

Tong Cai

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,513
citations

430874

18
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1913
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of double perovskite and quadruple perovskite nanocrystals through post-synthetic transformation reactions. <i>Chemical Science</i> , 2022, 13, 4874-4883.	7.4	12
2	Synthesis of Lead-Free Cs ₂ AgBiX ₆ (X = Cl, Br, I) Double Perovskite Nanoplatelets and Their Application in CO ₂ Photocatalytic Reduction. <i>Nano Letters</i> , 2021, 21, 1620-1627.	9.1	140
3	Synthesis of Ultrathin Perovskite Nanowires via a Postsynthetic Transformation Reaction of Zero-Dimensional Perovskite Nanocrystals. <i>Crystal Growth and Design</i> , 2021, 21, 1924-1930.	3.0	13
4	Recent Advances in Ligand Design and Engineering in Lead Halide Perovskite Nanocrystals. <i>Advanced Science</i> , 2021, 8, 2100214.	11.2	109
5	Ultrafast cation doping of perovskite quantum dots in flow. <i>Matter</i> , 2021, 4, 2429-2447.	10.0	20
6	Brightening of Dark States in CsPbBr ₃ Quantum Dots Caused by Light-Induced Magnetism. <i>Small</i> , 2021, 17, e2101527.	10.0	5
7	Colloidal synthesis and charge carrier dynamics of Cs ₄ Cd _{1-x} Cu _x Sb ₂ Cl ₁₂ (0 ≤ x ≤ 1) layered double perovskite nanocrystals. <i>Matter</i> , 2021, 4, 2936-2952.	10.0	20
8	Three-dimensional macroporous photonic crystal enhanced photon collection for quantum dot-based luminescent solar concentrator. <i>Nano Energy</i> , 2020, 67, 104217.	16.0	29
9	Synthesis and transformation of zero-dimensional Cs ₃ BiX ₆ (X = Cl, Br) perovskite-analogue nanocrystals. <i>Nano Research</i> , 2020, 13, 282-291.	10.4	79
10	Strain Effect in Palladium Nanostructures as Nanozymes. <i>Nano Letters</i> , 2020, 20, 272-277.	9.1	85
11	The effects of monovalent metal cations on the crystal and electronic structures of Cs ₂ MBiCl ₆ (M = Tl, ET, Qq, 1, 0.784314 rgBT / Overlock 100)	3.0	43
12	Mn ²⁺ /Yb ³⁺ Codoped CsPbCl ₃ Perovskite Nanocrystals with Triple-Wavelength Emission for Luminescent Solar Concentrators. <i>Advanced Science</i> , 2020, 7, 2001317.	11.2	105
13	Synthesis of lead-free Cs ₄ (Cd _{1-x} Mn _x)Bi ₂ Cl ₁₂ (0 ≤ x ≤ 1) layered double perovskite nanocrystals with controlled Mn-Mn coupling interaction. <i>Nanoscale</i> , 2020, 12, 23191-23199.	5.6	31
14	Stereoselective C ⁺ C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. <i>Angewandte Chemie</i> , 2020, 132, 22752-22758.	2.0	16
15	Stereoselective C ⁺ C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22563-22569.	13.8	73
16	Lead-Free Cs ₄ CuSb ₂ Cl ₁₂ Layered Double Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2020, 142, 11927-11936.	13.7	131
17	Structural distortion and electron redistribution in dual-emitting gold nanoclusters. <i>Nature Communications</i> , 2020, 11, 2897.	12.8	42
18	The correlation between phase transition and photoluminescence properties of CsPbX ₃ (X = Tl, ET, Qq, 0, 0 rgBT / Overlock 100)	4.6	27

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19	Ligand Engineering for Mn ²⁺ Doping Control in CsPbCl ₃ Perovskite Nanocrystals via a Quasi-Solid-Solid Cation Exchange Reaction. Chemistry of Materials, 2020, 32, 2489-2500.	6.7	46
20	Crystalline Mesoporous Complex Oxides: Porosity-Controlled Electromagnetic Response. Advanced Functional Materials, 2020, 30, 1909491.	14.9	15
21	Pressure-Induced Transformations of Three-Component Heterostructural Nanocrystals with CdS/Au ₂ S Janus Nanoparticles as Hosts and Small Au Nanoparticles as Satellites. ACS Applied Nano Materials, 2019, 2, 6804-6808.	5.0	11
22	Yb- and Mn-Doped Lead-Free Double Perovskite Cs ₂ AgBiX ₆ (X = Cl, Br, I) with High Thermal Stability and Broadband Emission. Journal of Physical Chemistry Letters, 2020, 11, 1900-1904.	8.0	190
23	Synthesis of All-Inorganic Cd-Doped CsPbCl ₃ Perovskite Nanocrystals with Dual-Wavelength Emission. Journal of Physical Chemistry Letters, 2018, 9, 7079-7084.	4.6	92
24	Composition-Graded Cesium Lead Halide Perovskite Nanowires with Tunable Dual-Color Lasing Performance. Advanced Materials, 2018, 30, e1800596.	21.0	99
25	Pressure-Induced Phase Transformation and Band-Gap Engineering of Formamidinium Lead Iodide Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2018, 9, 4199-4205.	4.6	78