

# Haoran Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

9,814  
citations

159358

30  
h-index

243296

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

8301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation and morphology control enables multiple cases of high-efficiency polymer solar cells. <i>Nature Communications</i> , 2014, 5, 5293.	5.8	2,854
2	Efficient organic solar cells processed from hydrocarbon solvents. <i>Nature Energy</i> , 2016, 1, .	19.8	2,129
3	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018, 3, 54-62.	8.8	528
4	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018, 9, 586-593.	3.7	467
5	Terthiophene-Based Dâ€A Polymer with an Asymmetric Arrangement of Alkyl Chains That Enables Efficient Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 14149-14157.	6.6	386
6	High-efficiency non-fullerene organic solar cells enabled by a difluorobenzothiadiazole-based donor polymer combined with a properly matched small molecule acceptor. <i>Energy and Environmental Science</i> , 2015, 8, 520-525.	15.6	379
7	Low dimensional metal halide perovskites and hybrids. <i>Materials Science and Engineering Reports</i> , 2019, 137, 38-65.	14.8	300
8	A Zeroâ€Dimensional Organic Seesawâ€Shaped Tin Bromide with Highly Efficient Strongly Stokesâ€Shifted Deepâ€Red Emission. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1021-1024.	7.2	219
9	Rollâ€toâ€Roll Printed Largeâ€Area Allâ€Polymer Solar Cells with 5% Efficiency Based on a Low Crystallinity Conjugated Polymer Blend. <i>Advanced Energy Materials</i> , 2017, 7, 1602742.	10.2	214
10	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , 2018, 30, 2374-2378.	3.2	193
11	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 13181-13184.	6.6	183
12	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44579-44583.	4.0	174
13	Recent Advances in Luminescent Zeroâ€Dimensional Organic Metal Halide Hybrids. <i>Advanced Optical Materials</i> , 2021, 9, 2001766.	3.6	118
14	Green Emitting Single-Crystalline Bulk Assembly of Metal Halide Clusters with Near-Unity Photoluminescence Quantum Efficiency. <i>ACS Energy Letters</i> , 2019, 4, 1579-1583.	8.8	117
15	Reaching 90% Photoluminescence Quantum Yield in One-Dimensional Metal Halide $C_{4}N_{2}H_{14}PbBr_{4}$ by Pressure-Suppressed Nonradiative Loss. <i>Journal of the American Chemical Society</i> , 2020, 142, 16001-16006.	6.6	109
16	Manganese-Doped One-Dimensional Organic Lead Bromide Perovskites with Bright White Emissions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40446-40451.	4.0	101
17	Efficient non-fullerene polymer solar cells enabled by tetrahedron-shaped core based 3D-structure small-molecular electron acceptors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13632-13636.	5.2	100
18	Organicâ€inorganic metal halide hybrids beyond perovskites. <i>Materials Research Letters</i> , 2018, 6, 552-569.	4.1	97

#	ARTICLE	IF	CITATIONS
19	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission. , 2019, 1, 594-598.		92
20	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14120-14123.	7.2	89
21	Efficient Low-Bandgap Polymer Solar Cells with High Open-Circuit Voltage and Good Stability. <i>Advanced Energy Materials</i> , 2015, 5, 1501282.	10.2	76
22	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	3.7	76
23	0D and 2D: The Cases of Phenylethylammonium Tin Bromide Hybrids. <i>Chemistry of Materials</i> , 2020, 32, 4692-4698.	3.2	72
24	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. <i>Advanced Optical Materials</i> , 2019, 7, 1801474.	3.6	65
25	Bulk Assembly of Multicomponent Zero-Dimensional Metal Halides with Dual Emission. , 2020, 2, 376-380.		65
26	A Facile Method to Fine-Tune Polymer Aggregation Properties and Blend Morphology of Polymer Solar Cells Using Donor Polymers with Randomly Distributed Alkyl Chains. <i>Advanced Energy Materials</i> , 2018, 8, 1701895.	10.2	62
27	Platinum( <sup>II</sup> ) binuclear complexes: molecular structures, photophysical properties, and applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5910-5924.	2.7	59
28	A Zero-Dimensional Organic Seesaw-Shaped Tin Bromide with Highly Efficient Strongly Stokes-Shifted Deep-Red Emission. <i>Angewandte Chemie</i> , 2018, 130, 1033-1036.	1.6	58
29	Bulk Assemblies of Lead Bromide Trimer Clusters with Geometry-Dependent Photophysical Properties. <i>Chemistry of Materials</i> , 2020, 32, 374-380.	3.2	56
30	Facile Formation of 2D-to-3D Heterojunctions on Perovskite Thin Film Surfaces for Efficient Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1159-1168.	4.0	55
31	Hollow metal halide perovskite nanocrystals with efficient blue emissions. <i>Science Advances</i> , 2020, 6, eaaz5961.	4.7	54
32	Microwave Absorption of Organic Metal Halide Nanotubes. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901270.	1.9	32
33	One-Dimensional Organic-Metal Halide with Highly Efficient Warm White-Light Emission and Its Moisture-Induced Structural Transformation. <i>Chemistry of Materials</i> , 2021, 33, 5668-5674.	3.2	30
34	Thiazol-2-thiolate-Bridged Binuclear Platinum(II) Complexes with High Photoluminescence Quantum Efficiencies of up to Near Unity. <i>Inorganic Chemistry</i> , 2020, 59, 13109-13116.	1.9	29
35	Improved organic solar cell efficiency based on the regulation of an alkyl chain on chlorinated non-fullerene acceptors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2428-2434.	3.2	27
36	Ligand-Mediated Release of Halides for Color Tuning of Perovskite Nanocrystals with Enhanced Stability. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5836-5840.	2.1	26

#	ARTICLE	IF	CITATIONS
37	Advance and prospect of metal-organic frameworks for perovskite photovoltaic devices. <i>Organic Electronics</i> , 2022, 106, 106546.	1.4	24
38	An antimony based organic-inorganic hybrid coating material with high quantum efficiency and thermal quenching effect. <i>Chemical Communications</i> , 2021, 57, 1754-1757.	2.2	18
39	Direct Evidence of Exciton-Exciton Annihilation in Single-Crystalline Organic Metal Halide Nanotube Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2164-2169.	2.1	15
40	Selective, Stable Production of Ethylene Using a Pulsed Cu-Based Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19388-19396.	4.0	14
41	A Donor Polymer Based on a Difluorinated Pentathiophene Unit Enabling Enhanced Performance for Nonfullerene Organic Solar Cells. <i>Small Methods</i> , 2018, 2, 1700415.	4.6	13
42	Highly Emissive and Stable Organic-Perovskite Nanocomposite Thin Films with Phosphonium Passivation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5923-5928.	2.1	13
43	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie</i> , 2020, 132, 14224-14227.	1.6	12
44	Challenges and Opportunities for the Blue Perovskite Quantum Dot Light-Emitting Diodes. <i>Crystals</i> , 2022, 12, 929.	1.0	6
45	Manipulation of Crystallization Kinetics for Perovskite Photovoltaics Prepared Using Two-Step Method. <i>Crystals</i> , 2022, 12, 815.	1.0	4
46	Crystallization of Ionically Bonded Organic Metal Halide Hybrids. <i>ACS Symposium Series</i> , 2020, , 331-346.	0.5	3