

Yajing Chang

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29
papers

765
citations

14
h-index

27
g-index

31
ext. papers

891
ext. citations

7.3
avg, IF

3.88
L-index

#	Paper	IF	Citations
29	Shape and phase evolution from CsPbBr perovskite nanocubes to tetragonal CsPbBr nanosheets with an indirect bandgap. <i>Chemical Communications</i> , 2016 , 52, 11296-11299	5.8	176
28	Interface engineering using a perovskite derivative phase for efficient and stable CsPbBr ₃ solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14255-14261	13	93
27	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , 2019 , 31, e1901602	24	81
26	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018 , 6, 1800474	8.1	63
25	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37267-37276	9.5	59
24	High Efficient Hole Extraction and Stable All-Bromide Inorganic Perovskite Solar Cells via Derivative-Phase Gradient Bandgap Architecture. <i>Solar Rrl</i> , 2019 , 3, 1900030	7.1	47
23	Full-spectra hyperfluorescence cesium lead halide perovskite nanocrystals obtained by efficient halogen anion exchange using zinc halogenide salts. <i>CrystEngComm</i> , 2017 , 19, 1165-1171	3.3	37
22	Preparation of highly luminescent BaSO ₄ protected CdTe quantum dots as conversion materials for excellent color-rendering white LEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2831-2836	7.1	31
21	A water-ethanol phase assisted co-precipitation approach toward high quality quantum dot-inorganic salt composites and their application for WLEDs. <i>Green Chemistry</i> , 2015 , 17, 4439-4445	10	29
20	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12946-12951	16.4	26
19	PbS Quantum-Dot Depleted Heterojunction Solar Cells Employing CdS Nanorod Arrays as the Electron Acceptor with Enhanced Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23117-23	9.5	17
18	Inverted quantum-dot solar cells with depleted heterojunction structure employing CdS as the electron acceptor. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 137, 287-292	6.4	16
17	Construction of crossed heterojunctions from p-ZnTe and n-CdSe nanoribbons and their photoresponse properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6547	7.1	16
16	Ultrasensitive PbS-Quantum-Dot Photodetectors for Visible-Near-Infrared Light Through Surface Atomic-Ligand Exchange. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1102-1109	3.1	16
15	PVP-modulated synthesis of NaV ₆ O ₁₅ nanorods as cathode materials for high-capacity sodium-ion batteries. <i>Journal of Materials Science</i> , 2016 , 51, 8986-8994	4.3	11
14	High performance visible-near-infrared PbS-quantum-dots/indium Schottky diodes for photodetectors. <i>Nanotechnology</i> , 2017 , 28, 055202	3.4	10
13	Hybrid perovskite exchange of PbS quantum dots for fast and high-detectivity visible-near-infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7812-7819	7.1	8

12	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie</i> , 2017 , 129, 13126-13131	3.6	8
11	Tailoring interfacial carrier dynamics via rationally designed uniform CsPbBr ₃ quantum dots for high-efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 26098-26108	13	8
10	Carbon-wrapped four-component Na ₂ Ni ₂ Co oxides via sol-gel process for NIB anode material with superior cycling stability. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 855-864	2.6	2
9	Electron oriented injection TiSe ₂ laminated heterojunctions derived from terminal functionalized MXene for high-rate sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27684-27691 ^{1,2}	13	2
8	Highly stable CsPbBr ₃ perovskite quantum dots incorporated in aluminum stearate. <i>Journal of Luminescence</i> , 2021 , 234, 117962	3.8	2
7	A Ni-doping-induced phase transition and electron evolution in cobalt hexacyanoferrate as a stable cathode for sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2491-2499	3.6	2
6	Converting electrical conductivity types in surface atomic-ligand exchanged PbS quantum dots via gate voltage tuning. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 866-873	5.7	1
5	Scale Synthesis of Environment Friendly CIZS/ZnS Core/Shell Quantum Dots for High Color Quality White LEDs. <i>Nano</i> , 2017 , 12, 1750014	1.1	1
4	Shape control of Ag nanostructures via a postsynthetic annealing treatment. <i>CrystEngComm</i> , 2014 , 16, 7885	3.3	1
3	Interface Engineering of a Sandwich Flexible Electrode PAn@CoHCF Rooted in Carbon Cloth for Enhanced Sodium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23794-23802	9.5	1
2	Highly stable CdTe quantum dots hosted in gypsum via a flocculation-precipitation method. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12336-12342	7.1	1
1	Innenrücktitelbild: Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption (Angew. Chem. 42/2017). <i>Angewandte Chemie</i> , 2017 , 129, 13331-13331	3.6	