

Song Yang

List of Publications by Year in descending order

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13
papers

344
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast rotation in an amphidynamic crystalline metal organic framework. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13613-13618.	7.1	74
2	Influence of water and enzyme SpnF on the dynamics and energetics of the ambimodal [6+4]/[4+2] cycloaddition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E848-E855.	7.1	57
3	Crystal Fluidity Reflected by Fast Rotational Motion at the Core, Branches, and Peripheral Aromatic Groups of a Dendrimeric Molecular Rotor. Journal of the American Chemical Society, 2016, 138, 4650-4656.	13.7	53
4	Structural basis of the Cope rearrangement and cyclization in hapalindole biogenesis. Nature Chemical Biology, 2018, 14, 345-351.	8.0	34
5	Inverted Binding of Non-natural Substrates in Strictosidine Synthase Leads to a Switch of Stereochemical Outcome in Enzyme-Catalyzed Pictet-Spengler Reactions. Journal of the American Chemical Society, 2020, 142, 792-800.	13.7	33
6	Synthesis of Diverse 11- and 12-Membered Macrolactones from a Common Linear Substrate Using a Single Biocatalyst. ACS Central Science, 2017, 3, 1304-1310.	11.3	21
7	Computational-Based Mechanistic Study and Engineering of Cytochrome P450 MycG for Selective Oxidation of 16-Membered Macrolide Antibiotics. Journal of the American Chemical Society, 2020, 142, 17981-17988.	13.7	19
8	Computational Investigation of the Mechanism of Diels-Alderase PyrI4. Journal of the American Chemical Society, 2020, 142, 20232-20239.	13.7	18
9	Enhanced Gearing Fidelity Achieved Through Macrocyclization of a Solvated Molecular Spur Gear. Journal of the American Chemical Society, 2021, 143, 7740-7747.	13.7	12
10	Exploring the molecular basis for substrate specificity in homologous macrolide biosynthetic cytochromes P450. Journal of Biological Chemistry, 2019, 294, 15947-15961.	3.4	8
11	Molecular Spur Gears with Triptycene Rotators and a Norbornane-Based Stator. Organic Letters, 2020, 22, 4049-4052.	4.6	8
12	Mechanism of the Stereoselective Catalysis of Diels-Alderase PyrE3 Involved in Pyrroindomycin Biosynthesis. Journal of the American Chemical Society, 2022, 144, 5099-5107.	13.7	7
13	Comparative Analysis of Bacterial Cytochromes P450 Involved in the Biosynthesis of 16-Membered Ring Macrolide Antibiotics. FASEB Journal, 2018, 32, 529.4.	0.5	0