

# Baodan Zhao

## List of Publications by Year in descending order

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31  
papers

3,531  
citations

279798

23  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Stable and Efficient Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2022, 32, 2109495.	14.9	77
2	Tuning Precursor-Amine Interactions for Light-Emitting Lead Bromide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 704-710.	4.6	5
3	Additive and interfacial control for efficient perovskite light-emitting diodes with reduced trap densities. <i>Journal of Semiconductors</i> , 2022, 43, 050502.	3.7	5
4	On the accurate characterization of quantum-dot light-emitting diodes for display applications. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	8
5	Ultralow-voltage operation of light-emitting diodes. <i>Nature Communications</i> , 2022, 13, .	12.8	23
6	Direct Probing of Gap States and Their Passivation in Halide Perovskites by High-Sensitivity, Variable Energy Ultraviolet Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5217-5225.	3.1	12
7	Germanium-lead perovskite light-emitting diodes. <i>Nature Communications</i> , 2021, 12, 4295.	12.8	50
8	Efficient mini/micro-perovskite light-emitting diodes. <i>Cell Reports Physical Science</i> , 2021, 2, 100582.	5.6	8
9	Efficient light-emitting diodes based on oriented perovskite nanoplatelets. <i>Science Advances</i> , 2021, 7, eabg8458.	10.3	68
10	A solvent-based surface cleaning and passivation technique for suppressing ionic defects in high-mobility perovskite field-effect transistors. <i>Nature Electronics</i> , 2020, 3, 694-703.	26.0	99
11	Efficient light-emitting diodes from mixed-dimensional perovskites on a fluoride interface. <i>Nature Electronics</i> , 2020, 3, 704-710.	26.0	143
12	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. <i>Nature</i> , 2020, 587, 594-599.	27.8	135
13	Circularly Polarized Photoluminescence from Chiral Perovskite Thin Films at Room Temperature. <i>ACS Nano</i> , 2020, 14, 7610-7616.	14.6	86
14	The role of photon recycling in perovskite light-emitting diodes. <i>Nature Communications</i> , 2020, 11, 611.	12.8	121
15	Efficient blue light-emitting diodes based on quantum-confined bromide perovskite nanostructures. <i>Nature Photonics</i> , 2019, 13, 760-764.	31.4	483
16	High-Efficiency Dual-Dopant Polymer Light-Emitting Diodes with Ultrafast Inter-fluorophore Energy Transfer. <i>Joule</i> , 2019, 3, 2381-2389.	24.0	29
17	Excitonic Properties of Low-Band-Gap Lead-Tin Halide Perovskites. <i>ACS Energy Letters</i> , 2019, 4, 615-621.	17.4	51
18	Triple-Cation-Based Perovskite Photocathodes with AZO Protective Layer for Hydrogen Production Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23198-23206.	8.0	46

#	ARTICLE	IF	CITATIONS
19	Perovskite LEDs. , 2019, 1, 1-5.		3
20	Lead-Free Perovskite Semiconductors Based on Germanium-Tin Solid Solutions: Structural and Optoelectronic Properties. Journal of Physical Chemistry C, 2018, 122, 5940-5947.	3.1	104
21	Growth of Nanosized Single Crystals for Efficient Perovskite Light-Emitting Diodes. ACS Nano, 2018, 12, 3417-3423.	14.6	109
22	In Situ Atmospheric Deposition of Ultrasmooth Nickel Oxide for Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 41849-41854.	8.0	47
23	High-efficiency perovskite-polymer bulk heterostructure light-emitting diodes. Nature Photonics, 2018, 12, 783-789.	31.4	715
24	Control of Interface Defects for Efficient and Stable Quasi-2D Perovskite Light-Emitting Diodes Using Nickel Oxide Hole Injection Layer. Advanced Science, 2018, 5, 1801350.	11.2	92
25	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. ACS Nano, 2018, 12, 5826-5833.	14.6	56
26	Kinetic Control of Perovskite Thin-Film Morphology and Application in Printable Light-Emitting Diodes. ACS Energy Letters, 2017, 2, 81-87.	17.4	16
27	High Quality Hybrid Perovskite Semiconductor Thin Films with Remarkably Enhanced Luminescence and Defect Suppression via Quaternary Alkyl Ammonium Salt Based Treatment. Advanced Materials Interfaces, 2017, 4, 1700562.	3.7	32
28	High Circular Polarization of Electroluminescence Achieved via Self-Assembly of a Light-Emitting Chiral Conjugated Polymer into Multidomain Cholesteric Films. ACS Nano, 2017, 11, 12713-12722.	14.6	197
29	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. Advanced Materials, 2017, 29, 1604744.	21.0	212
30	Synthesis of ZnO Nanoparticles with Controlled Shapes, Sizes, Aggregations, and Surface Complex Compounds for Tuning or Switching the Photoluminescence. Crystal Growth and Design, 2015, 15, 3144-3149.	3.0	38
31	Blue-Green Color Tunable Solution Processable Organolead Chloride-Bromide Mixed Halide Perovskites for Optoelectronic Applications. Nano Letters, 2015, 15, 6095-6101.	9.1	461