

Xiaotong Li

List of Publications by Year in descending order

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394421

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#	ARTICLE	IF	CITATIONS
1	Expanding the Cage of 2D Bromide Perovskites by Large A-Site Cations. <i>Chemistry of Materials</i> , 2022, 34, 1132-1142.	6.7	22
2	Film formation mechanisms in mixed-dimensional 2D/3D halide perovskite films revealed by in situ grazing-incidence wide-angle X-ray scattering. <i>CheM</i> , 2022, 8, 1067-1082.	11.7	16
3	Centimeter-Sized 2D Perovskitoid Single Crystals for Efficient X-ray Photoresponsivity. <i>Chemistry of Materials</i> , 2022, 34, 1699-1709.	6.7	24
4	Tolerance Factor for Stabilizing 3D Hybrid Halide Perovskitoids Using Linear Diammonium Cations. <i>Journal of the American Chemical Society</i> , 2022, 144, 3902-3912.	13.7	36
5	Hybrid Layered Double Perovskite Halides of Transition Metals. <i>Journal of the American Chemical Society</i> , 2022, 144, 6661-6666.	13.7	23
6	Understanding Electron-Phonon Interactions in 3D Lead Halide Perovskites from the Stereochemical Expression of $6s^{2}$ Lone Pairs. <i>Journal of the American Chemical Society</i> , 2022, 144, 12247-12260.	13.7	38
7	Ordered Mixed-Spacer 2D Bromide Perovskites and the Dual Role of 1,2,4-Triazolium Cation. <i>Chemistry of Materials</i> , 2022, 34, 6541-6552.	6.7	5
8	The 2D Halide Perovskite Rulebook: How the Spacer Influences Everything from the Structure to Optoelectronic Device Efficiency. <i>Chemical Reviews</i> , 2021, 121, 2230-2291.	47.7	506
9	Signatures of Coherent Phonon Transport in Ultralow Thermal Conductivity Two-Dimensional Ruddlesden-Popper Phase Perovskites. <i>ACS Nano</i> , 2021, 15, 4165-4172.	14.6	21
10	Local Distortions and Metal-Semiconductor-Metal Transition in Quasi-One-Dimensional Nanowire Compounds $AV_3Q_3O_7$ (A = K, Rb, Cs and Q = Se, Te). <i>Chemistry of Materials</i> , 2021, 33, 2611-2623.	6.7	6
11	Bismuth/Silver-Based Two-Dimensional Iodide Double and One-Dimensional Bi Perovskites: Interplay between Structural and Electronic Dimensions. <i>Chemistry of Materials</i> , 2021, 33, 6206-6216.	6.7	27
12	<i>m</i> -Phenylenediammonium as a New Spacer for Dion-Jacobson Two-Dimensional Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 12063-12073.	13.7	71
13	Narrow-Bandgap Mixed Lead/Tin-Based 2D Dion-Jacobson Perovskites Boost the Performance of Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 15049-15057.	13.7	103
14	Incorporated Guanidinium Expands the $CH_3NH_3PbI_3$ Lattice and Enhances Photovoltaic Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43885-43891.	8.0	31
15	Negative Pressure Engineering with Large Cage Cations in 2D Halide Perovskites Causes Lattice Softening. <i>Journal of the American Chemical Society</i> , 2020, 142, 11486-11496.	13.7	84
16	Three-Dimensional Lead Iodide Perovskitoid Hybrids with High X-ray Photoresponse. <i>Journal of the American Chemical Society</i> , 2020, 142, 6625-6637.	13.7	82
17	An impedimetric immunosensor for determination of porcine epidemic diarrhea virus based on the nanocomposite consisting of molybdenum disulfide/reduced graphene oxide decorated with gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 217.	5.0	17
18	Cation Engineering in Two-Dimensional Ruddlesden-Popper Lead Iodide Perovskites with Mixed Large A-Site Cations in the Cages. <i>Journal of the American Chemical Society</i> , 2020, 142, 4008-4021.	13.7	101

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19	Direct Observation of Bandgap Oscillations Induced by Optical Phonons in Hybrid Lead Iodide Perovskites. <i>Advanced Functional Materials</i> , 2020, 30, 1907982.	14.9	15
20	Exploring the Factors Affecting the Mechanical Properties of 2D Hybrid Organic-Inorganic Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20440-20447.	8.0	47
21	Two-Dimensional Dion-Jacobson Hybrid Lead Iodide Perovskites with Aromatic Diammonium Cations. <i>Journal of the American Chemical Society</i> , 2019, 141, 12880-12890.	13.7	241
22	From 2D to 1D Electronic Dimensionality in Halide Perovskites with Stepped and Flat Layers Using Propylammonium as a Spacer. <i>Journal of the American Chemical Society</i> , 2019, 141, 10661-10676.	13.7	66
23	Ethylenediammonium-Based "Hollow" Pb/Sn Perovskites with Ideal Band Gap Yield Solar Cells with Higher Efficiency and Stability. <i>Journal of the American Chemical Society</i> , 2019, 141, 8627-8637.	13.7	93
24	Small Cyclic Diammonium Cation Templated (110)-Oriented 2D Halide (X = I, Br, Cl) Perovskites with White-Light Emission. <i>Chemistry of Materials</i> , 2019, 31, 3582-3590.	6.7	101
25	Indirect Electrochemical Determination of Ribavirin Using Boronic Acid-Diol Recognition on a 3-Aminophenylboronic Acid-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode (APBA/ERGO/GCE). <i>Analytical Letters</i> , 2019, 52, 1900-1913.	1.8	6
26	Plasmon-enhanced electrocatalytic hydrogen/oxygen evolution by Pt/Fe-Au nanorods. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7364-7369.	10.3	44
27	Two-Dimensional Halide Perovskites Incorporating Straight Chain Symmetric Diammonium Ions, (NH ₃ C _m H _{2m} NH ₃)(CH ₃ NH ₃) ₂ (m = 4, 9; n = 1, 4). <i>Journal of the American Chemical Society</i> , 2018, 140, 12226-12238.		
28	FeFe(CN) ₆ Nanocubes as a Bipolar Electrode Material in Aqueous Symmetric Sodium-Ion Batteries. <i>ChemPlusChem</i> , 2017, 82, 1170-1173.	2.8	24