Xiaotong Li

List of Publications by Year
in descending order

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28	2,034	394421	501196
papers	citations	19 h-index	28 g-index

28	28	28	2005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The 2D Halide Perovskite Rulebook: How the Spacer Influences Everything from the Structure to Optoelectronic Device Efficiency. Chemical Reviews, 2021, 121, 2230-2291.	47.7	506
2	Two-Dimensional Dionâ€“Jacobson Hybrid Lead Iodide Perovskites with Aromatic Diammonium Cations. Journal of the American Chemical Society, 2019, 141, 12880-12890.	13.7	241
3	Two-Dimensional Halide Perovskites Incorporating Straight Chain Symmetric Diammonium Ions, (NH₃C_mH_{2m}NH₃)(CH₃NH₃)_{n-1}Pb_nI_{3n+1} (m = 4â€“9; n = 1â€“4). Journal of the American Chemical Society, 2018, 140, 12226-12238.	13.7	184
4	Narrow-Bandgap Mixed Lead/Tin-Based 2D Dionâ€“Jacobson Perovskites Boost the Performance of Solar Cells. Journal of the American Chemical Society, 2020, 142, 15049-15057.	13.7	103
5	Small Cyclic Diammonium Cation Templated (110)-Oriented 2D Halide (X = I, Br, Cl) Perovskites with White-Light Emission. Chemistry of Materials, 2019, 31, 3582-3590.	6.7	101
6	Cation Engineering in Two-Dimensional Ruddlesdenâ€“Popper Lead Iodide Perovskites with Mixed Large A-Site Cations in the Cages. Journal of the American Chemical Society, 2020, 142, 4008-4021.	13.7	101
7	Ethylenediammonium-Based â€œHollowâ€•Pb/Sn Perovskites with Ideal Band Gap Yield Solar Cells with Higher Efficiency and Stability. Journal of the American Chemical Society, 2019, 141, 8627-8637.	13.7	93
8	Negative Pressure Engineering with Large Cage Cations in 2D Halide Perovskites Causes Lattice Softening. Journal of the American Chemical Society, 2020, 142, 11486-11496.	13.7	84
9	Three-Dimensional Lead Iodide Perovskitoid Hybrids with High X-ray Photoresponse. Journal of the American Chemical Society, 2020, 142, 6625-6637.	13.7	82
10	m-Phenylenediammonium as a New Spacer for Dionâ€“Jacobson Two-Dimensional Perovskites. Journal of the American Chemical Society, 2021, 143, 12063-12073.	13.7	71
11	From 2D to 1D Electronic Dimensionality in Halide Perovskites with Stepped and Flat Layers Using Propylammonium as a Spacer. Journal of the American Chemical Society, 2019, 141, 10661-10676.	13.7	66
12	Exploring the Factors Affecting the Mechanical Properties of 2D Hybrid Organicâ€“Inorganic Perovskites. ACS Applied Materials & Interfaces, 2020, 12, 20440-20447.	8.0	47
13	Plasmon-enhanced electrocatalytic hydrogen/oxygen evolution by Pt/Feâ€“Au nanorods. Journal of Materials Chemistry A, 2018, 6, 7364-7369.	10.3	44
14	Understanding Electronâ€“Phonon Interactions in 3D Lead Halide Perovskites from the Stereochemical Expression of 6s² Lone Pairs. Journal of the American Chemical Society, 2022, 144, 12247-12260.	13.7	38
15	Tolerance Factor for Stabilizing 3D Hybrid Halide Perovskitoids Using Linear Diammonium Cations. Journal of the American Chemical Society, 2022, 144, 3902-3912.	13.7	36
16	Incorporated Guanidinium Expands the CH₃NH₃PbI₃ Lattice and Enhances Photovoltaic Performance. ACS Applied Materials & Interfaces, 2020, 12, 43885-43891.	8.0	31
17	Bismuth/Silver-Based Two-Dimensional Iodide Double and One-Dimensional Bi Perovskites: Interplay between Structural and Electronic Dimensions. Chemistry of Materials, 2021, 33, 6206-6216.	6.7	27
18	FeFe(CN)₆ Nanocubes as a Bipolar Electrode Material in Aqueous Symmetric Sodiumâ€‘Ion Batteries. ChemPlusChem, 2017, 82, 1170-1173.	2.8	24

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19	Centimeter-Sized 2D Perovskitoid Single Crystals for Efficient X-ray Photoresponsivity. Chemistry of Materials, 2022, 34, 1699-1709.	6.7	24
20	Hybrid Layered Double Perovskite Halides of Transition Metals. Journal of the American Chemical Society, 2022, 144, 6661-6666.	13.7	23
21	Expanding the Cage of 2D Bromide Perovskites by Large A-Site Cations. Chemistry of Materials, 2022, 34, 1132-1142.	6.7	22
22	Signatures of Coherent Phonon Transport in Ultralow Thermal Conductivity Two-Dimensional Ruddlesdenâ€“Popper Phase Perovskites. ACS Nano, 2021, 15, 4165-4172.	14.6	21
23	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. Mikrochimica Acta, 2020, 187, 217.	5.0	17
24	Film formation mechanisms in mixed-dimensional 2D/3D halide perovskite films revealed by in situ grazing-incidence wide-angle X-ray scattering. CheM, 2022, 8, 1067-1082.	11.7	16
25	Direct Observation of Bandgap Oscillations Induced by Optical Phonons in Hybrid Lead Iodide Perovskites. Advanced Functional Materials, 2020, 30, 1907982.	14.9	15
26	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). Analytical Letters, 2019, 52, 1900-1913.	1.8	6
27	Local Distortions and Metalâ€“Semiconductorâ€“Metal Transition in Quasi-One-Dimensional Nanowire Compounds AV₃Q₃O_{Î´} (A = K, Rb, Cs and Q = Se, Te). Chemistry of Materials, 2021, 33, 2611-2623.	6.7	6
28	Ordered Mixed-Spacer 2D Bromide Perovskites and the Dual Role of 1,2,4-Triazolium Cation. Chemistry of Materials, 2022, 34, 6541-6552.	6.7	5