

# Andrea Hamza

## List of Publications by Year in descending order

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30  
papers

2,409  
citations

448610

19  
h-index

488211

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling a key catalytic pocket for the ruthenium NHC-catalysed asymmetric heteroarene hydrogenation. <i>Chemical Science</i> , 2022, 13, 985-995.	3.7	12
2	Two Faces of the Two-Phase Thermodynamic Model. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 7187-7194.	2.3	1
3	Origin of Stereoselectivity in FLP-Catalyzed Asymmetric Hydrogenation of Imines. <i>ACS Catalysis</i> , 2020, 10, 14290-14301.	5.5	24
4	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of $\beta$ -Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. <i>Angewandte Chemie</i> , 2020, 132, 13581-13585.	1.6	5
5	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of $\beta$ -Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13479-13483.	7.2	24
6	Two- and three-body, and relaxation energy terms in water clusters: Application of the hierarchical BSSE corrected decomposition scheme. <i>Journal of Molecular Liquids</i> , 2019, 285, 171-177.	2.3	9
7	RuBisCO $\alpha$ -inspired CO <sub>2</sub> Activation and Transformation by an Iridium(I) Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2455-2458.	7.2	16
8	Stereocontrol in Diphenylprolinol Silyl Ether Catalyzed Michael Additions: Steric Shielding or Curtin-Hammett Scenario?. <i>Journal of the American Chemical Society</i> , 2017, 139, 17052-17063.	6.6	29
9	Folding Patterns in a Family of Oligoamide Foldamers. <i>Chemistry - A European Journal</i> , 2015, 21, 9493-9504.	1.7	16
10	Structural characterization of dinuclear gold(I) diphosphine complexes with anion-triggered luminescence. <i>Structural Chemistry</i> , 2015, 26, 1377-1387.	1.0	8
11	Superstable Palladium(0) Complex as an Air- and Thermostable Catalyst for Suzuki Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 60-66.	1.2	19
12	On the Mechanism of Bifunctional Squaramide-Catalyzed Organocatalytic Michael Addition: A Protonated Catalyst as an Oxyanion Hole. <i>Chemistry - A European Journal</i> , 2014, 20, 5631-5639.	1.7	103
13	Mukaiyama-Michael Reactions with <i>trans</i> - $\epsilon$ -Diarylpyrrolidine Catalysts: Enantioselectivity Arises from Attractive Noncovalent Interactions, Not from Steric Hindrance. <i>Chemistry - A European Journal</i> , 2014, 20, 5983-5993.	1.7	48
14	A stimuli-responsive double-stranded digold( $\mu$ ) <sub>2</sub> helicate. <i>CrystEngComm</i> , 2014, 16, 3192-3202.	1.3	26
15	Reactivity Models of Hydrogen Activation by Frustrated Lewis Pairs: Synergistic Electron Transfers or Polarization by Electric Field?. <i>Journal of the American Chemical Society</i> , 2013, 135, 4425-4437.	6.6	193
16	Copper(II)-Binding Ability of Stereoisomeric <i>cis</i> - and <i>trans</i> -2-Aminocyclohexanecarboxylic Acid- $\alpha$ -Phenylalanine Dipeptides. A Combined CW/Pulsed EPR and DFT Study. <i>Inorganic Chemistry</i> , 2012, 51, 1386-1399.	1.9	21
17	Stereoelectronic Requirements for Optimal Hydrogen-Bond-Catalyzed Enolization. <i>Chemistry - A European Journal</i> , 2011, 17, 2859-2866.	1.7	15
18	Mechanism of hydrogen activation by frustrated Lewis pairs: A molecular orbital approach. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 2416-2425.	1.0	124

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19	Rationalizing the Reactivity of Frustrated Lewis Pairs: Thermodynamics of H <sub>2</sub> Activation and the Role of Acid-Base Properties. <i>Journal of the American Chemical Society</i> , 2009, 131, 10701-10710.	6.6	303
20	On the Mechanism of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed Direct Hydrogenation of Imines: Inherent and Thermally Induced Frustration. <i>Journal of the American Chemical Society</i> , 2009, 131, 2029-2036.	6.6	247
21	Turning Frustration into Bond Activation: A Theoretical Mechanistic Study on Heterolytic Hydrogen Splitting by Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2435-2438.	7.2	364
22	Concerted attack of frustrated Lewis acid-base pairs on olefinic double bonds: a theoretical study. <i>Chemical Communications</i> , 2008, , 3148.	2.2	106
23	Computing Reliable Energetics for Conjugate Addition Reactions. <i>Organic Letters</i> , 2007, 9, 4279-4282.	2.4	67
24	Theoretical Studies on the Bifunctionality of Chiral Thiourea-Based Organocatalysts: A Competing Routes to C-C Bond Formation. <i>Journal of the American Chemical Society</i> , 2006, 128, 13151-13160.	6.6	408
25	Atomic decomposition of identity: General formalism for population analysis and energy decomposition. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 798-807.	1.0	33
26	Physical analysis of the diatomic "chemical" energy components. <i>Theoretical Chemistry Accounts</i> , 2003, 109, 91-98.	0.5	16
27	NMR spectroscopic studies of some fused thiazoloazinium ring system containing bridgehead-nitrogen atom. <i>Journal of Molecular Structure</i> , 2003, 651-653, 295-300.	1.8	2
28	Interatomic exchange energy components. <i>International Journal of Quantum Chemistry</i> , 2003, 92, 174-180.	1.0	10
29	Second-order energy components in basis-set-superposition-error-free intermolecular perturbation theory. <i>Theoretical Chemistry Accounts</i> , 2001, 107, 38-47.	0.5	7
30	Energy decomposition in the topological theory of atoms in molecules and in the linear combination of atomic orbitals formalism: a note. <i>Theoretical Chemistry Accounts</i> , 2001, 105, 360-364.	0.5	37