

# Chenkun Zhou

## List of Publications by Year in descending order

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47  
papers

5,579  
citations

117625

34  
h-index

233421

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

4284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Heat-Induced Patterning of Inorganic Nanomaterials. <i>Journal of the American Chemical Society</i> , 2022, 144, 10495-10506.	13.7	8
2	Recent Advances in Luminescent Zero-Dimensional Organic Metal Halide Hybrids. <i>Advanced Optical Materials</i> , 2021, 9, 2001766.	7.3	118
3	Mechanochemical Synthesis of Zero Dimensional Organic-Inorganic Metal Halide Hybrids. <i>ChemPhotoChem</i> , 2021, 5, 326-329.	3.0	19
4	Surface passivation of perovskite thin films by phosphonium halides for efficient and stable solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2039-2046.	10.3	58
5	Bulk Assemblies of Lead Bromide Trimer Clusters with Geometry-Dependent Photophysical Properties. <i>Chemistry of Materials</i> , 2020, 32, 374-380.	6.7	56
6	Facile Formation of 2D-3D Heterojunctions on Perovskite Thin Film Surfaces for Efficient Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1159-1168.	8.0	55
7	Crystallization of Ionically Bonded Organic Metal Halide Hybrids. <i>ACS Symposium Series</i> , 2020, , 331-346.	0.5	3
8	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.	13.7	109
9	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.	4.0	29
10	Highly Stable Organic Antimony Halide Crystals for X-ray Scintillation. , 2020, 2, 633-638.		141
11	0D and 2D: The Cases of Phenylethylammonium Tin Bromide Hybrids. <i>Chemistry of Materials</i> , 2020, 32, 4692-4698.	6.7	72
12	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14120-14123.	13.8	89
13	Bulk Assembly of Multicomponent Zero-Dimensional Metal Halides with Dual Emission. , 2020, 2, 376-380.		65
14	Hollow metal halide perovskite nanocrystals with efficient blue emissions. <i>Science Advances</i> , 2020, 6, eaaz5961.	10.3	54
15	Multicomponent Organic Metal Halide Hybrid with White Emissions. <i>Angewandte Chemie</i> , 2020, 132, 14224-14227.	2.0	12
16	Bulk Assembly of Zero-Dimensional Organic Lead Bromide Hybrid with Efficient Blue Emission. , 2019, 1, 594-598.		92
17	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.	4.6	26
18	Highly Emissive and Stable Organic-Perovskite Nanocomposite Thin Films with Phosphonium Passivation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5923-5928.	4.6	13

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19	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.	17.4	117
20	Platinum( $\mu$ ) binuclear complexes: molecular structures, photophysical properties, and applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5910-5924.	5.5	59
21	Low dimensional metal halide perovskites and hybrids. <i>Materials Science and Engineering Reports</i> , 2019, 137, 38-65.	31.8	300
22	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. <i>Advanced Optical Materials</i> , 2019, 7, 1801474.	7.3	65
23	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.	2.0	58
24	Highly Efficient Spectrally Stable Red Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, e1707093.	21.0	184
25	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. <i>Chemistry of Materials</i> , 2018, 30, 2374-2378.	6.7	193
26	Low-Dimensional Organometal Halide Perovskites. <i>ACS Energy Letters</i> , 2018, 3, 54-62.	17.4	528
27	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.	13.8	219
28	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018, 9, 586-593.	7.4	467
29	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 13181-13184.	13.7	183
30	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018, 3, 1443-1449.	17.4	124
31	Unraveling luminescence mechanisms in zero-dimensional halide perovskites. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6398-6405.	5.5	168
32	Organic-inorganic metal halide hybrids beyond perovskites. <i>Materials Research Letters</i> , 2018, 6, 552-569.	8.7	97
33	Light-Emitting Diodes: Highly Efficient Spectrally Stable Red Perovskite Light-Emitting Diodes (Adv.) <i>TJ ETQq1 1 0.784314 rgBT / Overl</i>	21.0	7
34	Sunlike White-Light-Emitting Diodes Based on Zero-Dimensional Organic Metal Halide Hybrids. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30051-30057.	8.0	75
35	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie</i> , 2017, 129, 9146-9150.	2.0	42
36	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9018-9022.	13.8	242

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37	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. <i>Nature Communications</i> , 2017, 8, 14051.	12.8	623
38	Manganese-Doped One-Dimensional Organic Lead Bromide Perovskites with Bright White Emissions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40446-40451.	8.0	101
39	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	7.4	76
40	Solvent Effect on the Photoinduced Structural Change of a Phosphorescent Molecular Butterfly. <i>Chemistry - A European Journal</i> , 2017, 23, 17734-17739.	3.3	4
41	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44579-44583.	8.0	174
42	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2016, 2, 1600165.	5.1	25
43	A Microscale Perovskite as Single Component Broadband Phosphor for Downconversion White-Light-Emitting Devices. <i>Advanced Optical Materials</i> , 2016, 4, 2009-2015.	7.3	57
44	Phosphorescent Molecular Butterflies with Controlled Potential-Energy Surfaces and Their Application as Luminescent Viscosity Sensor. <i>Inorganic Chemistry</i> , 2016, 55, 8564-8569.	4.0	38
45	Precise Design of Phosphorescent Molecular Butterflies with Tunable Photoinduced Structural Change and Dual Emission. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9591-9595.	13.8	85
46	Sulfur-Doped Polyimide Photocatalyst with Enhanced Photocatalytic Activity under Visible Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4321-4328.	8.0	103
47	One-Electron Oxidation of an Organic Molecule by B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> ; Isolation and Structures of Stable Non- <i>para</i> -substituted Triarylamine Cation Radical and Bis(triarylamine) Dication Diradicaloid. <i>Journal of the American Chemical Society</i> , 2013, 135, 14912-14915.	13.7	122