Nihan Celebi Ãelebi-Ã–lÃ§Ã¼m

List of Publications by Year
in descending order

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	Moritaâ€“Baylisâ€“Hillman reaction: how do optimal enzyme active sites compare with organocatalysts. Catalysis Science and Technology, 2023, 13, 329-341.	4.1	1
2	Rapid computational evaluation of smallâ€molecule hydrolase mimics for preorganized Hâ€bond networks. International Journal of Quantum Chemistry, 2021, 121, e26423.	2.0	1
3	A motif for reversible nitric oxide interactions in metalloenzymes. Nature Chemistry, 2016, 8, 663-669.	13.6	46
4	An asymmetric pericyclic cascade approach to 3-alkyl-3-aryloxindoles: generality, applications and mechanistic investigations. Organic and Biomolecular Chemistry, 2015, 13, 1807-1817.	2.8	30
5	Computational Design of Enone-Binding Proteins with Catalytic Activity for the Moritaâ€“Baylisâ€“Hillman Reaction. ACS Chemical Biology, 2013, 8, 749-757.	3.4	75
6	Copper(I) Nitrosyls from Reaction of Copper(II) Thiolates with S-Nitrosothiols: Mechanism of NO Release from RSNOs at Cu. Journal of the American Chemical Society, 2013, 135, 16746-16749.	13.7	33
7	Computational Enzyme Design. Angewandte Chemie - International Edition, 2013, 52, 5700-5725.	13.8	413
8	Spiroligozymes for Transesterifications: Design and Relationship of Structure to Activity. Journal of the American Chemical Society, 2012, 134, 18345-18353.	13.7	41
9	Rapid Catalyst Identification for the Synthesis of the Pyrimidinone Core of HIV Integrase Inhibitors. Angewandte Chemie - International Edition, 2012, 51, 6912-6915.	13.8	57
10	Origins of the diastereoselectivity in hydrogen bonding directed Dielsâ€“Alder reactions of chiral dienes with achiral dienophiles: a computational study. Organic and Biomolecular Chemistry, 2011, 9, 8079.	2.8	18
11	Why Do Some Fischer Indolizations Fail?. Journal of the American Chemical Society, 2011, 133, 5752-5755.	13.7	54
12	Quantum Mechanical Investigations of Organocatalysis: Mechanisms, Reactivities, and Selectivities. Chemical Reviews, 2011, 111, 5042-5137.	47.7	489
13	Pericyclic Cascade with Chirality Transfer: Reaction Pathway and Origin of Enantioselectivity of the Heteroâ€Claisen Approach to Oxindoles. Angewandte Chemie - International Edition, 2011, 50, 11478-11482.	13.8	45
14	Understanding the Stereoselection Induced by Chiral Anthracene Templates in Dielsâ^'Alder Cycloaddition: A DFT Study. Journal of Organic Chemistry, 2009, 74, 2328-2336.	3.2	11
15	Mechanism and Selectivity of Cinchona Alkaloid Catalyzed [1,3]-Shifts of Allylic Trichloroacetimidates. Journal of Organic Chemistry, 2009, 74, 6944-6952.	3.2	28
16	Synthesis and photopolymerizations of new phosphonated monomers for dental applications. Journal of Polymer Science Part A, 2008, 46, 2290-2299.	2.3	23
17	Bifurcations on Potential Energy Surfaces of Organic Reactions. Angewandte Chemie - International Edition, 2008, 47, 7592-7601.	13.8	316
18	Effect of Lewis Acid Catalysts on Dielsâ^'Alder and Hetero-Dielsâ^'Alder Cycloadditions Sharing a Common Transition State. Journal of Organic Chemistry, 2008, 73, 7472-7480.	3.2	52

#	Article	IF	Citations
19	Lewis Acid Catalysis Alters the Shapes and Products of Bis-Pericyclic Dielsâ^'Alder Transition States. Journal of the American Chemical Society, 2007, 129, 4528-4529.	13.7	75
20	Distributed polarizabilities derived from induction energies: A finite perturbation approach. Journal of Chemical Physics, 2000, 112, 2709-2717.	3.0	40