

Haoran Lin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

7,826
citations

30
h-index

47
g-index

47
ext. papers

8,833
ext. citations

12.5
avg, IF

6.02
L-index

#	Paper	IF	Citations
43	Aggregation and morphology control enables multiple cases of high-efficiency polymer solar cells. <i>Nature Communications</i> , 2014 , 5, 5293	17.4	2609
42	Efficient organic solar cells processed from hydrocarbon solvents. <i>Nature Energy</i> , 2016 , 1,	62.3	1876
41	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018 , 3, 54-62	20.1	365
40	Terthiophene-based D-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, 14149-57	16.4	358
39	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	35.4	350
38	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018 , 9, 586-593	9.4	311
37	Roll-to-Roll Printed Large-Area All-Polymer Solar Cells with 5% Efficiency Based on a Low Crystallinity Conjugated Polymer Blend. <i>Advanced Energy Materials</i> , 2017 , 7, 1602742	21.8	179
36	Low dimensional metal halide perovskites and hybrids. <i>Materials Science and Engineering Reports</i> , 2019 , 137, 38-65	30.9	173
35	A Zero-Dimensional Organic Seesaw-Shaped Tin Bromide with Highly Efficient Strongly Stokes-Shifted Deep-Red Emission. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1021-1024	16.4	152
34	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44579-44583	9.5	125
33	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13181-13184	16.4	120
32	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , 2018 , 30, 2374-2378	9.6	115
31	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	13	92
30	Manganese-Doped One-Dimensional Organic Lead Bromide Perovskites with Bright White Emissions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40446-40451	9.5	78
29	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	20.1	73
28	Efficient Low-Bandgap Polymer Solar Cells with High Open-Circuit Voltage and Good Stability. <i>Advanced Energy Materials</i> , 2015 , 5, 1501282	21.8	73
27	Organic-Inorganic metal halide hybrids beyond perovskites. <i>Materials Research Letters</i> , 2018 , 6, 552-569	7.4	66

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	21.8	52
25	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission 2019 , 1, 594-598		52
24	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017 , 8, 8400-8404	9.4	51
23	Reaching 90% Photoluminescence Quantum Yield in One-Dimensional Metal Halide CNHPbBr by Pressure-Suppressed Nonradiative Loss. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16001-16006	16.4	49
22	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14120-14123	16.4	44
21	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	3.6	44
20	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. <i>Advanced Optical Materials</i> , 2019 , 7, 1801474	8.1	44
19	Facile Formation of 2D-3D Heterojunctions on Perovskite Thin Film Surfaces for Efficient Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1159-1168	9.5	38
18	Recent Advances in Luminescent Zero-Dimensional Organic Metal Halide Hybrids. <i>Advanced Optical Materials</i> , 2020 , 9, 2001766	8.1	38
17	Bulk Assembly of Multicomponent Zero-Dimensional Metal Halides with Dual Emission 2020 , 2, 376-380		36
16	0D and 2D: The Cases of Phenylethylammonium Tin Bromide Hybrids. <i>Chemistry of Materials</i> , 2020 , 32, 4692-4698	9.6	34
15	Bulk Assemblies of Lead Bromide Trimer Clusters with Geometry-Dependent Photophysical Properties. <i>Chemistry of Materials</i> , 2020 , 32, 374-380	9.6	33
14	Platinum(II) binuclear complexes: molecular structures, photophysical properties, and applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5910-5924	7.1	31
13	Hollow metal halide perovskite nanocrystals with efficient blue emissions. <i>Science Advances</i> , 2020 , 6, eaaz5961	14.3	29
12	Microwave Absorption of Organic Metal Halide Nanotubes. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901270	4.7	23
11	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	6.4	20
10	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	7.8	18
9	A Donor Polymer Based on a Difluorinated Pentathiophene Unit Enabling Enhanced Performance for Nonfullerene Organic Solar Cells. <i>Small Methods</i> , 2018 , 2, 1700415	12.8	13

8	One-Dimensional OrganicMetal Halide with Highly Efficient Warm White-Light Emission and Its Moisture-Induced Structural Transformation. <i>Chemistry of Materials</i> , 2021 , 33, 5668-5674	9.6	11
7	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	6.4	10
6	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	5.1	10
5	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie</i> , 2020 , 132, 14224-14227	3.6	9
4	Highly Emissive and Stable Organic-Perovskite Nanocomposite Thin Films with Phosphonium Passivation. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5923-5928	6.4	8
3	An antimony based organic-inorganic hybrid coating material with high quantum efficiency and thermal quenching effect. <i>Chemical Communications</i> , 2021 , 57, 1754-1757	5.8	6
2	Crystallization of Ionically Bonded Organic Metal Halide Hybrids. <i>ACS Symposium Series</i> , 2020 , 331-346	0.4	3
1	Advance and prospect of metal-organic frameworks for perovskite photovoltaic devices. <i>Organic Electronics</i> , 2022 , 106, 106546	3.5	3