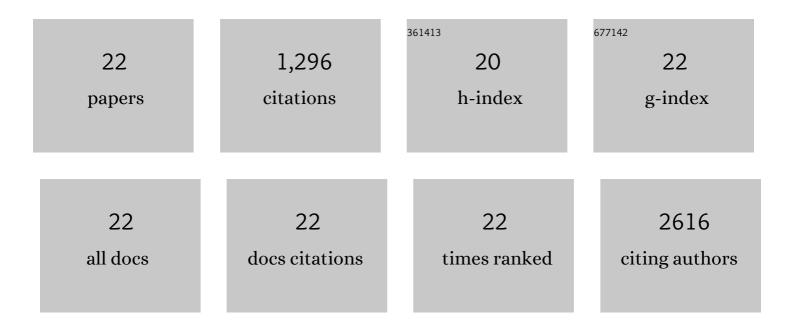
Xiaoqin Yan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Design of sandwich-structured ZnO/ZnS/Au photoanode for enhanced efficiency of photoelectrochemical water splitting. Nano Research, 2015, 8, 2891-2900.	10.4	104
3	High On–Off Ratio Improvement of ZnO-Based Forming-Free Memristor by Surface Hydrogen Annealing. ACS Applied Materials & Interfaces, 2015, 7, 7382-7388.	8.0	102
4	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
5	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
6	Temperature-dependent electrochemical capacitive performance of the α-Fe2O3 hollow nanoshuttles as supercapacitor electrodes. Journal of Colloid and Interface Science, 2016, 466, 291-296.	9.4	94
7	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
8	Vertical 1Tâ€TaS ₂ Synthesis on Nanoporous Gold for Highâ€Performance Electrocatalytic Applications. Advanced Materials, 2018, 30, e1705916.	21.0	75
9	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
10	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
11	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
12	Reduced Graphene Oxide Functionalized with Cobalt Ferrite Nanocomposites for Enhanced Efficient and Lightweight Electromagnetic Wave Absorption. Scientific Reports, 2016, 6, 32381.	3.3	52
13	Bioinspired Tribotronic Resistive Switching Memory for Self-Powered Memorizing Mechanical Stimuli. ACS Applied Materials & Interfaces, 2017, 9, 43822-43829.	8.0	42
14	A potassium thiocyanate additive for hysteresis elimination in highly efficient perovskite solar cells. Inorganic Chemistry Frontiers, 2019, 6, 434-442.	6.0	39
15	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
16	Efficient Yttrium(III) Chlorideâ€Treated TiO ₂ Electron Transfer Layers for Performanceâ€Improved and Hysteresisâ€Less Perovskite Solar Cells. ChemSusChem, 2018, 11, 171-177.	6.8	36
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	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

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#	Article	IF	CITATIONS
19	Band alignment engineering for high-energy-density solid-state asymmetric supercapacitors with TiO ₂ insertion at the ZnO/Ni(OH) ₂ interface. Journal of Materials Chemistry A, 2016, 4, 17981-17987.	10.3	25
20	Effect of carrier screening on ZnO-based resistive switching memory devices. Nano Research, 2017, 10, 77-86.	10.4	23
21	Tunable channel width of a UV-gate field effect transistor based on ZnO micro-nano wire. RSC Advances, 2014, 4, 18378.	3.6	14
22	Gradient Annealing of Halide Perovskite Films for Improved Performance of Solar Cells. ACS Applied Energy Materials, 2020, 3, 8130-8134.	5.1	6