Fan Xu

List of Publications by Year
in descending order

20 papers	288 citations	1039406 9 h-index	887659 17 g-index
20 all docs	20 docs citations	20 times ranked	270 citing authors

#	Article	IF	Citations
1	Dual-Layered Interfacial Evolution of Lithium Metal Anode: SEI Analysis via TOF-SIMS Technology. ACS Applied Materials & Interfaces, 2022, 14, 20197-20207.	4.0	18
2	Multi-dimensional characterizations of washing durable ZnO/phosphazene-siloxane coated fabrics via ToF-SIMS and XPS. Polymer Testing, 2022, 114, 107684.	2.3	7
3	Aglâ€“KI aerosol catalysts with excellent combustion and nucleation performance for weather modification. Environmental Science Atmospheres, 2021, 1, 518-523.	0.9	2
4	Silver iodide free aerosol catalyst with high deicing efficiency for weather modifications. AIP Advances, 2021, 11, 025045.	0.6	3
5	1D Perovskitoid as Absorbing Material for Stable Solar Cells. Crystals, 2021, 11, 241.	1.0	16
6	Moisture-Stable FAPbI₃ Perovskite Achieved by Atomic Structure Negotiation. Journal of Physical Chemistry Letters, 2021, 12, 5332-5338.	2.1	14
7	Binding Strength and Hydrogen Bond Numbers between COVID-19 RBD and HVR of Antibody. Crystals, 2021, 11, 997.	1.0	0
8	Component distribution of nano-carbon materials assisted by Time of Flight-Secondary Ion Mass Spectrometer. Journal of Physics: Conference Series, 2021, 2011, 012071.	0.3	3
9	Probing Surface Information of Alloy by Time of Flight-Secondary Ion Mass Spectrometer. Crystals, 2021, 11, 1465.	1.0	7
10	Hysteresis and Instability Predicted in Moisture Degradation of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 48882-48889.	4.0	23
11	Recent Progress in Developing Monolithic Perovskite/Si Tandem Solar Cells. Frontiers in Chemistry, 2020, 8, 603375.	1.8	22
12	Ethylammonium Lead Iodide Formation in MAPbI3 Precursor Solutions by DMF Decomposition and Organic Cation Exchange Reaction. Crystals, 2020, 10, 162.	1.0	4
13	Improving Linear Range Limitation of Non-Enzymatic Glucose Sensor by OHâ¯ Concentration. Crystals, 2020, 10, 186.	1.0	8
14	Achieving Nonenzymatic Blood Glucose Sensing by Uprooting Saturation. Analytical Chemistry, 2020, 92, 10777-10782.	3.2	6
15	Magnetic-field-induced energy bandgap reduction of perovskite KMnF₃. Journal of Materials Chemistry C, 2020, 8, 4164-4168.	2.7	9
16	Promoting Thermodynamic and Kinetic Stabilities of FA-based Perovskite by an in Situ Bilayer Structure. Nano Letters, 2020, 20, 3864-3871.	4.5	49
17	An Environmentally Stable Organicâ€“Inorganic Hybrid Perovskite Containing Py Cation with Low Trap-State Density. Crystals, 2020, 10, 272.	1.0	7
18	Pyrrolidinium containing perovskites with thermal stability and water resistance for photovoltaics. Journal of Materials Chemistry C, 2019, 7, 11104-11108.	2.7	19

#	Article	IF	Citations
19	Reversing Organicâ€“Inorganic Hybrid Perovskite Degradation in Water via pH and Hydrogen Bonds. Journal of Physical Chemistry Letters, 2019, 10, 7245-7250.	2.1	34
20	Pyrrolidinium lead iodide from crystallography: a new perovskite with low bandgap and good water resistance. Chemical Communications, 2019, 55, 3251-3253.	2.2	37