

Yuzhong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,258
citations

516561

16
h-index

677027

22
g-index

28
all docs

28
docs citations

28
times ranked

3714
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of reticular chemistry in the design of CO ₂ reduction catalysts. <i>Nature Materials</i> , 2018, 17, 301-307.	13.3	552
2	Weaving of organic threads into a crystalline covalent organic framework. <i>Science</i> , 2016, 351, 365-369.	6.0	427
3	Untangling Amyloid- β , Tau, and Metals in Alzheimer's Disease. <i>ACS Chemical Biology</i> , 2013, 8, 856-865.	1.6	329
4	Biofuels for a sustainable future. <i>Cell</i> , 2021, 184, 1636-1647.	13.5	156
5	The geometry of periodic knots, polycatenanes and weaving from a chemical perspective: a library for reticular chemistry. <i>Chemical Society Reviews</i> , 2018, 47, 4642-4664.	18.7	126
6	Molecular Weaving of Covalent Organic Frameworks for Adaptive Guest Inclusion. <i>Journal of the American Chemical Society</i> , 2018, 140, 16015-16019.	6.6	107
7	3D Covalent Organic Frameworks of Interlocking 1D Square Ribbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 677-683.	6.6	94
8	Genome-scale metabolic rewiring improves titers rates and yields of the non-native product indigoidine at scale. <i>Nature Communications</i> , 2020, 11, 5385.	5.8	67
9	Sustainable bioproduction of the blue pigment indigoidine: Expanding the range of heterologous products in <i>R. toruloides</i> to include non-ribosomal peptides. <i>Green Chemistry</i> , 2019, 21, 3394-3406.	4.6	57
10	Fatty Acid and Alcohol Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	52
11	A small molecule that displays marked reactivity toward copper versus zinc amyloid- β implicated in Alzheimer's disease. <i>Chemical Communications</i> , 2014, 50, 5301-5303.	2.2	49
12	Coordinative Alignment in the Pores of MOFs for the Structural Determination of N-, S-, and P-Containing Organic Compounds Including Complex Chiral Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 18862-18869.	6.6	49
13	Leveraging host metabolism for bisdemethoxycurcumin production in <i>Pseudomonas putida</i> . <i>Metabolic Engineering Communications</i> , 2020, 10, e00119.	1.9	41
14	Biosynthesis of polycyclopropanated high energy biofuels. <i>Joule</i> , 2022, 6, 1590-1605.	11.7	38
15	Reactivity of Diphenylpropynone Derivatives Toward Metal-Associated Amyloid- β Species. <i>Inorganic Chemistry</i> , 2012, 51, 12959-12967.	1.9	36
16	Tuning Reactivity of Diphenylpropynone Derivatives with Metal-Associated Amyloid- β Species via Structural Modifications. <i>Inorganic Chemistry</i> , 2013, 52, 8121-8130.	1.9	29
17	Chemoinformatic-Guided Engineering of Polyketide Synthases. <i>Journal of the American Chemical Society</i> , 2020, 142, 9896-9901.	6.6	13
18	An iron (II) dependent oxygenase performs the last missing step of plant lysine catabolism. <i>Nature Communications</i> , 2020, 11, 2931.	5.8	11

#	ARTICLE	IF	CITATIONS
19	Regular Figures, Minimal Transitivity, and Reticular Chemistry. Israel Journal of Chemistry, 2018, 58, 962-970.	1.0	9
20	Metal coordination as a template strategy to make resilient woven materials. Bulletin of Japan Society of Coordination Chemistry, 2018, 71, 12-17.	0.1	3
21	Correction for Thompson et al., "Fatty Acid and Alcohol Metabolism in Pseudomonas putida: Functional Analysis Using Random Barcode Transposon Sequencing". Applied and Environmental Microbiology, 2021, 87, .	1.4	0