

Bingkun Chen

List of Publications by Year in descending order

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32
papers

2,497
citations

331670

21
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414414

32
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docs citations

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times ranked

3591
citing authors

#	ARTICLE	IF	CITATIONS
1	Water resistant CsPbX ₃ nanocrystals coated with polyhedral oligomeric silsesquioxane and their use as solid state luminophores in all-perovskite white light-emitting devices. <i>Chemical Science</i> , 2016, 7, 5699-5703.	7.4	499
2	Highly Emissive and Color-Tunable CuInS ₂ -Based Colloidal Semiconductor Nanocrystals: Off-Stoichiometry Effects and Improved Electroluminescence Performance. <i>Advanced Functional Materials</i> , 2012, 22, 2081-2088.	14.9	449
3	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
4	Integration of CuInS ₂ -based nanocrystals for high efficiency and high colour rendering white light-emitting diodes. <i>Nanoscale</i> , 2013, 5, 3514.	5.6	145
5	From Large-Scale Synthesis to Lighting Device Applications of Ternary III-VI Semiconductor Nanocrystals: Inspiring Greener Material Emitters. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 435-445.	4.6	136
6	Template Synthesis of CuInS ₂ Nanocrystals from In ₂ S ₃ Nanoplates and Their Application as Counter Electrodes in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 5949-5956.	6.7	132
7	Strongly Emissive Lead-Free OD Cs ₃ Cu ₂ I ₅ Perovskites Synthesized by a Room Temperature Solvent Evaporation Crystallization for Down-Conversion Light-Emitting Devices and Fluorescent Inks. <i>Advanced Optical Materials</i> , 2020, 8, 1901723.	7.3	109
8	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9571-9576.	13.8	98
9	Poly(vinylpyrrolidone) supported copper nanoclusters: glutathione enhanced blue photoluminescence for application in phosphor converted light emitting devices. <i>Nanoscale</i> , 2016, 8, 7197-7202.	5.6	97
10	Highly luminescent and stable lead-free cesium copper halide perovskite powders for UV-pumped phosphor-converted light-emitting diodes. <i>Photonics Research</i> , 2020, 8, 768.	7.0	94
11	Reprecipitation synthesis of luminescent CH ₃ NH ₃ PbBr ₃ /NaNO ₃ nanocomposites with enhanced stability. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11387-11391.	5.5	85
12	In Situ Fabrication of Flexible, Thermally Stable, Large-Area, Strongly Luminescent Copper Nanocluster/Polymer Composite Films. <i>Chemistry of Materials</i> , 2017, 29, 10206-10211.	6.7	58
13	Red emissive CuInS ₂ -based nanocrystals: a potential phosphor for warm white light-emitting diodes. <i>Optics Express</i> , 2013, 21, 10105.	3.4	55
14	Water-Soluble Biocompatible Copolymer Hypromellose Grafted Chitosan Able to Load Exogenous Agents and Copper Nanoclusters with Aggregation-Induced Emission. <i>Advanced Functional Materials</i> , 2018, 28, 1802848.	14.9	48
15	Stretchable and Thermally Stable Dual Emission Composite Films of On-Purpose Aggregated Copper Nanoclusters in Carboxylated Polyurethane for Remote White Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33993-33998.	8.0	47
16	Hexagonal Zn _{1-x} Cd _x S (0.2 ≤ x ≤ 1) solid solution photocatalysts for H ₂ generation from water. <i>Catalysis Science and Technology</i> , 2017, 7, 982-987.	4.1	47
17	Mesoporous Aluminum Hydroxide Synthesized by a Single-Source Precursor-Deposition Approach as a High-Quantum-Yield Blue Phosphor for UV-Pumped White-Light-Emitting Diodes. <i>Advanced Materials</i> , 2017, 29, 1604284.	21.0	47
18	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. <i>Angewandte Chemie</i> , 2017, 129, 9699-9704.	2.0	31

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19	Vacancy-Ordered Double Perovskite Rb_2ZrCl_6 - Br_x : Facile Synthesis and Insight into Efficient Intrinsic Self-Trapped Emission. <i>Advanced Optical Materials</i> , 2022, 10, 2101661.	7.3	30
20	General Synthesis and White Light Emission of Diluted Magnetic Semiconductor Nanowires Using Single-Source Precursors. <i>Chemistry of Materials</i> , 2013, 25, 3260-3266.	6.7	24
21	Transparent, flexible and luminescent composite films by incorporating CuInS_2 based quantum dots into a cyanoethyl cellulose matrix. <i>RSC Advances</i> , 2012, 2, 2675.	3.6	23
22	Stability enhancement of $\text{Cs}_3\text{Cu}_2\text{I}_5$ powder with high blue emission realized by Na^+ doping strategy. <i>Journal of Luminescence</i> , 2021, 239, 118333.	3.1	21
23	In Situ Fabrication of Lead-Free $\text{Cs}_3\text{Cu}_2\text{I}_5$ Nanostructures Embedded in Poly(Vinylidene Fluoride) Electrospun Fibers for Polarized Emission. <i>ACS Applied Nano Materials</i> , 2022, 5, 508-516.	5.0	14
24	Template synthesis of silver indium sulfide based nanocrystals performed through cation exchange in organic and aqueous media. <i>Nano Research</i> , 2021, 14, 2321.	10.4	12
25	Conjugated Polymer-Assisted Preparation of CdSe Nanospheres and Their Photovoltaic Properties. <i>Science of Advanced Materials</i> , 2012, 4, 342-345.	0.7	11
26	Single Source Precursor Chemical Vapor Decomposition Method to Fabricate Stable, Bright Emissive Aluminum Hydroxide Phosphors for UV-Pumped White Light-Emitting Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1701115.	7.3	8
27	Defective AgInS/ZnS quantum dots: an oxygen-derived free radical scavenger for mitigating macrophage inflammation. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8971-8979.	5.8	8
28	Phase control in the synthesis of cesium copper iodide compounds for their photoluminescence and radioluminescence study. <i>Journal of Luminescence</i> , 2022, 241, 118482.	3.1	7
29	Blue-violet emitting K_2CuCl_3 compound: facile synthesis, photoluminescence and radioluminescence properties. <i>Journal of Materials Science</i> , 2022, 57, 10260-10270.	3.7	3
30	Light-Emitting Devices: All-Copper Nanocluster Based Down-Conversion White Light-Emitting Devices (<i>Adv. Sci.</i> 11/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	2
31	P80: Intelligent Remote Light-Emitting Systems using PMMA and CuInS_2 Nanocrystals Composite Films. <i>Digest of Technical Papers SID International Symposium</i> , 2014, 45, 1285-1287.	0.3	1
32	Stable blue-emissive aluminum acetylacetonate nanocrystals with high quantum yield of over 80% and embedded in polymer matrix for remote UV-pumped white light-emitting diodes. <i>Nanophotonics</i> , 2020, 9, 1509-1518.	6.0	1