

Lingling Mao

List of Publications by Year in descending order

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papers

5,225
citations

279798

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414414

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33
docs citations

33
times ranked

4867
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Hybrid Halide Perovskites: Principles and Promises. <i>Journal of the American Chemical Society</i> , 2019, 141, 1171-1190.	13.7	999
2	Hybrid Dionâ€“Jacobson 2D Lead Iodide Perovskites. <i>Journal of the American Chemical Society</i> , 2018, 140, 3775-3783.	13.7	686
3	White-Light Emission and Structural Distortion in New Corrugated Two-Dimensional Lead Bromide Perovskites. <i>Journal of the American Chemical Society</i> , 2017, 139, 5210-5215.	13.7	536
4	Structural Diversity in White-Light-Emitting Hybrid Lead Bromide Perovskites. <i>Journal of the American Chemical Society</i> , 2018, 140, 13078-13088.	13.7	351
5	Tunable White-Light Emission in Single-Cation-Templated Three-Layered 2D Perovskites (CH ₃ CH ₂ NH ₃) ₄ Pb ₃ Br ₁₀ . <i>Journal of the American Chemical Society</i> , 2017, 139, 11956-11963.	13.7	349
6	Enhanced photovoltaic performance and stability with a new type of hollow 3D perovskite {en}FASnI ₃ . <i>Science Advances</i> , 2017, 3, e1701293.	10.3	325
7	Efficient Lead-Free Solar Cells Based on Hollow {en}MASnI ₃ Perovskites. <i>Journal of the American Chemical Society</i> , 2017, 139, 14800-14806.	13.7	230
8	Role of Organic Counterion in Lead- and Tin-Based Two-Dimensional Semiconducting Iodide Perovskites and Application in Planar Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 7781-7792.	6.7	228
9	Structureâ€“Band Gap Relationships in Hexagonal Polytypes and Low-Dimensional Structures of Hybrid Tin Iodide Perovskites. <i>Inorganic Chemistry</i> , 2017, 56, 56-73.	4.0	220
10	Compositional and Solvent Engineering in Dionâ€“Jacobson 2D Perovskites Boosts Solar Cell Efficiency and Stability. <i>Advanced Energy Materials</i> , 2019, 9, 1803384.	19.5	219
11	Design Principles for Enhancing Photoluminescence Quantum Yield in Hybrid Manganese Bromides. <i>Journal of the American Chemical Society</i> , 2020, 142, 13582-13589.	13.7	173
12	Chemical and Structural Diversity of Hybrid Layered Double Perovskite Halides. <i>Journal of the American Chemical Society</i> , 2019, 141, 19099-19109.	13.7	144
13	Narrow-Bandgap Mixed Lead/Tin-Based 2D Dionâ€“Jacobson Perovskites Boost the Performance of Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 15049-15057.	13.7	103
14	Seven-Layered 2D Hybrid Lead Iodide Perovskites. <i>CheM</i> , 2019, 5, 2593-2604.	11.7	79
15	Cross-plane coherent acoustic phonons in two-dimensional organic-inorganic hybrid perovskites. <i>Nature Communications</i> , 2018, 9, 2019.	12.8	71
16	Direct Detection of Circularly Polarized Light Using Chiral Copper Chlorideâ€“Carbon Nanotube Heterostructures. <i>ACS Nano</i> , 2021, 15, 7608-7617.	14.6	69
17	Air-Stable Direct Bandgap Perovskite Semiconductors: All-Inorganic Tin-Based Heteroleptic Halides A _x SnCl _y I _z (A = Cs, Rb). <i>Chemistry of Materials</i> , 2018, 30, 4847-4856.	6.7	65
18	Organic Cation Alloying on Intralayer A and Interlayer Aâ€™ sites in 2D Hybrid Dionâ€“Jacobson Lead Bromide Perovskites (Aâ€™)(A)Pb ₂ Br ₇ . <i>Journal of the American Chemical Society</i> , 2020, 142, 8342-8351.	13.7	64

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19	Hyperbolic Dispersion Arising from Anisotropic Excitons in Two-Dimensional Perovskites. <i>Physical Review Letters</i> , 2018, 121, 127401.	7.8	51
20	Structural Origin of Enhanced Circularly Polarized Luminescence in Hybrid Manganese Bromides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
21	Highly tunable properties in pressure-treated two-dimensional Dionâ€“Jacobson perovskites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16121-16126.	7.1	35
22	Layered Double Perovskites. <i>Annual Review of Materials Research</i> , 2021, 51, 351-380.	9.3	33
23	The Renaissance of Functional Hybrid Transition-Metal Halides. <i>Accounts of Materials Research</i> , 2022, 3, 439-448.	11.7	26
24	Tunable Perovskite-Derived Bismuth Halides: Cs ₃ Bi ₂ (Cl _{1-x} I _x) ₉ . <i>Inorganic Chemistry</i> , 2020, 59, 3387-3393.	4.0	23
25	Ligand Control of Structural Diversity in Luminescent Hybrid Copper(I) Iodides. <i>Chemistry of Materials</i> , 2022, 34, 3206-3216.	6.7	23
26	Hybrid Layered Double Perovskite Halides of Transition Metals. <i>Journal of the American Chemical Society</i> , 2022, 144, 6661-6666.	13.7	23
27	Structural Evolution of Layered Hybrid Lead Iodide Perovskites in Colloidal Dispersions. <i>ACS Nano</i> , 2020, 14, 11294-11308.	14.6	18
28	Growth-Controlled Broad Emission in Phase-Pure Two-Dimensional Hybrid Perovskite Films. <i>Chemistry of Materials</i> , 2021, 33, 7290-7300.	6.7	13
29	Structural Origin of Enhanced Circularly Polarized Luminescence in Hybrid Manganese Bromides. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	9
30	Tunable Luminescence in Hybrid Cu(I) and Ag(I) Iodides. <i>Inorganic Chemistry</i> , 2020, 59, 15487-15494.	4.0	8
31	A Oneâ€“Pot Strategy for the Synthesis of ²⁺ Substituted Rhodaâ€“and Iridaâ€“Carbonyl Complexes. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1777-1784.	4.9	8
32	Boosting the performance and stability of inverted perovskite solar cells by using a carbonyl derivative to modulate the cathode interface. <i>Materials Chemistry Frontiers</i> , 0, .	5.9	5
33	Enhancing and Extinguishing the Different Emission Features of 2D (EA _{1-x} I _x) ₄ Pb ₃ Br ₁₀ Perovskite Films. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	2