

Zelong Bai

List of Publications by Year in descending order

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27
papers

2,007
citations

623734

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docs citations

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times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Fabrication of Halide Perovskite Nanocrystal-Embedded Polymer Composite Films with Enhanced Photoluminescence for Display Backlights. <i>Advanced Materials</i> , 2016, 28, 9163-9168.	21.0	635
2	Tuning the Luminescence Properties of Colloidal III-VI Semiconductor Nanocrystals for Optoelectronics and Biotechnology Applications. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3167-3175.	4.6	402
3	In Situ Fabricated Perovskite Nanocrystals: A Revolution in Optical Materials. <i>Advanced Optical Materials</i> , 2018, 6, 1800380.	7.3	176
4	Hydroxyl-Terminated CuInS_2 Based Quantum Dots: Toward Efficient and Bright Light Emitting Diodes. <i>Chemistry of Materials</i> , 2016, 28, 1085-1091.	6.7	155
5	Controllable Transformation from Rhombohedral $\text{Cu}_{1.8}\text{S}$ Nanocrystals to Hexagonal CuS Clusters: Phase- and Composition-Dependent Plasmonic Properties. <i>Chemistry of Materials</i> , 2013, 25, 4828-4834.	6.7	135
6	Small GSH-Capped CuInS_2 Quantum Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17623-17629.	8.0	91
7	Aggregation-Induced Emission Features of Organometal Halide Perovskites and Their Fluorescence Probe Applications. <i>Advanced Optical Materials</i> , 2015, 3, 112-119.	7.3	87
8	Highly Stable and Spectrally Tunable Gamma Phase $\text{Rb}_x\text{Cs}_{1-x}\text{Pb}_3$ Gradient-Alloyed Quantum Dots in PMMA Matrix through A Sites Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2008211.	14.9	73
9	Halide perovskite quantum dots: potential candidates for display technology. <i>Science Bulletin</i> , 2015, 60, 1622-1624.	9.0	60
10	Transition from Photoconductivity to Photovoltaic Effect in P3HT/CuInSe_2 Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7280-7286.	3.1	43
11	19: Low Cost Perovskite Quantum Dots Film Based Wide Color Gamut Backlight Unit for LCD TVs. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1657-1659.	0.3	30
12	Highly transparent and colour-tunable composite films with increased quantum dot loading. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10031-10036.	5.5	28
13	Ultralong Homogeneously Alloyed $\text{CdSe}_x\text{S}_{1-x}$ Nanowires with Highly Polarized and Color-Tunable Emissions. <i>Advanced Optical Materials</i> , 2014, 2, 885-891.	7.3	18
14	Alcohol-Soluble Quantum Dots: Enhanced Solution Processability and Charge Injection for Electroluminescence Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-8.	2.9	18
15	Linearly polarized photoluminescence from anisotropic perovskite nanostructures: emerging materials for display technology. <i>Journal of Information Display</i> , 2019, 20, 181-192.	4.0	14
16	Balanced Carrier Injection and Charge Separation of CuInS_2 Quantum Dots for Bifunctional Light-Emitting and Photodetection Devices. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6554-6561.	3.1	12
17	High-Q Microcavity Enhanced Optical Properties of $\text{CuInS}_2/\text{ZnS}$ Colloidal Quantum Dots toward Non-Photodegradation. <i>ACS Photonics</i> , 2017, 4, 369-377.	6.6	9
18	Recombination processes in $\text{CuInS}_2/\text{ZnS}$ nanocrystals during steady-state photoluminescence. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	8

#	ARTICLE	IF	CITATIONS
19	16â€¢4: <i>Lateâ€¢News Paper:</i> High Color Gamut Miniâ€¢LED Backlight Demon based on Dualâ€¢Emissive Perovskite Quantum Dots Films. Digest of Technical Papers SID International Symposium, 2020, 51, 219-221.	0.3	4
20	37.5: Hybrid Backlight System based on Blue, Red LEDs and Perovskite Quantum Dots for Liquid Crystal Display Application. Digest of Technical Papers SID International Symposium, 2019, 50, 411-413.	0.3	3
21	Pâ€¢118: Quantum Dots â€¢Silica Monolith: From Alcohol Soluble Quantum Dots to High Performance Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2018, 49, 1654-1656.	0.3	2
22	75â€¢1: Invited Paper: Hybrid Backlight System based on Blue, Red LEDs and Perovskite Quantum Dots for Liquid Crystal Display Application. Digest of Technical Papers SID International Symposium, 2019, 50, 1064-1066.	0.3	2
23	Pâ€¢80: Intelligent Remote Lightâ€¢Emitting Systems using PMMA and CuInS₂ Nanocrystals Composite Films. Digest of Technical Papers SID International Symposium, 2014, 45, 1285-1287.	0.3	1
24	44.1: Inâ€¢situ Fabrication Strategy of Perovskite Quantum Dots for Novel Display Technology. Digest of Technical Papers SID International Symposium, 2021, 52, 295-295.	0.3	1
25	Colloidal III-VI Semiconductor Nanocrystals for Light-emitting and Display Applications. , 2013, , .		0
26	Pâ€¢101: Inâ€¢situ Fabrication Strategy of Perovskite Quantum Dots for Novel Display Technology. Digest of Technical Papers SID International Symposium, 2020, 51, 1743-1744.	0.3	0
27	62â€¢9: Invited Paper: Hybrid Composite Films with Perovskite Quantum Dots and Red Phosphors for LCD Display Backlights. Digest of Technical Papers SID International Symposium, 2021, 52, 912-913.	0.3	0