

# Jing Zhao

## List of Publications by Citations

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61  
papers

1,915  
citations

24  
h-index

43  
g-index

71  
ext. papers

2,670  
ext. citations

7.9  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
61	Design Optimization of Lead-Free Perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> :Bi Nanocrystals with 11.4% Photoluminescence Quantum Yield. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3333-3339	9.6	134
60	Self-powered ultraviolet photodetector based on a single Sb-doped ZnO nanobelt. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 223113	3.4	133
59	High Thermoelectric Performance in Electron-Doped AgBiS with Ultralow Thermal Conductivity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6467-6473	16.4	115
58	Luminescent perovskites: recent advances in theory and experiments. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2969-3011	6.8	109
57	Hybrid Metal Halides with Multiple Photoluminescence Centers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18670-18675	16.4	93
56	Sb Doping-Induced Triplet Self-Trapped Excitons Emission in Lead-Free CsSnCl Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7439-7444	6.4	92
55	Incorporating Rare-Earth Terbium(III) Ions into Cs AgInCl :Bi Nanocrystals toward Tunable Photoluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11634-11640	16.4	92
54	Optically Modulated Ultra-Broad-Band Warm White Emission in Mn <sup>2+</sup> -Doped (C <sub>6</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> )PbBr <sub>4</sub> Hybrid Metal Halide Phosphor. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5788-5795	9.6	87
53	Lead-Free Perovskite Derivative Cs <sub>2</sub> SnCl <sub>6</sub> Br <sub>x</sub> Single Crystals for Narrowband Photodetectors. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900139	8.1	78
52	Double perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> :Cr <sup>3+</sup> : broadband and near-infrared luminescent materials. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 3621-3628	6.8	78
51	Two-Dimensional-Layered Perovskite ALaTaO:Bi (A = K and Na) Phosphors with Versatile Structures and Tunable Photoluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24648-24655	9.5	69
50	Synthesis and electromagnetic, microwave absorbing properties of polyaniline/graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>RSC Advances</i> , <b>2015</b> , 5, 19345-19352	3.7	64
49	Broad-Band Emission in a Zero-Dimensional Hybrid Organic [PbBr] Trimer with Intrinsic Vacancies. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1337-1341	6.4	61
48	Tuning of the Compositions and Multiple Activator Sites toward Single-Phased White Emission in (CaSr) <sub>2</sub> MgK(PO) <sub>4</sub> :Eu Phosphors for Solid-State Lighting. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5006-5012	5.1	60
47	Lead-Free Hybrid Metal Halides with a Green-Emissive [MnBr] Unit as a Selective Turn-On Fluorescent Sensor for Acetone. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13464-13470	5.1	56
46	Single-Component White-Light Emission in 2D Hybrid Perovskites with Hybridized Halogen Atoms. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901335	8.1	45
45	Synthesis and Luminescence Properties of CsPbX@Uio-67 Composites toward Stable Photoluminescence Convertors. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1690-1696	5.1	45

44	Lead-Free Broadband Orange-Emitting Zero-Dimensional Hybrid (PMA)InBr with Direct Band Gap. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15602-15609	5.1	42
43	Broadband Photoluminescence in 2D Organic-Inorganic Hybrid Perovskites: (CHN)PbBr and (CHN)PbBr. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 2934-2940	6.4	35
42	Fabrication of a dual-emitting dye-encapsulated metal-organic framework as a stable fluorescent sensor for metal ion detection. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6794-6799	4.3	33
41	Multiple Substitution Strategies toward Tunable Luminescence in LuMgAlSiO:Eu Phosphors. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 1405-1413	5.1	33
40	Ba <sub>2</sub> (BO <sub>3</sub> )(1-x)(CO <sub>3</sub> ) <sub>x</sub> Cl(1+x): a mixed borate and carbonate chloride crystallized from high-temperature solution. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 4568-71	5.1	29
39	Crystal structure and luminescence properties of lead-free metal halides (C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>3</sub> MBr <sub>6</sub> (M = Bi and Sb). <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7322-7329	7.1	28
38	Two new barium borate fluorides ABa <sub>12</sub> (BO <sub>3</sub> ) <sub>7</sub> F <sub>4</sub> (A = Li and Na). <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2501-5	5.1	26
37	Optical Functional Units in Zero-Dimensional Metal Halides as a Paradigm of Tunable Photoluminescence and Multicomponent Chromophores. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902114	8.1	24
36	Hybrid Metal Halides with Multiple Photoluminescence Centers. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18843-18848	8.8	21
35	Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite (C <sub>4</sub> H <sub>9</sub> NH <sub>3</sub> ) <sub>2</sub> PbCl <sub>4</sub> . <i>Science China Materials</i> , <b>2019</b> , 62, 1013-1022	7.1	19
34	Homologous Series of 2D Chalcogenides Cs-Ag-Bi-Q (Q = S, Se) with Ion-Exchange Properties. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12601-12609	16.4	16
33	Localized ultraviolet photoresponse in single bent ZnO micro/nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 133112	3.4	15
32	The Two-Dimensional ACdBiQ (A = K, Rb, Cs; Q = S, Se): Direct Bandgap Semiconductors and Ion-Exchange Materials. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6978-6987	16.4	14
31	Hepatocyte-specific TAK1 deficiency drives RIPK1 kinase-dependent inflammation to promote liver fibrosis and hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14231-14242	11.5	13
30	Halogen Substitution in Zero-Dimensional Mixed Metal Halides toward Photoluminescence Modulation and Enhanced Quantum Yield. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000418	8.1	13
29	Six Quaternary Chalcogenides of the Pavonite Homologous Series with Ultralow Lattice Thermal Conductivity. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3430-3439	9.6	12
28	The postsynthetic anion exchange of CsPbI <sub>3</sub> nanocrystals for photoluminescence tuning and enhanced quantum efficiency. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 12302-12307	7.1	12
27	Semiconducting Pavonites CdMBi <sub>4</sub> Se <sub>8</sub> (M = Sn and Pb) and Their Thermoelectric Properties. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8494-8503	9.6	11

26	The New Semiconductor Cs <sub>4</sub> Cu <sub>3</sub> Bi <sub>9</sub> S <sub>17</sub> . <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1744-1751	9.6	10
25	Multidimensional Proteomics Identifies Declines in Protein Homeostasis and Mitochondria as Early Signals for Normal Aging and Age-associated Disease in. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 2078-2088	7.6	10
24	(INVITED) A review on the Eu <sup>2+</sup> doped $\text{Ca}_3(\text{PO}_4)_2$ -type phosphors and the sites occupancy for photoluminescence tuning. <i>Optical Materials: X</i> , <b>2019</b> , 1, 100019	1.7	7
23	Quaternary Chalcogenide Semiconductors with 2D Structures: RbZnBiSe and CsCdBiTe. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9403-9411	5.1	7
22	Modeling tumor development and metastasis using paired organoids derived from patients with colorectal cancer liver metastases. <i>Journal of Hematology and Oncology</i> , <b>2020</b> , 13, 119	22.4	7
21	Efficiency-Tunable Single-Component White-Light Emission Realized in Hybrid Halides Through Metal Co-Occupation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	6
20	Pavonite homologues as potential n-type thermoelectric materials: crystal structure and performance. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 1283-1294	7.8	6
19	Incorporating Rare-Earth Terbium(III) Ions into Cs <sub>2</sub> AgInCl <sub>6</sub> :Bi Nanocrystals toward Tunable Photoluminescence. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11731-11737	3.6	5
18	Light-Emitting 0D Hybrid Metal Halide (CHN)SbCl with Antimony Dimers. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11429-11434	5.1	5
17	Hybrid Metal-Halide Infrared Nonlinear Optical Crystals of (TMEDA)MI <sub>5</sub> (M = Sb, Bi) with High Stability. <i>Advanced Optical Materials</i> , 2101333	8.1	4
16	Thermoelectric Material SnPbBiS: The L Member of Lillianite Homologous Series with Low Lattice Thermal Conductivity. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1339-1348	5.1	4
15	Zero-Dimensional Lead-Free Halide with Indirect Optical Gap and Enhanced Photoluminescence by Sb Doping.. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 198-207	6.4	4
14	Decreasing Structural Dimensionality of Double Perovskites for Phase Stabilization toward Efficient X-ray Detection.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61447-61453	9.5	4
13	Temperature-driven n-p conduction type switching without structural transition in a Cu-rich chalcogenide, NaCuS. <i>Chemical Communications</i> , <b>2020</b> , 56, 4882-4885	5.8	3
12	Broad Photoluminescence and Second-Harmonic Generation in the Noncentrosymmetric Organic-Inorganic Hybrid Halide (C <sub>6</sub> H <sub>5</sub> (CH <sub>2</sub> ) <sub>4</sub> NH <sub>3</sub> ) <sub>4</sub> MX <sub>7</sub> ·H <sub>2</sub> O (M = Bi, In, X = Br or I). <i>Chemistry of Materials</i> , <b>2021</b> , 33, 8106-8111	9.6	3
11	Semiconducting BaSnSb and Metallic BaSnSb (x = 0.4, y = 0.6) Zintl Phases. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14251-14259	5.1	2
10	Necroptosis activates UPR sensors without disrupting their binding with GRP78. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118, e2110476118	11.5	2
9	Reversible Mechanically Induced On/Off Photoluminescence in Hybrid Metal Halides. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2110771	15.6	2

8	Broadband light emitting zero-dimensional antimony and bismuth-based hybrid halides with diverse structures. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 15942-15948	7.1	1
7	Loss of TDP-43 function underlies hippocampal and cortical synaptic deficits in TDP-43 proteinopathies. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	1
6	Quantitative analysis of phosphoproteome in necroptosis reveals a role of TRIM28 phosphorylation in promoting necroptosis-induced cytokine production. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 994	9.8	1
5	InPbSbS: A Stable Quaternary Chalcogenide with Low Thermal Conductivity. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 325-333	5.1	1
4	Abrupt Thermal Shock of (NH)MoS Leads to Ultrafast Synthesis of Porous Ensembles of MoS Nanocrystals for High Gain Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38193-38200	8.5	1
3	Structure and Optical Properties of Hybrid-Layered-Double Perovskites (CHN)AgMBr (M = In, Sb, and Bi). <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14629-14635	5.1	1
2	NMDA receptor-dependent prostaglandin-endoperoxide synthase 2 induction in neurons promotes glial proliferation during brain development and injury.. <i>Cell Reports</i> , <b>2022</b> , 38, 110557	10.6	1
1	Spatio-temporal tracking the transporting of RNA nano-drugs: from transmembrane to intracellular delivery. <i>Nanoscale</i> ,	7.7	0