

# Yuzhong Liu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

1,540  
citations

16  
h-index

28  
g-index

28  
ext. papers

1,958  
ext. citations

16.4  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
22	The role of reticular chemistry in the design of CO reduction catalysts. <i>Nature Materials</i> , <b>2018</b> , 17, 301-307	37.7	405
21	Weaving of organic threads into a crystalline covalent organic framework. <i>Science</i> , <b>2016</b> , 351, 365-9	33.3	307
20	Untangling amyloid- $\tau$ , and metals in Alzheimer's disease. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 856-65	4.9	267
19	The geometry of periodic knots, polycatenanes and weaving from a chemical perspective: a library for reticular chemistry. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4642-4664	58.5	94
18	Correction for Thompson et al., Fatty Acid and Alcohol Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87,	4.8	78
17	Molecular Weaving of Covalent Organic Frameworks for Adaptive Guest Inclusion. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16015-16019	16.4	56
16	3D Covalent Organic Frameworks of Interlocking 1D Square Ribbons. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 677-683	16.4	54
15	A small molecule that displays marked reactivity toward copper- versus zinc-amyloid- $\tau$ implicated in Alzheimer's disease. <i>Chemical Communications</i> , <b>2014</b> , 50, 5301-3	5.8	45
14	Reactivity of diphenylpropynone derivatives toward metal-associated amyloid- $\beta$ species. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 12959-67	5.1	32
13	Biofuels for a sustainable future. <i>Cell</i> , <b>2021</b> , 184, 1636-1647	56.2	32
12	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> , <b>2019</b> , 21, 3394-3406	10	31
11	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> , <b>2019</b> , 141, 18862-18869	16.4	28
10	Tuning reactivity of diphenylpropynone derivatives with metal-associated amyloid- $\beta$ species via structural modifications. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8121-30	5.1	25
9	Genome-scale metabolic rewiring improves titers rates and yields of the non-native product indigoidine at scale. <i>Nature Communications</i> , <b>2020</b> , 11, 5385	17.4	25
8	Leveraging host metabolism for bisdemethoxycurcumin production in. <i>Metabolic Engineering Communications</i> , <b>2020</b> , 10, e00119	6.5	19
7	Fatty Acid and Alcohol Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	16
6	Regular Figures, Minimal Transitivity, and Reticular Chemistry. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 962-970		6

5	Chemoinformatic-Guided Engineering of Polyketide Synthases. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9896-9901	16.4	5
4	Genome-scale metabolic rewiring to achieve predictable titers rates and yield of a non-native product at scale		3
3	An iron (II) dependent oxygenase performs the last missing step of plant lysine catabolism. <i>Nature Communications</i> , <b>2020</b> , 11, 2931	17.4	2
2	Metal coordination as a template strategy to make resilient woven materials. <i>Bulletin of Japan Society of Coordination Chemistry</i> , <b>2018</b> , 71, 12-17	0.3	2
1	First woven covalent organic framework solved using electron crystallography <b>2016</b> , 637-638		1