

Fan Xu

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Promoting Thermodynamic and Kinetic Stabilities of FA-based Perovskite by an in Situ Bilayer Structure. <i>Nano Letters</i> , 2020, 20, 3864-3871.	4.5	49
2	Pyrrolidinium lead iodide from crystallography: a new perovskite with low bandgap and good water resistance. <i>Chemical Communications</i> , 2019, 55, 3251-3253.	2.2	37
3	Reversing Organic-Inorganic Hybrid Perovskite Degradation in Water via pH and Hydrogen Bonds. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7245-7250.	2.1	34
4	Hysteresis and Instability Predicted in Moisture Degradation of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48882-48889.	4.0	23
5	Recent Progress in Developing Monolithic Perovskite/Si Tandem Solar Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 603375.	1.8	22
6	Pyrrolidinium containing perovskites with thermal stability and water resistance for photovoltaics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11104-11108.	2.7	19
7	Dual-Layered Interfacial Evolution of Lithium Metal Anode: SEI Analysis via TOF-SIMS Technology. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20197-20207.	4.0	18
8	1D Perovskitoid as Absorbing Material for Stable Solar Cells. <i>Crystals</i> , 2021, 11, 241.	1.0	16
9	Moisture-Stable FAPbI ₃ Perovskite Achieved by Atomic Structure Negotiation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5332-5338.	2.1	14
10	Magnetic-field-induced energy bandgap reduction of perovskite KMnF ₃ . <i>Journal of Materials Chemistry C</i> , 2020, 8, 4164-4168.	2.7	9
11	Improving Linear Range Limitation of Non-Enzymatic Glucose Sensor by OH ⁻ Concentration. <i>Crystals</i> , 2020, 10, 186.	1.0	8
12	An Environmentally Stable Organic-Inorganic Hybrid Perovskite Containing Py Cation with Low Trap-State Density. <i>Crystals</i> , 2020, 10, 272.	1.0	7
13	Probing Surface Information of Alloy by Time of Flight-Secondary Ion Mass Spectrometer. <i>Crystals</i> , 2021, 11, 1465.	1.0	7
14	Multi-dimensional characterizations of washing durable ZnO/phosphazene-siloxane coated fabrics via ToF-SIMS and XPS. <i>Polymer Testing</i> , 2022, 114, 107684.	2.3	7
15	Achieving Nonenzymatic Blood Glucose Sensing by Uprooting Saturation. <i>Analytical Chemistry</i> , 2020, 92, 10777-10782.	3.2	6
16	Ethylammonium Lead Iodide Formation in MAPbI ₃ Precursor Solutions by DMF Decomposition and Organic Cation Exchange Reaction. <i>Crystals</i> , 2020, 10, 162.	1.0	4
17	Silver iodide free aerosol catalyst with high deicing efficiency for weather modifications. <i>AIP Advances</i> , 2021, 11, 025045.	0.6	3
18	Component distribution of nano-carbon materials assisted by Time of Flight-Secondary Ion Mass Spectrometer. <i>Journal of Physics: Conference Series</i> , 2021, 2011, 012071.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Agla€KI aerosol catalysts with excellent combustion and nucleation performance for weather modification. Environmental Science Atmospheres, 2021, 1, 518-523.	0.9	2
20	Binding Strength and Hydrogen Bond Numbers between COVID-19 RBD and HVR of Antibody. Crystals, 2021, 11, 997.	1.0	0