

Zelong Bai

List of Publications by Year in descending order

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27
papers

2,007
citations

623734

14
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	44.1: In-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
2	62-9: 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
3	Highly Stable and Spectrally Tunable Gamma Phase Rb _x Cs _{1-x} Pb ₃ Gradient-Alloyed Quantum Dots in PMMA Matrix through A Sites Engineering. Advanced Functional Materials, 2021, 31, 2008211.	14.9	73
4	16-4: Late-News Paper: High Color Gamut Mini-LED Backlight Demon based on Dual-Emissive Perovskite Quantum Dots Films. Digest of Technical Papers SID International Symposium, 2020, 51, 219-221.	0.3	4
5	P-101: In-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
6	Balanced Carrier Injection and Charge Separation of CuInS ₂ Quantum Dots for Bifunctional Light-Emitting and Photodetection Devices. Journal of Physical Chemistry C, 2020, 124, 6554-6561.	3.1	12
7	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
8	Linearly polarized photoluminescence from anisotropic perovskite nanostructures: emerging materials for display technology. Journal of Information Display, 2019, 20, 181-192.	4.0	14
9	75-1: 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
10	P-118: Quantum Dots -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
11	P-119: Low Cost Perovskite Quantum Dots Film Based Wide Color Gamut Backlight Unit for LCD TVs. Digest of Technical Papers SID International Symposium, 2018, 49, 1657-1659.	0.3	30
12	In Situ Fabricated Perovskite Nanocrystals: A Revolution in Optical Materials. Advanced Optical Materials, 2018, 6, 1800380.	7.3	176
13	High-Q Microcavity Enhanced Optical Properties of CuInS ₂ /ZnS Colloidal Quantum Dots toward Non-Photodegradation. ACS Photonics, 2017, 4, 369-377.	6.6	9
14	Alcohol-Soluble Quantum Dots: Enhanced Solution Processability and Charge Injection for Electroluminescence Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	2.9	18
15	Recombination processes in CuInS ₂ /ZnS nanocrystals during steady-state photoluminescence. Applied Physics Letters, 2016, 108, .	3.3	8
16	In Situ Fabrication of Halide Perovskite Nanocrystal-Embedded Polymer Composite Films with Enhanced Photoluminescence for Display Backlights. Advanced Materials, 2016, 28, 9163-9168.	21.0	635
17	Hydroxyl-Terminated CuInS ₂ Based Quantum Dots: Toward Efficient and Bright Light Emitting Diodes. Chemistry of Materials, 2016, 28, 1085-1091.	6.7	155
18	Small GSH-Capped CuInS ₂ Quantum Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. ACS Applied Materials & Interfaces, 2015, 7, 17623-17629.	8.0	91

#	ARTICLE	IF	CITATIONS
19	Halide perovskite quantum dots: potential candidates for display technology. Science Bulletin, 2015, 60, 1622-1624.	9.0	60
20	Aggregation-Induced Emission Features of Organometal Halide Perovskites and Their Fluorescence Probe Applications. Advanced Optical Materials, 2015, 3, 112-119.	7.3	87
21	Ultralong Homogeneously Alloyed CdSe _x S _{1-x} Nanowires with Highly Polarized and Color-Tunable Emissions. Advanced Optical Materials, 2014, 2, 885-891.	7.3	18
22	PP: Intelligent Remote Light-Emitting Systems using PMMA and CuInS ₂ Nanocrystals Composite Films. Digest of Technical Papers SID International Symposium, 2014, 45, 1285-1287.	0.3	1
23	Highly transparent and colour-tunable composite films with increased quantum dot loading. Journal of Materials Chemistry C, 2014, 2, 10031-10036.	5.5	28
24	Controllable Transformation from Rhombohedral Cu _{1.8} S Nanocrystals to Hexagonal CuS Clusters: Phase- and Composition-Dependent Plasmonic Properties. Chemistry of Materials, 2013, 25, 4828-4834.	6.7	135
25	Colloidal III-VI Semiconductor Nanocrystals for Light-emitting and Display Applications. , 2013, , .		0
26	Tuning the Luminescence Properties of Colloidal III-VI Semiconductor Nanocrystals for Optoelectronics and Biotechnology Applications. Journal of Physical Chemistry Letters, 2012, 3, 3167-3175.	4.6	402
27	Transition from Photoconductivity to Photovoltaic Effect in P3HT/CuInSe ₂ Composites. Journal of Physical Chemistry C, 2012, 116, 7280-7286.	3.1	43