Ye Wu

List of Publications by Year
in descending order

22 papers	5,126 citations	331538 21 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	5941 citing authors

#	Article	IF	Citations
1	CsPbX₃ Quantum Dots for Lighting and Displays: Roomâ€Temperature Synthesis, Photoluminescence Superiorities, Underlying Origins and White Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 2435-2445.	7.8	2,055
2	All Inorganic Halide Perovskites Nanosystem: Synthesis, Structural Features, Optical Properties and Optoelectronic Applications. Small, 2017, 13, 1603996.	5.2	537
3	In Situ Passivation of PbBr₆^{4â€“} Octahedra toward Blue Luminescent CsPbBr₃ Nanoplatelets with Near 100% Absolute Quantum Yield. ACS Energy Letters, 2018, 3, 2030-2037.	8.8	402
4	CsPbBr₃ Quantum Dots 2.0: Benzenesulfonic Acid Equivalent Ligand Awakens Complete Purification. Advanced Materials, 2019, 31, e1900767.	11.1	329
5	Healing Allâ€Inorganic Perovskite Films via Recyclable Dissolutionâ€“Recyrstallization for Compact and Smooth Carrier Channels of Optoelectronic Devices with High Stability. Advanced Functional Materials, 2016, 26, 5903-5912.	7.8	296
6	Constructing Fast Carrier Tracks into Flexible Perovskite Photodetectors To Greatly Improve Responsivity. ACS Nano, 2017, 11, 2015-2023.	7.3	274
7	Surface Halogen Compensation for Robust Performance Enhancements of CsPbX₃ Perovskite Quantum Dots. Advanced Optical Materials, 2019, 7, 1900276.	3.6	138
8	Capping CsPbBr3 with ZnO to improve performance and stability of perovskite memristors. Nano Research, 2017, 10, 1584-1594.	5.8	134
9	Highly Luminescent and Stable Halide Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 673-681.	8.8	129
10	Amorphous ZnO based resistive random access memory. RSC Advances, 2016, 6, 17867-17872.	1.7	109
11	A Universal Ternaryâ€Solventâ€Ink Strategy toward Efficient Inkjetâ€Printed Perovskite Quantum Dot Lightâ€Emitting Diodes. Advanced Materials, 2022, 34, e2107798.	11.1	109
12	Spaceâ€Confined Growth of CsPbBr₃ Film Achieving Photodetectors with High Performance in All Figures of Merit. Advanced Functional Materials, 2018, 28, 1804394.	7.8	108
13	Mn2+ induced significant improvement and robust stability of radioluminescence in Cs3Cu2I5 for high-performance nuclear battery. Nature Communications, 2021, 12, 3879.	5.8	76
14	Leadâ€Free Halide Double Perovskites: Structure, Luminescence, and Applications. Small Structures, 2021, 2, 2000071.	6.9	71
15	Interfacialâ€Tunnelingâ€Effectâ€Enhanced CsPbBr₃ Photodetectors Featuring High Detectivity and Stability. Advanced Functional Materials, 2019, 29, 1904461.	7.8	70
16	Origin of green luminescence in carbon quantum dots: specific emission bands originate from oxidized carbon groups. New Journal of Chemistry, 2018, 42, 4603-4611.	1.4	58
17	Simple and Fast Patterning Process by Laser Direct Writing for Perovskite Quantum Dots. Advanced Materials Technologies, 2017, 2, 1700132.	3.0	55
18	Highly stable and flexible photodetector arrays based on low dimensional CsPbBr₃ microcrystals and on-paper pencil-drawn electrodes. Journal of Materials Chemistry C, 2017, 5, 7441-7445.	2.7	51

#	Article	IF	Citations
19	Heterogeneous Nucleation toward Polarâ€Solventâ€Free, Fast, and Oneâ€Pot Synthesis of Highly Uniform Perovskite Quantum Dots for Wider Color Gamut Display. Advanced Materials Interfaces, 2018, 5, 1800010.	1.9	49
20	Perovskite photodetectors with both visible-infrared dual-mode response and super-narrowband characteristics towards photo-communication encryption application. Nanoscale, 2018, 10, 359-365.	2.8	32
21	Efficient, Stable, and Tunable Cold/Warm White Light from Leadâ€Free Halide Double Perovskites Cs₂Zr_{1â€x}_xTe_xCl₆. Advanced Optical Materials, 2021, 9, 2100815.	3.6	30
22	CuO/ZnO memristors via oxygen or metal migration controlled by electrodes. AIP Advances, 2016, 6, .	0.6	14