Jing Zhao

List of Publications by Year in descending order

70 papers	3,448 citations	159358 30 h-index	143772 57 g-index
71 all docs	71 docs citations	71 times ranked	3215 citing authors

#	Article	IF	Citations
1	Design Optimization of Lead-Free Perovskite Cs₂AgInCl₆:Bi Nanocrystals with 11.4% Photoluminescence Quantum Yield. Chemistry of Materials, 2019, 31, 3333-3339.	3.2	225
2	Incorporating Rareâ€Earth Terbium(III) Ions into Cs₂AgInCl₆:Bi Nanocrystals toward Tunable Photoluminescence. Angewandte Chemie - International Edition, 2020, 59, 11634-11640.	7.2	214
3	Double perovskite Cs₂AgInCl₆:Cr³⁺: broadband and near-infrared luminescent materials. Inorganic Chemistry Frontiers, 2019, 6, 3621-3628.	3.0	209
4	Luminescent perovskites: recent advances in theory and experiments. Inorganic Chemistry Frontiers, 2019, 6, 2969-3011.	3.0	185
5	Sb³⁺ Doping-Induced Triplet Self-Trapped Excitons Emission in Lead-Free Cs₂SnCl₆ Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 7439-7444.	2.1	180
6	High Thermoelectric Performance in Electron-Doped AgBi₃S₅ with Ultralow Thermal Conductivity. Journal of the American Chemical Society, 2017, 139, 6467-6473.	6.6	160
7	Hybrid Metal Halides with Multiple Photoluminescence Centers. Angewandte Chemie - International Edition, 2019, 58, 18670-18675.	7.2	158
8	Self-powered ultraviolet photodetector based on a single Sb-doped ZnO nanobelt. Applied Physics Letters, 2010, 97, .	1.5	139
9	Optically Modulated Ultra-Broad-Band Warm White Emission in Mn²⁺-Doped (C₆H₁₈N₂O₂)PbBr₄ Hybrid Metal Halide Phosphor. Chemistry of Materials, 2019, 31, 5788-5795.	3.2	131
10	Leadâ€Free Perovskite Derivative Cs₂SnCl_{6â”}_xBr_x Single Crystals for Narrowband Photodetectors. Advanced Optical Materials, 2019, 7, 1900139.	3.6	123
11	Lead-Free Hybrid Metal Halides with a Green-Emissive [MnBr₄] Unit as a Selective Turn-On Fluorescent Sensor for Acetone. Inorganic Chemistry, 2019, 58, 13464-13470.	1.9	112
12	Two-Dimensional-Layered Perovskite ALaTa₂O₇:Bi³⁺ (A = K and Na) Phosphors with Versatile Structures and Tunable Photoluminescence. ACS Applied Materials & Interfaces, 2018, 10, 24648-24655.	4.0	91
13	Broad-Band Emission in a Zero-Dimensional Hybrid Organic [PbBr₆] Trimer with Intrinsic Vacancies. Journal of Physical Chemistry Letters, 2019, 10, 1337-1341.	2.1	86
14	Tuning of the Compositions and Multiple Activator Sites toward Single-Phased White Emission in (Ca_{9â€“x}Sr_x)MgK(PO₄)₇:Eu²⁺ Phosphors for Solid-State Lighting. Inorganic Chemistry, 2019, 58, 5006-5012.	1.9	85
15	Lead-Free Broadband Orange-Emitting Zero-Dimensional Hybrid (PMA)₃InBr₆ with Direct Band Gap. Inorganic Chemistry, 2019, 58, 15602-15609.	1.9	81
16	Synthesis and electromagnetic, microwave absorbing properties of polyaniline/graphene oxide/Fe₃O₄ nanocomposites. RSC Advances, 2015, 5, 19345-19352.	1.7	72
17	Singleâ€Component Whiteâ€Light Emission in 2D Hybrid Perovskites with Hybridized Halogen Atoms. Advanced Optical Materials, 2019, 7, 1901335.	3.6	71
18	Crystal structure and luminescence properties of lead-free metal halides (C₆H₅CH₂NH₃)₃MBr₆ (M = Bi) Tj ET q0 0 0 rg BT /Overl	70	

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19	Synthesis and Luminescence Properties of CsPbX₃@Uio-67 Composites toward Stable Photoluminescence Convertors. Inorganic Chemistry, 2019, 58, 1690-1696.	1.9	65
20	Broadband Photoluminescence in 2D Organicâ€“Inorganic Hybrid Perovskites: (C₇H₁₈N₂)PbBr₄ and (C₉H₂₂N₂)PbBr₄. Journal of Physical Chemistry Letters, 2020, 11, 2934-2940.	2.1	61
21	Fabrication of a dual-emitting dye-encapsulated metalâ€“organic framework as a stable fluorescent sensor for metal ion detection. Dalton Transactions, 2019, 48, 6794-6799.	1.6	60
22	Multiple Substitution Strategies toward Tunable Luminescence in Lu₂MgAl₄SiO₁₂:Eu²⁺ Phosphors. Inorganic Chemistry, 2020, 59, 1405-1413.	1.9	58
23	Hepatocyte-specific TAK1 deficiency drives RIPK1 kinase-dependent inflammation to promote liver fibrosis and hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14231-14242.	3.3	40
24	Multidimensional Proteomics Identifies Declines in Protein Homeostasis and Mitochondria as Early Signals for Normal Aging and Age-associated Disease in Drosophila*[S]. Molecular and Cellular Proteomics, 2019, 18, 2078-2088.	2.5	38
25	Optical Functional Units in Zeroâ€Dimensional Metal Halides as a Paradigm of Tunable Photoluminescence and Multicomponent Chromophores. Advanced Optical Materials, 2020, 8, 1902114.	3.6	38
26	Ba₂(BO₃)_{1â€“x}(CO₃)_xCl_{1+x}: A Mixed Borate and Carbonate Chloride Crystallized from High-Temperature Solution. Inorganic Chemistry, 2012, 51, 4568-4571.	1.9	36
27	Broad Photoluminescence and Second-Harmonic Generation in the Noncentrosymmetric Organicâ€“Inorganic Hybrid Halide (C₆H₅(CH₂)₄NH₃)₄MX₇·H₂ (M = Bi, In, X = Br or I). Chemistry of Materials, 2021, 33, 8106-8111.	3.2	36
28	Crystallographic control for Cr⁴⁺ activators toward efficient NIR-II luminescence. Inorganic Chemistry Frontiers, 2022, 9, 1912-1919.	3.0	36
29	Zero-Dimensional Lead-Free Halide with Indirect Optical Gap and Enhanced Photoluminescence by Sb Doping. Journal of Physical Chemistry Letters, 2022, 13, 198-207.	2.1	35
30	Two New Barium Borate Fluorides ABa₁₂(BO₃)₇F₄ (A =) Tj ETQq0 0 0 rgBT /Overloc	1.9	34
31	Halogen Substitution in Zeroâ€Dimensional Mixed Metal Halides toward Photoluminescence Modulation and Enhanced Quantum Yield. Advanced Optical Materials, 2020, 8, 2000418.	3.6	29
32	Six Quaternary Chalcogenides of the Pavonite Homologous Series with Ultralow Lattice Thermal Conductivity. Chemistry of Materials, 2019, 31, 3430-3439.	3.2	28
33	Hybrid Metal Halides with Multiple Photoluminescence Centers. Angewandte Chemie, 2019, 131, 18843-18848.	1.6	27
34	Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite (C4H9NH3)2PbCl4. Science China Materials, 2019, 62, 1013-1022.	3.5	26
35	Efficiency-Tunable Single-Component White-Light Emission Realized in Hybrid Halides Through Metal Co-Occupation. ACS Applied Materials & Interfaces, 2021, 13, 29835-29842.	4.0	26
36	Modeling tumor development and metastasis using paired organoids derived from patients with colorectal cancer liver metastases. Journal of Hematology and Oncology, 2020, 13, 119.	6.9	25

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37	Loss of TDP-43 function underlies hippocampal and cortical synaptic deficits in TDP-43 proteinopathies. Molecular Psychiatry, 2023, 28, 931-945.	4.1	24
38	Homologous Series of 2D Chalcogenides Csâ€“Agâ€“Biâ€“Q (Q = S, Se) with Ion-Exchange Properties. Journal of the American Chemical Society, 2017, 139, 12601-12609.	6.6	22
39	Hybrid Metalâ€Halide Infrared Nonlinear Optical Crystals of (TMEDA)MI₅ (M = Sb, Bi) with High Stability. Advanced Optical Materials, 2021, 9, 2101333.	3.6	20
40	Necroptosis activates UPR sensors without disrupting their binding with GRP78. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
41	The Two-Dimensional A_xCd_xBi_{4â€“x}Q₆ (A = K, Rb, Cs; Q =) Tj ETQq1 1 0.784314 rgBT Society, 2017, 139, 6978-6987.	6.6	18
42	Semiconducting Pavonites CdMBi₄Se₈ (M = Sn and Pb) and Their Thermoelectric Properties. Chemistry of Materials, 2017, 29, 8494-8503.	3.2	18
43	The postsynthetic anion exchange of CsPbI₃ nanocrystals for photoluminescence tuning and enhanced quantum efficiency. Journal of Materials Chemistry C, 2020, 8, 12302-12307.	2.7	18
44	Broadband light emitting zero-dimensional antimony and bismuth-based hybrid halides with diverse structures. Journal of Materials Chemistry C, 2021, 9, 15942-15948.	2.7	18
45	High-efficiency red photoluminescence achieved by antimony doping in organicâ€“inorganic halide (C₁₁H₂₄N₂)₂[InBr₆][InBr₄]. Journal of Materials Chemistry C, 2022, 10, 5905-5913.	2.7	17
46	Localized ultraviolet photoresponse in single bent ZnO micro/nanowires. Applied Physics Letters, 2010, 97, 133112.	1.5	15
47	The New Semiconductor Cs₄Cu₃Bi₉S₁₇. Chemistry of Materials, 2017, 29, 1744-1751.	3.2	13
48	Light-Emitting 0D Hybrid Metal Halide (C₃H₁₂N₂)₂Sb₂Cl₁₀ with Antimony Dimers. Inorganic Chemistry, 2021, 60, 11429-11434.	1.9	13
49	(INVITED) A review on the Eu2+ doped Î²-Ca3(PO4)2-type phosphors and the sites occupancy for photoluminescence tuning. Optical Materials: X, 2019, 1, 100019.	0.3	12
50	Reversible Mechanically Induced Onâ€“Off Photoluminescence in Hybrid Metal Halides. Advanced Functional Materials, 2022, 32, .	7.8	12
51	Incorporating Rareâ€Earth Terbium(III) Ions into Cs₂AgInCl₆:Bi Nanocrystals toward Tunable Photoluminescence. Angewandte Chemie, 2020, 132, 11731-11737.	1.6	11
52	Decreasing Structural Dimensionality of Double Perovskites for Phase Stabilization toward Efficient X-ray Detection. ACS Applied Materials & Interfaces, 2021, 13, 61447-61453.	4.0	11
53	Quaternary Chalcogenide Semiconductors with 2D Structures: Rb2ZnBi2Se5 and Cs6Cd2Bi8Te17. Inorganic Chemistry, 2018, 57, 9403-9411.	1.9	10
54	Thermoelectric Material SnPb2Bi2S6: The 4,4L Member of Lillianite Homologous Series with Low Lattice Thermal Conductivity. Inorganic Chemistry, 2019, 58, 1339-1348.	1.9	10

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55	Small Organic Molecular-Based Hybrid Halides with High Photoluminescence Quenching Temperature. Inorganic Chemistry, 2022, 61, 7560-7567.	1.9	10
56	Antimony doping to enhance luminescence of tin(<scp>iv</scp>)-based hybrid metal halides. Inorganic Chemistry Frontiers, 2022, 9, 3865-3873.	3.0	9
57	Pavonite homologues as potential n-type thermoelectric materials: crystal structure and performance. Materials Chemistry Frontiers, 2021, 5, 1283-1294.	3.2	8
58	NMDA receptor-dependent prostaglandin-endoperoxide synthase 2 induction in neurons promotes glial proliferation during brain development and injury. Cell Reports, 2022, 38, 110557.	2.9	8
59	Antimony and bismuth cooperation to enhance the broad yellow photoluminescence of zero-dimensional hybrid halide. Journal of Materials Chemistry C, 2022, 10, 9841-9848.	2.7	8
60	Structure and Optical Properties of Hybrid-Layered-Double Perovskites (C₈H₂₀N₂)₂AgMBr₈ (M = In, Sb, and Bi). Inorganic Chemistry, 2021, 60, 14629-14635.	1.9	7
61	Quantitative analysis of phosphoproteome in necroptosis reveals a role of TRIM28 phosphorylation in promoting necroptosis-induced cytokine production. Cell Death and Disease, 2021, 12, 994.	2.7	7
62	Abrupt Thermal Shock of (NH₄)₂Mo₃S₁₃ Leads to Ultrafast Synthesis of Porous Ensembles of MoS₂ Nanocrystals for High Gain Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 38193-38200.	4.0	5
63	Temperature-driven nâ€“p conduction type switching without structural transition in a Cu-rich chalcogenide, NaCu₅S₃. Chemical Communications, 2020, 56, 4882-4885.	2.2	5
64	In₄Pb_{5.5}Sb₅S₁₉: A Stable Quaternary Chalcogenide with Low Thermal Conductivity. Inorganic Chemistry, 2021, 60, 325-333.	1.9	5
65	Semiconducting Ba₃Sn₃Sb₄ and Metallic Ba_{7â€“x}Sn₁₁Sb_{15â€“y} (x = 0.4, y = 0.6) Zintl Phases. Inorganic Chemistry, 2017, 56, 14251-14259.	1.9	3
66	microRNA-252 and FoxO repress inflammaging by a dual inhibitory mechanism on Dawdle-mediated TGF-Î² pathway in Drosophila. Genetics, 2022, 220, .	1.2	1
67	Spatiotemporal tracking of the transport of RNA nano-drugs: from transmembrane to intracellular delivery. Nanoscale, 2022, 14, 8919-8928.	2.8	1
68	OPTICAL PROPERTIES AND PHOTOCATALYTIC ACTIVITY OF MN-DOPED ZNO NANORODS. , 2012, , .		0
69	STRUCTURE AND MAGNETIC PROPERTY OF NI-DOPED ZNO NANORODS. , 2012, , .		0
70	Necroptosis activates UPR sensors without disrupting their binding with GRP78. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	0