

Penghao Li

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,552
citations

516710

16
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1905
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing volumetric and gravimetric uptake in highly porous materials for clean energy. <i>Science</i> , 2020, 368, 297-303.	12.6	429
2	Hydrogen-Bonded Organic Frameworks: A Rising Class of Porous Molecular Materials. <i>Accounts of Materials Research</i> , 2020, 1, 77-87.	11.7	206
3	Integration of Enzymes and Photosensitizers in a Hierarchical Mesoporous Metal-Organic Framework for Light-Driven CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 1768-1773.	13.7	163
4	Reticular Access to Highly Porous MOFs with Rigid Trigonal Prismatic Linkers for Water Sorption. <i>Journal of the American Chemical Society</i> , 2019, 141, 2900-2905.	13.7	150
5	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1664-1669.	13.8	93
6	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020, 11, 4633.	12.8	82
7	The Effects of Cyclic Conjugation and Bending on the Optoelectronic Properties of Paraphenylenes. <i>Organic Letters</i> , 2014, 16, 182-185.	4.6	73
8	Ligand-Directed Reticular Synthesis of Catalytically Active Missing Zirconium-Based Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 12229-12235.	13.7	58
9	Single-Crystal Polycationic Polymers Obtained by Single-Crystal-to-Single-Crystal Photopolymerization. <i>Journal of the American Chemical Society</i> , 2020, 142, 6180-6187.	13.7	50
10	Investigating the Reactivity of 1,4-Anthracene-Incorporated Cycloparaphenylene. <i>Organic Letters</i> , 2016, 18, 1574-1577.	4.6	49
11	A Molecular Propeller with Three Nanohoop Blades: Synthesis, Characterization, and Solid-State Packing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5237-5241.	13.8	39
12	Assembly of a Porous Supramolecular Polyknot from Rigid Trigonal Prismatic Building Blocks. <i>Journal of the American Chemical Society</i> , 2019, 141, 12998-13002.	13.7	36
13	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie</i> , 2019, 131, 1678-1683.	2.0	29
14	Reticular exploration of uranium-based metal-organic frameworks with hexacarboxylate building units. <i>Nano Research</i> , 2021, 14, 376-380.	10.4	25
15	TetrazineBox: A Structurally Transformative Toolbox. <i>Journal of the American Chemical Society</i> , 2020, 142, 5419-5428.	13.7	23
16	A Molecular Propeller with Three Nanohoop Blades: Synthesis, Characterization, and Solid-State Packing. <i>Angewandte Chemie</i> , 2017, 129, 5321-5325.	2.0	20
17	Controlled Polymerization of Norbornene Cycloparaphenylenes Expands Carbon Nanomaterials Design Space. <i>ACS Central Science</i> , 2021, 7, 1056-1065.	11.3	15
18	Discovery of spontaneous de-interpenetration through charged point-point repulsions. <i>CheM</i> , 2022, 8, 225-242.	11.7	11

#	ARTICLE	IF	CITATIONS
19	Ring-opening metathesis polymerization of a strained stilbene-based macrocyclic monomer. <i>Materials Chemistry Frontiers</i> , 2020, 4, 252-256.	5.9	1