

Nihan Celebi Aelebi-Ã-lÃ§Ã¼m

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,943
citations

430874

18
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2736
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Mechanical Investigations of Organocatalysis: Mechanisms, Reactivities, and Selectivities. <i>Chemical Reviews</i> , 2011, 111, 5042-5137.	47.7	489
2	Computational Enzyme Design. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5700-5725.	13.8	413
3	Bifurcations on Potential Energy Surfaces of Organic Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7592-7601.	13.8	316
4	Lewis Acid Catalysis Alters the Shapes and Products of Bis-Pericyclic Diels-Alder Transition States. <i>Journal of the American Chemical Society</i> , 2007, 129, 4528-4529.	13.7	75
5	Computational Design of Enone-Binding Proteins with Catalytic Activity for the Morita-Baylis-Hillman Reaction. <i>ACS Chemical Biology</i> , 2013, 8, 749-757.	3.4	75
6	Rapid Catalyst Identification for the Synthesis of the Pyrimidinone Core of HIV Integrase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6912-6915.	13.8	57
7	Why Do Some Fischer Indolizations Fail?. <i>Journal of the American Chemical Society</i> , 2011, 133, 5752-5755.	13.7	54
8	Effect of Lewis Acid Catalysts on Diels-Alder and Hetero-Diels-Alder Cycloadditions Sharing a Common Transition State. <i>Journal of Organic Chemistry</i> , 2008, 73, 7472-7480.	3.2	52
9	A motif for reversible nitric oxide interactions in metalloenzymes. <i>Nature Chemistry</i> , 2016, 8, 663-669.	13.6	46
10	Pericyclic Cascade with Chirality Transfer: Reaction Pathway and Origin of Enantioselectivity of the Hetero-Claisen Approach to Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11478-11482.	13.8	45
11	Spiroligozymes for Transesterifications: Design and Relationship of Structure to Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 18345-18353.	13.7	41
12	Distributed polarizabilities derived from induction energies: A finite perturbation approach. <i>Journal of Chemical Physics</i> , 2000, 112, 2709-2717.	3.0	40
13	Copper(I) Nitrosyls from Reaction of Copper(II) Thiolates with <i>S</i> -Nitrosothiols: Mechanism of NO Release from RSNOs at Cu. <i>Journal of the American Chemical Society</i> , 2013, 135, 16746-16749.	13.7	33
14	An asymmetric pericyclic cascade approach to 3-alkyl-3-aryloxindoles: generality, applications and mechanistic investigations. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1807-1817.	2.8	30
15	Mechanism and Selectivity of Cinchona Alkaloid Catalyzed [1,3]-Shifts of Allylic Trichloroacetimidates. <i>Journal of Organic Chemistry</i> , 2009, 74, 6944-6952.	3.2	28
16	Synthesis and photopolymerizations of new phosphonated monomers for dental applications. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2290-2299.	2.3	23
17	Origins of the diastereoselectivity in hydrogen bonding directed Diels-Alder reactions of chiral dienes with achiral dienophiles: a computational study. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8079.	2.8	18
18	Understanding the Stereoselection Induced by Chiral Anthracene Templates in Diels-Alder Cycloaddition: A DFT Study. <i>Journal of Organic Chemistry</i> , 2009, 74, 2328-2336.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Rapid computational evaluation of small molecule hydrolase mimics for preorganized H $\tilde{\text{A}}\tilde{\text{C}}$ bond networks. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26423.	2.0	1
20	Morita $\tilde{\text{A}}\tilde{\text{E}}$ Baylis $\tilde{\text{A}}\tilde{\text{E}}$ Hillman reaction: how do optimal enzyme active sites compare with organocatalysts. <i>Catalysis Science and Technology</i> , 2023, 13, 329-341.	4.1	1