

Shenshen Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12072945/publications.pdf>

Version: 2024-02-01

13
papers

523
citations

933447

10
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative kinetic isotope effects on first- and second-order rate constants of soybean lipoxygenase variants uncover a substrate-binding network. <i>Journal of Biological Chemistry</i> , 2019, 294, 18069-18076.	3.4	7
2	Biophysical Characterization of a Disabled Double Mutant of Soybean Lipoxygenase: The "Undoing" of Precise Substrate Positioning Relative to Metal Cofactor and an Identified Dynamical Network. <i>Journal of the American Chemical Society</i> , 2019, 141, 1555-1567.	13.7	19
3	HOW CLOSE ARE WE TO EXPLAINING ENZYME CATALYSIS?. , 2018, , .		0
4	Enhanced Rigidification within a Double Mutant of Soybean Lipoxygenase Provides Experimental Support for Vibronically Nonadiabatic Proton-Coupled Electron Transfer Models. <i>ACS Catalysis</i> , 2017, 7, 3569-3574.	11.2	49
5	Hydrogen-Deuterium Exchange of Lipoxygenase Uncovers a Relationship between Distal, Solvent Exposed Protein Motions and the Thermal Activation Barrier for Catalytic Proton-Coupled Electron Tunneling. <i>ACS Central Science</i> , 2017, 3, 570-579.	11.3	55
6	Origins of Enzyme Catalysis: Experimental Findings for C-H Activation, New Models, and Their Relevance to Prevailing Theoretical Constructs. <i>Journal of the American Chemical Society</i> , 2017, 139, 18409-18427.	13.7	56
7	Hydrostatic Pressure Studies Distinguish Global from Local Protein Motions in C-H Activation by Soybean Lipoxygenase. <i>Angewandte Chemie</i> , 2016, 128, 9507-9510.	2.0	1
8	Hydrostatic Pressure Studies Distinguish Global from Local Protein Motions in C-H Activation by Soybean Lipoxygenase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9361-9364.	13.8	14
9	Extremely Elevated Room-Temperature Kinetic Isotope Effects Quantify the Critical Role of Barrier Width in Enzymatic C-H Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 8157-8160.	13.7	83
10	Chiral Primary Amine Catalyzed Asymmetric Direct Cross-Aldol Reaction of Acetaldehyde. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3347-3352.	2.4	46
11	Asymmetric Supramolecular Primary Amine Catalysis in Aqueous Buffer: Connections of Selective Recognition and Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 7216-7228.	13.7	101
12	Chiral Amine Thiourea-Promoted Enantioselective Michael Addition Reactions of 3-Substituted Benzofuran-2(3 <i>H</i>)-ones to Maleimides. <i>Journal of Organic Chemistry</i> , 2010, 75, 8697-8700.	3.2	67
13	Chiral Amine-Polyoxometalate Hybrids as Recoverable Asymmetric Enamine Catalysts under Neat and Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 132-140.	2.4	23