Christoph Topf

List of Publications by Year
in descending order

29 papers	2,418 citations	361045 20 h-index	414034 32 g-index
37 all docs	37 docs citations	37 times ranked	3131 citing authors

#	Article	IF	Citations
1	Selective Catalytic Hydrogenations of Nitriles, Ketones, and Aldehydes by Well-Defined Manganese Pincer Complexes. Journal of the American Chemical Society, 2016, 138, 8809-8814.	6.6	485
2	Synthesis and Characterization of Ironâ€“Nitrogen-Doped Graphene/Coreâ€“Shell Catalysts: Efficient Oxidative Dehydrogenation of <i>N</i>-Heterocycles. Journal of the American Chemical Society, 2015, 137, 10652-10658.	6.6	265
3	Selective Catalytic Hydrogenation of Heteroarenes with <i>N</i>-Graphene-Modified Cobalt Nanoparticles (Co₃O₄â€“Co/NGr@Î±-Al₂O₃). Journal of the American Chemical Society, 2015, 137, 11718-11724.	6.6	223
4	Stabilization of the nanomorphology of polymerâ€“fullerene â€œbulk heterojunctionâ€•blends using a novel polymerizable fullerene derivative. Journal of Materials Chemistry, 2005, 15, 5158.	6.7	221
5	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbonâ€“nitrogen matrix. Nature Communications, 2016, 7, 11326.	5.8	179
6	Stable and Inert Cobalt Catalysts for Highly Selective and Practical Hydrogenation of Câ‰¡N and Câ•O Bonds. Journal of the American Chemical Society, 2016, 138, 8781-8788.	6.6	118
7	Improved Second Generation Iron Pincer Complexes for Effective Ester Hydrogenation. Advanced Synthesis and Catalysis, 2016, 358, 820-825.	2.1	104
8	Direct Rutheniumâ€Catalyzed Hydrogenation of Carboxylic Acids to Alcohols. Angewandte Chemie - International Edition, 2015, 54, 10596-10599.	7.2	100
9	Lewis Acid Promoted Ruthenium(II)â€Catalyzed Etherifications by Selective Hydrogenation of Carboxylic Acids/Esters. Angewandte Chemie - International Edition, 2015, 54, 5196-5200.	7.2	94
10	Synthesis of Nickel Nanoparticles with Nâ€Doped Graphene Shells for Catalytic Reduction Reactions. ChemCatChem, 2016, 8, 129-134.	1.8	66
11	Biomassâ€Derived Catalysts for Selective Hydrogenation of Nitroarenes. ChemSusChem, 2017, 10, 3035-3039.	3.6	66
12	Co-based heterogeneous catalysts from well-defined Î±-diimine complexes: Discussing the role of nitrogen. Journal of Catalysis, 2017, 351, 79-89.	3.1	65
13	Fe₂O₃/NGr@C- and Coâ€“Co₃O₄/NGr@C-catalysed hydrogenation of nitroarenes under mild conditions. Catalysis Science and Technology, 2016, 6, 4473-4477.	2.1	61
14	Synthesis and Characterization of Silver(I), Gold(I), and Gold(III) Complexes Bearing Amino-Functionalized N-Heterocyclic Carbenes. Organometallics, 2011, 30, 2755-2764.	1.1	58
15	A stable and practical nickel catalyst for the hydrogenolysis of Câ€“O bonds. Green Chemistry, 2017, 19, 305-310.	4.6	49
16	Synthesis of cobalt nanoparticles by pyrolysis of vitamin B₁₂: a non-noble-metal catalyst for efficient hydrogenation of nitriles. Catalysis Science and Technology, 2018, 8, 499-507.	2.1	34
17	Design, synthesis and characterization of a modular bridging ligand platform for bio-inspired hydrogen production. Inorganic Chemistry Communication, 2012, 21, 147-150.	1.8	31
18	Synthesis and characterization of silver(I), gold(I), and gold(III) complexes bearing a bis-dialkylamino functionalized N-heterocyclic carbene. Journal of Organometallic Chemistry, 2011, 696, 3274-3278.	0.8	25

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19	Synthesis and Characterization of Gold(III) Complexes Bearing a Picolineâ€functionalized Nâ€Heterocyclic Carbene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2129-2134.	0.6	17
20	Group 6 Metal Carbonyl Complexes Supported by a Bidentate PN Ligand: Syntheses, Characterization, and Catalytic Hydrogenation Activity. Organometallics, 2020, 39, 4535-4543.	1.1	12
21	Liquid-Phase Hydrogenation of Nitriles to Amines Facilitated by a Co(II)/Zn(0) Pair: A Ligand-Free Catalytic Protocol. Journal of Organic Chemistry, 2019, 84, 11604-11611.	1.7	11
22	Homogeneous pressure hydrogenation of quinolines effected by a bench-stable tungsten-based pre-catalyst. Journal of Catalysis, 2021, 404, 451-461.	3.1	11
23	Selective and Additiveâ€Free Hydrogenation of Nitroarenes Mediated by a DMSOâ€Tagged Molecular Cobalt Corrole Catalyst. European Journal of Organic Chemistry, 2021, 2021, 2114-2120.	1.2	7
24	Manganese-catalyzed homogeneous hydrogenation of ketones and conjugate reduction of Î±,Î²-unsaturated carboxylic acid derivatives: A chemoselective, robust, and phosphine-free in situ-protocol. Applied Catalysis A: General, 2021, 623, 118280.	2.2	7
25	Î¼₃-Chlorido-tris(bis{1-[2-(dimethylamino)ethyl]-3-methylimidazol-2-ylidene}silver(I)) dichloride. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m272-m272.	0.2	6
26	Heterogeneous Hydrogenation of Quinoline Derivatives Effected by a Granular Cobalt Catalyst. Synthesis, 2022, 54, 629-642.	1.2	6
27	Synthesis and characterisation of heterotrinuclear transition metal complexes for biomimetic proton reduction. Inorganic Chemistry Communication, 2017, 77, 47-50.	1.8	4
28	Chromium-catalyzed transfer hydrogenation of aromatic aldehydes facilitated by a simple metal carbonyl complex. Journal of Catalysis, 2022, 413, 478-486.	3.1	4
29	Generation of Cobalt-Containing Nanoparticles on Carbon via Pyrolysis of a Cobalt Corrole and Its Application in the Hydrogenation of Nitroarenes. Catalysts, 2022, 12, 11.	1.6	3