Carsten R Kreyenschulte

List of Publications by Year
in descending order

48	1,604	304368	315357
papers	citations	22 h-index	38 g-index

49	49	49	2139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reductive Amination, Hydrogenation and Hydrodeoxygenation of 5â€Hydroxymethylfurfural using Silicaâ€supported Cobaltâ€Nanoparticles. ChemCatChem, 2022, 14, .	1.8	19
2	Effects of modifier (Gd, Sc, La) addition on the stability of low Ni content catalyst for dry reforming of model biogas. Fuel, 2022, 312, 122823.	3.4	8
3	Scalable and selective deuteration of (hetero)arenes. Nature Chemistry, 2022, 14, 334-341.	6.6	56
4	Effect of Cerium Promoters on an MCM-41-Supported Nickel Catalyst in Dry Reforming of Methane. Industrial & Engineering Chemistry Research, 2022, 61, 164-174.	1.8	33
5	Cobalt-catalysed CH-alkylation of indoles with alcohols by borrowing hydrogen methodology. Green Chemistry, 2022, 24, 4566-4572.	4.6	19
6	Elucidating the effects of individual components in K_xMnO_y/SiO₂and water on selectivity enhancement in the oxidative coupling of methane. Catalysis Science and Technology, 2021, 11, 5827-5838.	2.1	6
7	Development and Application of Efficient Agâ€based Hydrogenation Catalysts Prepared from Rice Husk Waste. ChemCatChem, 2021, 13, 2583-2591.	1.8	9
8	Preparation, Characterization and Antimicrobial Properties of Nanosized Silverâ€Containing Carbon/Silica Composites from Rice Husk Waste. ChemistryOpen, 2021, 10, 1244-1250.	0.9	5
9	The Effect of Iron and Vanadium in VO y /Ce 1â€x Fe x O 2â€Ŷ Catalysts in Lowâ€Temperature Selective Catalytic Reduction of NO x by Ammonia. ChemCatChem, 2020, 12, 2440-2451.	1.8	5
10	Enhanced photocatalytic performance of polymeric carbon nitride through combination of iron loading and hydrogen peroxide treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124383.	2.3	5
11	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. Angewandte Chemie, 2020, 132, 18838-18844.	1.6	6
12	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. Angewandte Chemie - International Edition, 2020, 59, 18679-18685.	7.2	27
13	A General Catalyst Based on Cobalt Coreâ€“Shell Nanoparticles for the Hydrogenation of Nâ€Heteroarenes Including Pyridines. Angewandte Chemie, 2020, 132, 17561-17565.	1.6	8
14	A General Catalyst Based on Cobalt Coreâ€“Shell Nanoparticles for the Hydrogenation of Nâ€Heteroarenes Including Pyridines. Angewandte Chemie - International Edition, 2020, 59, 17408-17412.	7.2	58
15	Iron/N-doped graphene nano-structured catalysts for general cyclopropanation of olefins. Chemical Science, 2020, 11, 6217-6221.	3.7	12
16	Revisiting Activity- and Selectivity-Enhancing Effects of Water in the Oxidative Coupling of Methane over MnO_x-Na₂WO₄/SiO₂and Proving for Other Materials. ACS Catalysis, 2020, 10, 8751-8764.	5.5	33
17	Development of Highly Stable Low Ni Content Catalyst for Dry Reforming of CH₄â€Rich Feedstocks. ChemCatChem, 2020, 12, 1562-1568.	1.8	12
18	Towards a practical perfluoroalkylation of (hetero)arenes with perfluoroalkyl bromides using cobalt nanocatalysts. Catalysis Science and Technology, 2020, 10, 1731-1738.	2.1	10

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19	Alcohol Synthesis from CO₂, H₂, and Olefins over Alkaliâ€Promoted Au Catalystsâ€"A Catalytic and Inâ€...situ FTIR Spectroscopic Study. ChemSusChem, 2019, 12, 651-660.	3.6	10
20	Cobalt-Nanoparticles Catalyzed Efficient and Selective Hydrogenation of Aromatic Hydrocarbons. ACS Catalysis, 2019, 9, 8581-8591.	5.5	52
21	Zinc single atoms on N-doped carbon: An efficient and stable catalyst for CO2 fixation and conversion. Chinese Journal of Catalysis, 2019, 40, 1679-1685.	6.9	27
22	Biomolecule-derived supported cobalt nanoparticles for hydrogenation of industrial olefins, natural oils and more in water. Green Chemistry, 2019, 21, 5104-5112.	4.6	11
23	Influence of MoS2 on Activity and Stability of Carbon Nitride in Photocatalytic Hydrogen Production. Catalysts, 2019, 9, 695.	1.6	15
24	Additive-Free Nickel-Catalyzed Debenzylation Reactions via Hydrogenative Câ€"O and Câ€"N Bond Cleavage. ACS Sustainable Chemistry and Engineering, 2019, 7, 17107-17113.	3.2	12
25	Sustainable Coâ€Synthesis of Glycolic Acid, Formamides and Formates from 1,3â€Dihydroxyacetone by a Cu/Al₂O₃ Catalyst with a Single Active Sites. Angewandte Chemie - International Edition, 2019, 58, 5251-5255.	7.2	38
26	Effect of metal ion addition on structural characteristics and photocatalytic activity of ordered mesoporous titania. Journal of Sol-Gel Science and Technology, 2019, 91, 539-551.	1.1	10
27	General and Chemoselective Copper Oxide Catalysts for Hydrogenation Reactions. ACS Catalysis, 2019, 9, 4302-4307.	5.5	56
28	Heterogeneous nickel-catalysed reversible, acceptorless dehydrogenation of N-heterocycles for hydrogen storage. Chemical Communications, 2019, 55, 4969-4972.	2.2	47
29	Supported Cobalt Nanoparticles for Hydroformylation Reactions. Chemistry - A European Journal, 2019, 25, 5534-5538.	1.7	34
30	Light-driven proton reduction with in situ supported copper nanoparticles. International Journal of Hydrogen Energy, 2019, 44, 31892-31901.	3.8	0
31	Stabilization of low nickel content catalysts with lanthanum and by citric acid assisted preparation to suppress deactivation in dry reforming of methane. Catalysis Today, 2019, 334, 203-214.	2.2	28
32	Influence of V-sources on the catalytic performance of VMCM-41 in the selective oxidation of methane to formaldehyde. Catalysis Communications, 2018, 103, 56-59.	1.6	18
33	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
34	Hydrogenation of terminal and internal olefins using a biowaste-derived heterogeneous cobalt catalyst. Science Advances, 2018, 4, eaau1248.	4.7	37
35	A robust iron catalyst for the selective hydrogenation of substituted (iso)quinolones. Chemical Science, 2018, 9, 8134-8141.	3.7	63
36	Relations between Structure, Activity and Stability in C3N4 Based Photocatalysts Used for Solar Hydrogen Production. Catalysts, 2018, 8, 52.	1.6	10

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37	Hydrogenation of Pyridines Using a Nitrogenâ€Modified Titaniaâ€Supported Cobalt Catalyst. Angewandte Chemie, 2018, 130, 14696-14700.	1.6	7
38	Hydrogenation of Pyridines Using a Nitrogenâ€Modified Titaniaâ€Supported Cobalt Catalyst. Angewandte Chemie - International Edition, 2018, 57, 14488-14492.	7.2	42
39	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. ACS Catalysis, 2017, 7, 1526-1532.	5.5	110
40	H₂ Generation with (Mixed) Plasmonic Cu/Auâ€TiO₂ Photocatalysts: Structureâ€“Reactivity Relationships Assessed by in situ Spectroscopy. ChemCatChem, 2017, 9, 1025-1031.	1.8	27
41	Synthesis of Single Atom Based Heterogeneous Platinum Catalysts: High Selectivity and Activity for Hydrosilylation Reactions. ACS Central Science, 2017, 3, 580-585.	5.3	130
42	Selective cobalt nanoparticles for catalytic transfer hydrogenation of N-heteroarenes. Chemical Science, 2017, 8, 6239-6246.	3.7	83
43	Understanding the Performance and Stability of Supported Ni-Co-Based Catalysts in Phenol HDO. Catalysts, 2016, 6, 176.	1.6	23
44	Probing the Structural Changes and Redox Behavior of Mixed Molybdate Catalysts under Ammoxidation Conditions: An Operando Raman Spectroscopy Study. ChemCatChem, 2016, 8, 976-983.	1.8	15
45	Pd-Supported on N-doped carbon: improved heterogeneous catalyst for base-free alkoxycarbonylation of aryl iodides. Chemical Communications, 2016, 52, 12729-12732.	2.2	25
46	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbonâ€“nitrogen matrix. Nature Communications, 2016, 7, 11326.	5.8	179
47	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
48	Propanol formation from CO2 and C2H4 with H2 over Au/TiO2: Effect of support and K doping. Catalysis Today, 2015, 258, 684-690.	2.2	12