Wei Liu

List of Publications by Year
in descending order

44 papers	1,631 citations	361413 20 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	1465 citing authors

#	Article	IF	Citations
1	Titelbild: Coordinated Anionic Inorganic Moduleâ€"An Efficient Approach Towards Highly Efficient Blueâ€Emitting Copper Halide Ionic Hybrid Structures (Angew. Chem. 8/2022). Angewandte Chemie, 2022, 134, .	2.0	0
2	Fabrication of Nanopore in MoS2-Graphene vdW Heterostructure by Ion Beam Irradiation and the Mechanical Performance. Nanomaterials, 2022, 12, 196.	4.1	8
3	New Copper Bromide Organic-Inorganic Hybrid Molecular Compounds with Anionic Inorganic Core and Cationic Organic Ligands. Crystals, 2022, 12, 19.	2.2	1
4	Coordinated Anionic Inorganic Moduleâ€"An Efficient Approach Towards Highly Efficient Blueâ€Emitting Copper Halide Ionic Hybrid Structures. Angewandte Chemie - International Edition, 2022, 61, .	13.8	27
5	Coordinated Anionic Inorganic Moduleâ€"An Efficient Approach Towards Highly Efficient Blueâ€Emitting Copper Halide Ionic Hybrid Structures. Angewandte Chemie, 2022, 134, .	2.0	4
6	Challenges and Opportunities for the Blue Perovskite Quantum Dot Light-Emitting Diodes. Crystals, 2022, 12, 929.	2.2	6
7	A highly luminescent and stable copper halide ionic hybrid structure with an anionic CuBr₂(tpp)₂ module. Journal of Materials Chemistry C, 2021, 9, 12530-12534.	5.5	8
8	An antimony based organicâ€"inorganic hybrid coating material with high quantum efficiency and thermal quenching effect. Chemical Communications, 2021, 57, 1754-1757.	4.1	18
9	Strategies for optimizing the luminescence and stability of copper iodide organicâ€"inorganic hybrid structures. New Journal of Chemistry, 2021, 45, 10989-10996.	2.8	13
10	SYNTHESIS OF ORGANICâ€"INORGANIC HYBRID COATINGS FOR THE PROTECTION OF ALUMINUM SUBSTRATES. Surface Review and Letters, 2021, 28, 2150033.	1.1	2
11	Copper iodide organic-inorganic hybrid chelating clusters as luminescent coating materials. Inorganica Chimica Acta, 2021, 518, 120241.	2.4	5
12	A New Copper(I) Iodide Based Organic-Inorganic Hybrid Structure with Red Emission. Crystals, 2021, 11, 594.	2.2	1
13	Incorporation of an Emissive Cu₄I₄ Core into Cross-Linked Networks: An Effective Strategy for Luminescent Organicâ€"Inorganic Hybrid Coatings. Inorganic Chemistry, 2021, 60, 15049-15054.	4.0	8
14	Titanium-containing organicâ€"inorganic hybrid coatings for the corrosion protection of copper in sodium chloride medium. Molecular Crystals and Liquid Crystals, 2021, 722, 87-94.	0.9	1
15	Two-Dimensional Copper Iodide-Based Inorganicâ€"Organic Hybrid Semiconductors: Synthesis, Structures, and Optical and Transport Properties. Chemistry of Materials, 2021, 33, 5317-5325.	6.7	26
16	A New Type of Hybrid Copper Iodide as Nontoxic and Ultrastable LED Emissive Layer Material. ACS Energy Letters, 2021, 6, 2565-2574.	17.4	46
17	Strongly emissive white-light-emitting silver iodide based inorganicâ€"organic hybrid structures with comparable quantum efficiency to commercial phosphors. Chemical Communications, 2020, 56, 1481-1484.	4.1	20
18	Crystalline Al₂O₃ modified porous poly(aryl ether ketone) (PAEK) composite separators for high performance lithium-ion batteries via an electrospinning technique. CrystEngComm, 2020, 22, 1577-1585.	2.6	7

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19	Organic-inorganic hybrid anticorrosion coatings with aniline substituted group. Molecular Crystals and Liquid Crystals, 2020, 710, 103-109.	0.9	5
20	Eco-friendly, solution-processable and efficient low-energy lighting phosphors: copper halide based hybrid semiconductors Cu₄X₆(L)₂(X = Br, I) composed of covalent, ionic and coordinate bonds. Journal of Materials Chemistry C, 2020, 8, 16790-16797.	5.5	24
21	Synthesis, structure and photoluminescence properties of three copper(<scp>i</scp>) iodide based inorganicâ€“organic hybrid structures with pyrazine derivatives. New Journal of Chemistry, 2020, 44, 14103-14107.	2.8	7
22	Highly stable silver (I) coordination complex as efficient photocatalyst for the degradation of organic dyes in water. Molecular Crystals and Liquid Crystals, 2020, 702, 110-117.	0.9	1
23	Synthesis, characterization, luminescence properties of copper(I) bromide based coordination compounds. Inorganica Chimica Acta, 2020, 512, 119893.	2.4	4
24	Blue-excitable-yellow-emitting copper iodide inorganic-organic hybrid structure with quinoxaline derivative. Inorganic Chemistry Communication, 2020, 121, 108185.	3.9	0
25	Zero-dimensional ionic antimony halide inorganicâ€“organic hybrid with strong greenish yellow emission. Journal of Materials Chemistry C, 2020, 8, 7300-7303.	5.5	35
26	Review of recent advances in inorganic photoresists. RSC Advances, 2020, 10, 8385-8395.	3.6	73
27	Blending Ionic and Coordinate Bonds in Hybrid Semiconductor Materials: A General Approach toward Robust and Solution-Processable Covalent/Coordinate Network Structures. Journal of the American Chemical Society, 2020, 142, 4242-4253.	13.7	72
28	Enhanced thermal stability and wettability of an electrospun fluorinated poly(aryl ether ketone) fibrous separator for lithium-ion batteries. New Journal of Chemistry, 2020, 44, 3838-3846.	2.8	8
29	Organic-inorganic hybrid corrosion protection coating materials for offshore wind power devices: a mini-review and perspective. Molecular Crystals and Liquid Crystals, 2020, 710, 74-89.	0.9	2
30	A strongly luminescent copper (I) coordination complex with near-unity quantum efficiency. Molecular Crystals and Liquid Crystals, 2020, 709, 54-60.	0.9	2
31	Strongly luminescent inorganicâ€“organic hybrid semiconductors with tunable white light emissions by doping. Journal of Materials Chemistry C, 2019, 7, 1484-1490.	5.5	30
32	Luminescent inorganic-organic hybrid semiconductor materials for energy-saving lighting applications. EnergyChem, 2019, 1, 100008.	19.1	76
33	Copper Iodide Based Hybrid Phosphors for Energyâ€Efficient General Lighting Technologies. Advanced Functional Materials, 2018, 28, 1705593.	14.9	184
34	Effects of an electrospun fluorinated poly(ether ether ketone) separator on the enhanced safety and electrochemical properties of lithium ion batteries. Electrochimica Acta, 2018, 290, 150-164.	5.2	48
35	Anti-corrosion performance of aniline trimer-containing solâ€“gel hybrid coatings for mild steel substrate. Journal of Sol-Gel Science and Technology, 2018, 87, 464-477.	2.4	6
36	A mechanochemical route toward the rational, systematic, and cost-effective green synthesis of strongly luminescent copper iodide based hybrid phosphors. Journal of Materials Chemistry C, 2017, 5, 5962-5969.	5.5	42

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37	All-in-One: Achieving Robust, Strongly Luminescent and Highly Dispersible Hybrid Materials by Combining Ionic and Coordinate Bonds in Molecular Crystals. Journal of the American Chemical Society, 2017, 139, 9281-9290.	13.7	146
38	A Systematic Approach to Achieving High Performance Hybrid Lighting Phosphors with Excellent Thermalâ€•and Photostability. Advanced Functional Materials, 2017, 27, 1603444.	14.9	125
39	Two blue-light excitable yellow-emitting LMOF phosphors constructed by triangular tri(4-pyridylphenyl)amine. Dalton Transactions, 2017, 46, 956-961.	3.3	36
40	Chromophore-immobilized luminescent metalâ€“organic frameworks as potential lighting phosphors and chemical sensors. Chemical Communications, 2016, 52, 10249-10252.	4.1	70
41	High-Performance Blue-Excitable Yellow Phosphor Obtained from an Activated Solvochromic Bismuth-Fluorophore Metalâ€“Organic Framework. Crystal Growth and Design, 2016, 16, 4178-4182.	3.0	50
42	A Family of Highly Efficient CuI-Based Lighting Phosphors Prepared by a Systematic, Bottom-up Synthetic Approach. Journal of the American Chemical Society, 2015, 137, 9400-9408.	13.7	211
43	Systematic Approach in Designing Rare-Earth-Free Hybrid Semiconductor Phosphors for General Lighting Applications. Journal of the American Chemical Society, 2014, 136, 14230-14236.	13.7	169
44	Titanium-containing organicâ€“inorganic hybrid coatings: effect of the amount of the coupling reagent. Molecular Crystals and Liquid Crystals, 0, , 1-8.	0.9	1