

# Yajing Chang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Electron oriented injection TiSe <sub>2</sub> /laminated heterojunctions derived from terminal functionalized MXene for high-rate sodium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 27684-27691 <sup>2</sup>	13.2	2
28	Interface Engineering of a Sandwich Flexible Electrode PAN@CoHCF Rooted in Carbon Cloth for Enhanced Sodium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23794-23802	9.5	1
27	Highly stable CsPbBr <sub>3</sub> perovskite quantum dots incorporated in aluminum stearate. <i>Journal of Luminescence</i> , <b>2021</b> , 234, 117962	3.8	2
26	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> , <b>2021</b> , 23, 2491-2499	3.6	2
25	Hybrid perovskite exchange of PbS quantum dots for fast and high-detectivity visible-near-infrared photodetectors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7812-7819	7.1	8
24	Tailoring interfacial carrier dynamics via rationally designed uniform CsPbBr <sub>3</sub> / quantum dots for high-efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 26098-26108	13	8
23	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901602	24	81
22	High Efficient Hole Extraction and Stable All-Bromide Inorganic Perovskite Solar Cells via Derivative-Phase Gradient Bandgap Architecture. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900030	7.1	47
21	Highly stable CdTe quantum dots hosted in gypsum via a flocculation-precipitation method. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12336-12342	7.1	1
20	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37267-37276	9.5	59
19	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800474	8.1	63
18	Interface engineering using a perovskite derivative phase for efficient and stable CsPbBr <sub>3</sub> solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14255-14261	13	93
17	Converting electrical conductivity types in surface atomic-ligand exchanged PbS quantum dots via gate voltage tuning. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 699, 866-873	5.7	1
16	Scale Synthesis of Environment Friendly CIZS/ZnS Core/Shell Quantum Dots for High Color Quality White LEDs. <i>Nano</i> , <b>2017</b> , 12, 1750014	1.1	1
15	Carbon-wrapped four-component Na <sub>2</sub> Bi <sub>2</sub> Te <sub>5</sub> oxides via sol-gel process for NIB anode material with superior cycling stability. <i>Journal of Applied Electrochemistry</i> , <b>2017</b> , 47, 855-864	2.6	2
14	High performance visible-near-infrared PbS-quantum-dots/indium Schottky diodes for photodetectors. <i>Nanotechnology</i> , <b>2017</b> , 28, 055202	3.4	10
13	Full-spectra hyperfluorescence cesium lead halide perovskite nanocrystals obtained by efficient halogen anion exchange using zinc halogenide salts. <i>CrystEngComm</i> , <b>2017</b> , 19, 1165-1171	3.3	37

12	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> , <b>2017</b> , 129, 13331-13331	3.6	
11	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13126-13131	3.6	8
10	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12946-12951	16.4	26
9	Shape and phase evolution from CsPbBr perovskite nanocubes to tetragonal CsPbBr nanosheets with an indirect bandgap. <i>Chemical Communications</i> , <b>2016</b> , 52, 11296-11299	5.8	176
8	PVP-modulated synthesis of NaV <sub>6</sub> O <sub>15</sub> nanorods as cathode materials for high-capacity sodium-ion batteries. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 8986-8994	4.3	11
7	A water-ethanol phase assisted co-precipitation approach toward high quality quantum dot-organic salt composites and their application for WLEDs. <i>Green Chemistry</i> , <b>2015</b> , 17, 4439-4445	10	29
6	Inverted quantum-dot solar cells with depleted heterojunction structure employing CdS as the electron acceptor. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 137, 287-292	6.4	16
5	PbS Quantum-Dot Depleted Heterojunction Solar Cells Employing CdS Nanorod Arrays as the Electron Acceptor with Enhanced Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23117-23	9.5	17
4	Ultrasensitive PbS-Quantum-Dot Photodetectors for Visible-Near-Infrared Light Through Surface Atomic-Ligand Exchange. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 1102-1109	3.1	16
3	Preparation of highly luminescent BaSO <sub>4</sub> protected CdTe quantum dots as conversion materials for excellent color-rendering white LEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2831-2836	7.1	31
2	Construction of crossed heterojunctions from p-ZnTe and n-CdSe nanoribbons and their photoresponse properties. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6547	7.1	16
1	Shape control of Ag nanostructures via a postsynthetic annealing treatment. <i>CrystEngComm</i> , <b>2014</b> , 16, 7885	3.3	1