Niklas von Wolff

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1489306/publications.pdf

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18	826	623734	839539
papers	citations	14 h-index	18 g-index

23	23	23	1172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implications of CO₂ Activation by Frustrated Lewis Pairs in the Catalytic Hydroboration of CO₂: A View Using N/Si⁺ Frustrated Lewis Pairs. ACS Catalysis, 2016, 6, 4526-4535.	11.2	115
2	Ethylene glycol as an efficient and reversible liquid-organic hydrogen carrier. Nature Catalysis, 2019, 2, 415-422.	34.4	102
3	Hydrogenative Depolymerization of Nylons. Journal of the American Chemical Society, 2020, 142, 14267-14275.	13.7	101
4	Autocatalytic Intermolecular versus Intramolecular Deprotonation in Cï£¿H Bond Activation of Functionalized Arenes by Ruthenium(II) or Palladium(II) Complexes. Chemistry - A European Journal, 2013, 19, 7595-7604.	3.3	85
5	Synthesis of Aromatic Sulfones from SO₂ and Organosilanes Under Metalâ€free Conditions. Angewandte Chemie - International Edition, 2017, 56, 5616-5619.	13.8	77
6	Oxidative Addition of Haloheteroarenes to Palladium(0): Concerted versus S_NArâ€Type Mechanism. Chemistry - A European Journal, 2015, 21, 7858-7865.	3.3	56
7	Iron Porphyrin Allows Fast and Selective Electrocatalytic Conversion of CO₂ to CO in a Flow Cell. Chemistry - A European Journal, 2020, 26, 3034-3038.	3.3	52
8	Formamides as Isocyanate Surrogates: A Mechanistically Driven Approach to the Development of Atom-Efficient, Selective Catalytic Syntheses of Ureas, Carbamates, and Heterocycles. Journal of the American Chemical Society, 2019, 141, 16486-16493.	13.7	47
9	Pyridine-Based PCP-Ruthenium Complexes: Unusual Structures and Metalâ€“Ligand Cooperation. Journal of the American Chemical Society, 2019, 141, 7554-7561.	13.7	32
10	CO₂ Conversion into Esters by Fluorideâ€Mediated Carboxylation of Organosilanes and Halide Derivatives. Chemistry - A European Journal, 2016, 22, 2930-2934.	3.3	29
11	Câ^'C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KO^tBu: Unusual Regioselectivity through a Radical Mechanism. Angewandte Chemie - International Edition, 2019, 58, 3373-3377.	13.8	23
12	Activation of SO₂ by N/Si⁺ and N/B Frustrated Lewis Pairs: Experimental and Theoretical Comparison with CO₂ Activation. Chemistry - A European Journal, 2019, 25, 8118-8126.	3.3	22
13	Homogeneous Reforming of Aqueous Ethylene Glycol to Glycolic Acid and Pure Hydrogen Catalyzed by Pincerâ€Ruthenium Complexes Capable of Metalâ€“Ligand Cooperation. Chemistry - A European Journal, 2021, 27, 4715-4722.	3.3	22
14	SO₂ conversion to sulfones: development and mechanistic insights of a sulfonylative Hiyama cross-coupling. Chemical Communications, 2019, 55, 12924-12927.	4.1	18
15	Emergence of CO2 electrolyzers including supported molecular catalysts. Current Opinion in Electrochemistry, 2020, 24, 49-55.	4.8	15
16	Molecular Electrocatalytic Hydrogenation of Carbonyls and Dehydrogenation of Alcohols. ChemElectroChem, 2021, 8, 4019-4027.	3.4	15
17	Reactivity and Structural Diversity in the Reaction of Guanidine 1,5,7â€Triazabicyclo[4.4.0]decâ€5â€ene with CO₂, CS₂, and Other Heterocumulenes. European Journal of Organic Chemistry, 2017, 2017, 676-686.	2.4	10
18	Taming Electron Transfers: From Breaking Bonds to Creating Molecules. Chemical Record, 2021, 21, 2095-2106.	5.8	4