

Tingting Xu

List of Publications by Year in descending order

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46
papers

1,452
citations

394421

19
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated polymer-organic semiconductor hybrid solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 2700.	30.8	278
2	Strategic improvement of the long-term stability of perovskite materials and perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27026-27050.	2.8	134
3	Phenylhydrazinium Iodide for Surface Passivation and Defects Suppression in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2000778.	14.9	103
4	Investigation on structures, band gaps, and electronic structures of lead free La ₂ NiMnO ₆ double perovskite materials for potential application of solar cell. <i>Journal of Alloys and Compounds</i> , 2016, 655, 208-214.	5.5	100
5	Facile synthesis, photoluminescence properties and microwave absorption enhancement of porous and hollow ZnO spheres. <i>Powder Technology</i> , 2015, 281, 20-27.	4.2	70
6	High-Performance Organic Solar Cells with Broadband Absorption Enhancement and Reliable Reproducibility Enabled by Collective Plasmonic Effects. <i>Advanced Optical Materials</i> , 2015, 3, 1220-1231.	7.3	66
7	Recent progress of silicon composites as anode materials for secondary batteries. <i>RSC Advances</i> , 2016, 6, 87778-87790.	3.6	61
8	Transparent MoS ₂ /PEDOT Composite Counter Electrodes for Bifacial Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2020, 5, 8687-8696.	3.5	60
9	Synthesis of Single-Component Metal Oxides with Controllable Multi-Shelled Structure and their Morphology-Related Applications. <i>Chemical Record</i> , 2020, 20, 102-119.	5.8	52
10	Novel hierarchically porous Ti-MOFs/nitrogen-doped graphene nanocomposite served as high efficient oxygen reduction reaction catalyst for fuel cells application. <i>Electrochimica Acta</i> , 2019, 297, 805-813.	5.2	49
11	Ternary system of ZnO nanorods/reduced graphene oxide/CuInS ₂ quantum dots for enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2018, 734, 196-203.	5.5	48
12	Easy hydrothermal synthesis of multi-shelled La ₂ O ₃ hollow spheres for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1232-1237.	2.2	44
13	Efficient and Stable Carbon-Based Perovskite Solar Cells via Passivation by a Multifunctional Hydrophobic Molecule with Bidentate Anchors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16485-16497.	8.0	30
14	Pyridine Derivatives TM Surface Passivation Enables Efficient and Stable Carbon-Based Perovskite Solar Cells. , 2022, 4, 1101-1111.		30
15	Novel hexagonal Bi ₂ O ₂ CO ₃ porous nanoplate/nitrogen-doped graphene nanomaterials with enhanced electrochemical properties for oxygen reduction reaction in acidic media for fuel cells. <i>Carbon</i> , 2019, 152, 459-473.	10.3	29
16	Carbon quantum dot additive engineering for efficient and stable carbon-based perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157784.	5.5	29
17	Exciton migration and charge transfer in chemically linked P3HT-TiO ₂ nanorod composite. <i>RSC Advances</i> , 2012, 2, 854-862.	3.6	25
18	Highly Efficient Oxygen Reduction Reaction Catalyst Derived from Fe/Ni Mixed-Metal-Organic Frameworks for Application of Fuel Cell Cathode. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10224-10237.	3.7	25

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19	Gadolinium-incorporated CsPbI ₂ Br for boosting efficiency and long-term stability of all-inorganic perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 70, 9-17.	12.9	22
20	Study of polymer/ZnO nanostructure interfaces by Kelvin probe force microscopy. <i>Solar Energy Materials and Solar Cells</i> , 2013, 108, 246-251.	6.2	20
21	Environmental effects on the ionic conductivity of poly(methyl methacrylate) (PMMA)-based quasi-solid-state electrolyte. <i>Ionics</i> , 2018, 24, 2621-2629.	2.4	19
22	Dual core-shell structured g-C ₃ N ₄ @Fe/Sr@g-C ₃ N ₄ porous nanosphere as high efficient oxygen reduction reaction electrocatalyst in both acidic and alkaline media for fuel cells. <i>Electrochimica Acta</i> , 2019, 322, 134745.	5.2	17
23	Self-Polymerized Dopamine Nanoparticles Modified Separators for Improving Electrochemical Performance and Enhancing Mechanical Strength of Lithium-Ion Batteries. <i>Polymers</i> , 2020, 12, 648.	4.5	14
24	Self-assembled thienylsilane molecule as interfacial layer for ZnO nanowire/polymer hybrid system. <i>Journal of Photonics for Energy</i> , 2011, 1, 011107.	1.3	13
25	Carbon Quantum Dot-Passivated Perovskite/Carbon Electrodes for Stable Solar Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 13339-13351.	5.0	13
26	Study on 3D printed graphene/carbon fiber multi-scale reinforced PLA composites. <i>Materials Letters</i> , 2021, 300, 130173.	2.6	12
27	Superior Cu ₂ S/brass-mesh electrode in CdS quantum dot sensitized solar cells for dual-side illumination. <i>Materials Letters</i> , 2017, 195, 100-103.	2.6	9
28	Solid-state synthesis of ZnO nanorods coupled with reduced graphene oxide for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4888-4894.	2.2	9
29	Improved Performance of Carbon Electrode Perovskite Solar Cells Using Urea Treatment in Two-Step Processing. <i>ChemNanoMat</i> , 2020, 6, 806-815.	2.8	9
30	Synthesis of borosilazane as UV-curable borazine-type single source precursor for SiBCN ceramic materials. <i>Ceramics International</i> , 2015, 41, 10448-10455.	4.8	8
31	Synthesis and Characterization of a Novel Borazine-Type UV Photo-Induced Polymerization of Ceramic Precursors. <i>Molecules</i> , 2016, 21, 801.	3.8	8
32	Hollow dual core-shell nanocomposite of nitrogen-doped Carbon@Bi ₂ SiO ₂ @Nitrogen-doped graphene as high efficiency catalyst for fuel cell. <i>Electrochimica Acta</i> , 2019, 323, 134824.	5.2	8
33	Enhanced catalytic property of transparent PEDOT counter electrodes for bifacial dye sensitized solar cells. <i>Materials Today Communications</i> , 2020, 25, 101313.	1.9	8
34	Octahedron shaped lead sulfide nanocrystals as counter electrodes for quantum dot sensitized solar cells. <i>Functional Materials Letters</i> , 2018, 11, 1850025.	1.2	7
35	Effect of antisolvent treatment on PbI ₂ films for high performance carbon-based perovskite solar cells. <i>Materials Letters</i> , 2020, 275, 128157.	2.6	7
36	Direct growth of CdSe nanorods on ITO substrates by co-anchoring of ZnO nanoparticles and ethylenediamine. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	4

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37	Synthesis of Silicon Molecular Precursor Chlorosilyl Dichloroboryl Ethane (CSDE) through Experiment Optimization. Chemistry Letters, 2015, 44, 70-72.	1.3	3
38	Cation Engineering for Effective Defect Passivation to Improve Efficiency and Stability of FA0.5MA0.5PbI3 Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 7654-7660.	5.1	3
39	Borazine-type single source precursor with vinyl to SiBCN ceramic. Journal of the Ceramic Society of Japan, 2018, 126, 253-259.	1.1	2
40	A bifunctional modifier endowing epoxy resin with outstanding flame retardancy and high impact strength. Journal of Applied Polymer Science, 2021, 138, 50886.	2.6	2
41	The structure and photovoltaic property relationship of porphyrins for high efficiency solar cells. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	1
42	Bulk p-i-n heterojunction solar cells made from hyperbranched phthalocyanine polymers. , 2010, , .		1
43	In-situ polymerized poly(3-hexylthiophene) and TiO ₂ nanocomposites for organic solar cells. , 2010, , .		0
44	Organic Photovoltaics: Basic Concepts and Device Physics. , 2015, , 1-17.		0
45	Organic Photovoltaics: Basic Concepts and Device Physics. , 2016, , 3119-3134.		0
46	A novel phosphorus compound acting as a substitute of <sc>DOPO</sc> for flame retard of epoxy resin. Journal of Applied Polymer Science, 2022, 139, .	2.6	0