

Jierui Yu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

918
citations

471509

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h-index

713466

21
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21
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21
docs citations

21
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-State versus Excited-State Interchromophoric Interaction: Topology Dependent Excimer Contribution in Metal-Organic Framework Photophysics. <i>Journal of the American Chemical Society</i> , 2017, 139, 5973-5983.	13.7	122
2	Excited-State Electronic Properties in Zr-Based Metal-Organic Frameworks as a Function of a Topological Network. <i>Journal of the American Chemical Society</i> , 2018, 140, 10488-10496.	13.7	107
3	Wavelength-Dependent Energy and Charge Transfer in MOF: A Step toward Artificial Porous Light-Harvesting System. <i>Journal of the American Chemical Society</i> , 2019, 141, 16849-16857.	13.7	93
4	Post-Synthetically Elaborated BODIPY-Based Porous Organic Polymers (POPs) for the Photochemical Detoxification of a Sulfur Mustard Simulant. <i>Journal of the American Chemical Society</i> , 2020, 142, 18554-18564.	13.7	88
5	Anthracene-Triphenylamine-Based Platinum(II) Metallacages as Synthetic Light-Harvesting Assembly. <i>Journal of the American Chemical Society</i> , 2021, 143, 2908-2919.	13.7	76
6	Topology-dependent emissive properties of zirconium-based porphyrin MOFs. <i>Chemical Communications</i> , 2016, 52, 13031-13034.	4.1	69
7	Improving Energy Transfer within Metal-Organic Frameworks by Aligning Linker Transition Dipoles along the Framework Axis. <i>Journal of the American Chemical Society</i> , 2020, 142, 11192-11202.	13.7	48
8	Light-Harvesting in Porous Crystalline Compositions: Where We Stand toward Robust Metal-Organic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1841-1854.	6.7	43
9	Controlling Charge-Transport in Metal-Organic Frameworks: Contribution of Topological and Spin-State Variation on the Iron-Porphyrin Centered Redox Hopping Rate. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8814-8822.	2.6	40
10	Light-Harvesting "Antenna" Behavior in NU-1000. <i>ACS Energy Letters</i> , 2021, 6, 848-853.	17.4	40
11	Stimuli-Modulated Metal Oxidation States in Photochromic MOFs. <i>Journal of the American Chemical Society</i> , 2022, 144, 4457-4468.	13.7	37
12	Photoinduced Charge Transfer with a Small Driving Force Facilitated by Exciplex-like Complex Formation in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 15286-15297.	13.7	30
13	The role of photoinduced charge transfer for photocatalysis, photoelectrocatalysis and luminescence sensing in metal-organic frameworks. <i>Dalton Transactions</i> , 2020, 49, 12892-12917.	3.3	23
14	Supramolecular Porous Organic Nanocomposites for Heterogeneous Photocatalysis of a Sulfur Mustard Simulant. <i>Advanced Materials</i> , 2020, 32, e2001592.	21.0	23
15	Superradiance and Directional Exciton Migration in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 1396-1406.	13.7	22
16	Controlled synthesis of Fe_2O_3 nanostructures with the assistance of ionic liquid and their distinct photocatalytic performance under visible-light irradiation. <i>CrystEngComm</i> , 2015, 17, 1210-1218.	2.6	20
17	Self-Assembling Allochroic Nanocatalyst for Improving Nanozyme-Based Immunochemical Assays. <i>ACS Sensors</i> , 2021, 6, 220-228.	7.8	20
18	Charge Transfer within Metal-Organic Frameworks: The Role of Polar Node in the Electrocatalysis and Charge Storage. <i>ECS Transactions</i> , 2018, 85, 559-564.	0.5	6

#	ARTICLE	IF	CITATIONS
19	BODIPY-Based Polymers of Intrinsic Microporosity for the Photocatalytic Detoxification of a Chemical Threat. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12596-12605.	8.0	6
20	Utilization of Synergistic Effect of Dimensionâ€ Differentiated Hierarchical Nanomaterials for Transparent and Flexible Wireless Communicational Elements. <i>Advanced Materials Technologies</i> , 2020, 5, 1901057.	5.8	4