Tingting Xu

List of Publications by Year in descending order

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	Gadolinium-incorporated CsPbI2Br for boosting efficiency and long-term stability of all-inorganic perovskite solar cells. Journal of Energy Chemistry, 2022, 70, 9-17.	12.9	22
2	A novel phosphorus compound acting as a substitute of <scp>DOPO</scp> for flame retard of epoxy resin. Journal of Applied Polymer Science, 2022, 139, .	2.6	0
3	Pyridine Derivativesâ€™ Surface Passivation Enables Efficient and Stable Carbon-Based Perovskite Solar Cells. , 2022, 4, 1101-1111.		30
4	Carbon quantum dot additive engineering for efficient and stable carbon-based perovskite solar cells. Journal of Alloys and Compounds, 2021, 859, 157784.	5.5	29
5	Efficient and Stable Carbon-Based Perovskite Solar Cells via Passivation by a Multifunctional Hydrophobic Molecule with Bidentate Anchors. ACS Applied Materials & Interfaces, 2021, 13, 16485-16497.	8.0	30
6	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
7	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
8	Study on 3D printed graphene/carbon fiber multi-scale reinforced PLA composites. Materials Letters, 2021, 300, 130173.	2.6	12
9	Carbon Quantum Dot-Passivated Perovskite/Carbon Electrodes for Stable Solar Cells. ACS Applied Nano Materials, 2021, 4, 13339-13351.	5.0	13
10	Synthesis of Singleâ€Component Metal Oxides with Controllable Multiâ€Shelled Structure and their Morphologyâ€Related Applications. Chemical Record, 2020, 20, 102-119.	5.8	52
11	Improved Performance of Carbon Electrode Perovskite Solar Cells Using Urea Treatment in Twoâ€Step Processing. ChemNanoMat, 2020, 6, 806-815.	2.8	9
12	Enhanced catalytic property of transparent PEDOT counter electrodes for bifacial dye sensitized solar cells. Materials Today Communications, 2020, 25, 101313.	1.9	8
13	Effect of antisolvent treatment on PbI2 films for high performance carbon-based perovskite solar cells. Materials Letters, 2020, 275, 128157.	2.6	7
14	Self-Polymerized Dopamine Nanoparticles Modified Separators for Improving Electrochemical Performance and Enhancing Mechanical Strength of Lithium-Ion Batteries. Polymers, 2020, 12, 648.	4.5	14
15	Phenylhydrazinium Iodide for Surface Passivation and Defects Suppression in Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2000778.	14.9	103
16	Transparent MoS₂/PEDOT Composite Counter Electrodes for Bifacial Dye-Sensitized Solar Cells. ACS Omega, 2020, 5, 8687-8696.	3.5	60
17	Dual core-shell structured g-C3N4@Fe/Sr@g-C3N4 porous nanosphere as high efficient oxygen reduction reaction electrocatalyst in both acidic and alkaline media for fuel cells. Electrochimica Acta, 2019, 322, 134745.	5.2	17
18	Hollow dual core-shell nanocomposite of nitrogen-doped Carbon@Bi12SiO20@Nitrogen-doped graphene as high efficiency catalyst for fuel cell. Electrochimica Acta, 2019, 323, 134824.	5.2	8

#	Article	IF	Citations
19	Novel hexagonal Bi2O2CO3 porous nanoplate/nitrogen-doped graphene nanomaterials with enhanced electrochemical properties for oxygen reduction reaction in acidic media for fuel cells. Carbon, 2019, 152, 459-473.	10.3	29
20	Highly Efficient Oxygen Reduction Reaction Catalyst Derived from Fe/Ni Mixed-Metalâ€“Organic Frameworks for Application of Fuel Cell Cathode. Industrial & Engineering Chemistry Research, 2019, 58, 10224-10237.	3.7	25
21	Novel hierarchically porous Ti-MOFs/nitrogen-doped graphene nanocomposite served as high efficient oxygen reduction reaction catalyst for fuel cells application. Electrochimica Acta, 2019, 297, 805-813.	5.2	49
22	Solid-state synthesis of ZnO nanorods coupled with reduced graphene oxide for photocatalytic application. Journal of Materials Science: Materials in Electronics, 2018, 29, 4888-4894.	2.2	9
23	Environmental effects on the ionic conductivity of poly(methyl methacrylate) (PMMA)-based quasi-solid-state electrolyte. Ionics, 2018, 24, 2621-2629.	2.4	19
24	Borazine-type single source precursor with vinyl to SiBCN ceramic. Journal of the Ceramic Society of Japan, 2018, 126, 253-259.	1.1	2
25	Octahedron shaped lead sulfide nanocrystals as counter electrodes for quantum dot sensitized solar cells. Functional Materials Letters, 2018, 11, 1850025.	1.2	7
26	Ternary system of ZnO nanorods/reduced graphene oxide/CuInS2 quantum dots for enhanced photocatalytic performance. Journal of Alloys and Compounds, 2018, 734, 196-203.	5.5	48
27	Easy hydrothermal synthesis of multi-shelled La2O3 hollow spheres for lithium-ion batteries. Journal of Materials Science: Materials in Electronics, 2018, 29, 1232-1237.	2.2	44
28	Superior Cu 2 S/brass-mesh electrode in CdS quantum dot sensitized solar cells for dual-side illumination. Materials Letters, 2017, 195, 100-103.	2.6	9
29	Synthesis and Characterization of a Novel Borazine-Type UV Photo-Induced Polymerization of Ceramic Precursors. Molecules, 2016, 21, 801.	3.8	8
30	Recent progress of silicon composites as anode materials for secondary batteries. RSC Advances, 2016, 6, 87778-87790.	3.6	61
31	Strategic improvement of the long-term stability of perovskite materials and perovskite solar cells. Physical Chemistry Chemical Physics, 2016, 18, 27026-27050.	2.8	134
32	Investigation on structures, band gaps, and electronic structures of lead free La2NiMnO6 double perovskite materials for potential application of solar cell. Journal of Alloys and Compounds, 2016, 655, 208-214.	5.5	100
33	Organic Photovoltaics: Basic Concepts and Device Physics. , 2016, , 3119-3134.		0
34	Synthesis of Silicon Molecular Precursor Chlorosilyl Dichloroboryl Ethane (CSDE) through Experiment Optimization. Chemistry Letters, 2015, 44, 70-72.	1.3	3
35	Synthesis of borosilazane as UV-curable borazine-type single source precursor for SiBCN ceramic materials. Ceramics International, 2015, 41, 10448-10455.	4.8	8
36	Facile synthesis, photoluminescence properties and microwave absorption enhancement of porous and hollow ZnO spheres. Powder Technology, 2015, 281, 20-27.	4.2	70

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37	Highâ€Performance Organic Solar Cells with Broadband Absorption Enhancement and Reliable Reproducibility Enabled by Collective Plasmonic Effects. Advanced Optical Materials, 2015, 3, 1220-1231.	7.3	66
38	Organic Photovoltaics: Basic Concepts and Device Physics. , 2015, , 1-17.		0
39	Study of polymer/ZnO nanostructure interfaces by Kelvin probe force microscopy. Solar Energy Materials and Solar Cells, 2013, 108, 246-251.	6.2	20
40	Direct growth of CdSe nanorods on ITO substrates by co-anchoring of ZnO nanoparticles and ethylenediamine. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	4
41	Exciton migration and charge transfer in chemically linked P3HTâ€“TiO₂nanorod composite. RSC Advances, 2012, 2, 854-862.	3.6	25
42	Conjugated polymerâ€“inorganic semiconductor hybrid solar cells. Energy and Environmental Science, 2011, 4, 2700.	30.8	278
43	Self-assembled thienylsilane molecule as interfacial layer forÂZnO nanowire/polymer hybrid system. Journal of Photonics for Energy, 2011, 1, 011107.	1.3	13
44	Bulk p-i-n heterojunction solar cells made from hyperbranched phthalocyanine polymers. , 2010, , .		1
45	In-situ polymerized poly(3-hexylthiophene) and TiO<inf>2</inf> nanocomposites for organic solar cells. , 2010, , .		0
46	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