Andrea Hamza

List of Publications by Year in descending order

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ΔΝΟΡΕΛ ΗΛΜΖΑ

#	Article	IF	CITATIONS
1	Unveiling a key catalytic pocket for the ruthenium NHC-catalysed asymmetric heteroarene hydrogenation. Chemical Science, 2022, 13, 985-995.	7.4	12
2	Two Faces of the Two-Phase Thermodynamic Model. Journal of Chemical Theory and Computation, 2021, 17, 7187-7194.	5.3	1
3	Origin of Stereoselectivity in FLP-Catalyzed Asymmetric Hydrogenation of Imines. ACS Catalysis, 2020, 10, 14290-14301.	11.2	24
4	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of γâ€Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. Angewandte Chemie, 2020, 132, 13581-13585.	2.0	5
5	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of γâ€Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. Angewandte Chemie - International Edition, 2020, 59, 13479-13483.	13.8	24
6	Two- and three-body, and relaxation energy terms in water clusters: Application of the hierarchical BSSE corrected decomposition scheme. Journal of Molecular Liquids, 2019, 285, 171-177.	4.9	9
7	RuBisCOâ€Inspired CO ₂ Activation and Transformation by an Iridium(I) Complex. Angewandte Chemie - International Edition, 2018, 57, 2455-2458.	13.8	16
8	Stereocontrol in Diphenylprolinol Silyl Ether Catalyzed Michael Additions: Steric Shielding or Curtin–Hammett Scenario?. Journal of the American Chemical Society, 2017, 139, 17052-17063.	13.7	29
9	Folding Patterns in a Family of Oligoamide Foldamers. Chemistry - A European Journal, 2015, 21, 9493-9504.	3.3	16
10	Structural characterization of dinuclear gold(I) diphosphine complexes with anion-triggered luminescence. Structural Chemistry, 2015, 26, 1377-1387.	2.0	8
11	Superstable Palladium(0) Complex as an Air―and Thermostable Catalyst for Suzuki Coupling Reactions. European Journal of Organic Chemistry, 2015, 2015, 60-66.	2.4	19
12	On the Mechanism of Bifunctional Squaramide atalyzed Organocatalytic Michael Addition: A Protonated Catalyst as an Oxyanion Hole. Chemistry - A European Journal, 2014, 20, 5631-5639.	3.3	103
13	Mukaiyama–Michael Reactions with <i>trans</i> â€2,5â€Diarylpyrrolidine Catalysts: Enantioselectivity Arises from Attractive Noncovalent Interactions, Not from Steric Hindrance. Chemistry - A European Journal, 2014, 20, 5983-5993.	3.3	48
14	A stimuli-responsive double-stranded digold(<scp>i</scp>) helicate. CrystEngComm, 2014, 16, 3192-3202.	2.6	26
15	Reactivity Models of Hydrogen Activation by Frustrated Lewis Pairs: Synergistic Electron Transfers or Polarization by Electric Field?. Journal of the American Chemical Society, 2013, 135, 4425-4437.	13.7	193
16	Copper(II)-Binding Ability of Stereoisomeric <i>cis-</i> and <i>trans</i> -2-Aminocyclohexanecarboxylic Acid– <scp>l</scp> -Phenylalanine Dipeptides. A Combined CW/Pulsed EPR and DFT Study. Inorganic Chemistry, 2012, 51, 1386-1399.	4.0	21
17	Stereoelectronic Requirements for Optimal Hydrogenâ€Bondâ€Catalyzed Enolization. Chemistry - A European Journal, 2011, 17, 2859-2866.	3.3	15
18	Mechanism of hydrogen activation by frustrated Lewis pairs: A molecular orbital approach. International Journal of Quantum Chemistry, 2009, 109, 2416-2425.	2.0	124

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19	Rationalizing the Reactivity of Frustrated Lewis Pairs: Thermodynamics of H ₂ Activation and the Role of Acidâ^Base Properties. Journal of the American Chemical Society, 2009, 131, 10701-10710.	13.7	303
20	On the Mechanism of B(C ₆ F ₅) ₃ -Catalyzed Direct Hydrogenation of Imines: Inherent and Thermally Induced Frustration. Journal of the American Chemical Society, 2009, 131, 2029-2036.	13.7	247
21	Turning Frustration into Bond Activation: A Theoretical Mechanistic Study on Heterolytic Hydrogen Splitting by Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2008, 47, 2435-2438.	13.8	364
22	Concerted attack of frustrated Lewis acid–base pairs on olefinic double bonds: a theoretical study. Chemical Communications, 2008, , 3148.	4.1	106
23	Computing Reliable Energetics for Conjugate Addition Reactions. Organic Letters, 2007, 9, 4279-4282.	4.6	67
24	Theoretical Studies on the Bifunctionality of Chiral Thiourea-Based Organocatalysts:Â Competing Routes to Câ^C Bond Formation. Journal of the American Chemical Society, 2006, 128, 13151-13160.	13.7	408
25	Atomic decomposition of identity: General formalism for population analysis and energy decomposition. International Journal of Quantum Chemistry, 2005, 103, 798-807.	2.0	33
26	Physical analysis of the diatomic "chemical" energy components. Theoretical Chemistry Accounts, 2003, 109, 91-98.	1.4	16
27	NMR spectroscopic studies of some fused thiazoloazinium ring system containing bridgehead-nitrogen atom. Journal of Molecular Structure, 2003, 651-653, 295-300.	3.6	2
28	Interatomic exchange energy components. International Journal of Quantum Chemistry, 2003, 92, 174-180.	2.0	10
29	Second-order energy components in basis-set-superposition-error-free intermolecular perturbation theory. Theoretical Chemistry Accounts, 2001, 107, 38-47.	1.4	7
30	Energy decomposition in the topological theory of atoms in molecules and in the linear combination of atomic orbitals formalism: a note. Theoretical Chemistry Accounts, 2001, 105, 360-364.	1.4	37