

Annette-Enrica Surkus

List of Publications by Year in descending order

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44
papers

4,752
citations

172457

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all docs

53
docs citations

53
times ranked

5007
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable and selective deuteration of (hetero)arenes. <i>Nature Chemistry</i> , 2022, 14, 334-341.	13.6	56
2	Highly Scalable Conversion of Blood Protoporphyrin to Efficient Electrocatalyst for CO ₂ to CO Conversion. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100067.	3.7	4
3	Photophysical and Electrochemical Properties of Pyrimidopteridine-Based Organic Photoredox Catalysts. <i>ChemPhotoChem</i> , 2021, 5, 999-1003.	3.0	3
4	Enhanced photocatalytic performance of polymeric carbon nitride through combination of iron loading and hydrogen peroxide treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124383.	4.7	5
5	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15849-15854.	13.8	156
6	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2020, 132, 15983-15988.	2.0	13
7	Zinc single atoms on N-doped carbon: An efficient and stable catalyst for CO ₂ fixation and conversion. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1679-1685.	14.0	27
8	General and Chemoselective Copper Oxide Catalysts for Hydrogenation Reactions. <i>ACS Catalysis</i> , 2019, 9, 4302-4307.	11.2	56
9	Pyrimidopteridine N-Oxide Organic Photoredox Catalysts: Characterization, Application and Non-Covalent Interaction in Solid State. <i>Chemistry - A European Journal</i> , 2019, 25, 4325-4329.	3.3	13
10	Synthesis of cobalt nanoparticles by pyrolysis of vitamin B ₁₂ : a non-noble-metal catalyst for efficient hydrogenation of nitriles. <i>Catalysis Science and Technology</i> , 2018, 8, 499-507.	4.1	34
11	Synthesis of furo[3,2-b:4,5-b']diindoles and their optical and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6543-6551.	2.8	7
12	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. <i>ACS Catalysis</i> , 2017, 7, 1526-1532.	11.2	110
13	Palladium-catalyzed synthesis and fluorescence study of 2,3-diaryl-5-ethynylbenzo[e]indoles. <i>Tetrahedron</i> , 2017, 73, 3407-3414.	1.9	2
14	Co-based heterogeneous catalysts from well-defined $\hat{\mu}$ -diimine complexes: Discussing the role of nitrogen. <i>Journal of Catalysis</i> , 2017, 351, 79-89.	6.2	65
15	A Biomass-Derived Non-Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11242-11247.	13.8	83
16	Impact of the Co%:Cu Ratio in CoCu-Containing Oxidic Solids on their Activity for the Water-Splitting Reaction. <i>ChemElectroChem</i> , 2017, 4, 2109-2116.	3.4	8
17	From the Precursor to the Active State: Monitoring Metamorphosis of Electrocatalysts During Water Oxidation by <i>In Situ</i> Spectroscopy. <i>ChemElectroChem</i> , 2017, 4, 2117-2122.	3.4	11
18	A Biomass-Derived Non-Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. <i>Angewandte Chemie</i> , 2017, 129, 11394-11399.	2.0	24

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19	A Stable Nanocobalt Catalyst with Highly Dispersed CoN _x Active Sites for the Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2017, 129, 16843-16847.	2.0	33
20	A Stable Nanocobalt Catalyst with Highly Dispersed CoN _x Active Sites for the Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16616-16620.	13.8	135
21	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbon-nitrogen matrix. <i>Nature Communications</i> , 2016, 7, 11326.	12.8	179
22	Stable and Inert Cobalt Catalysts for Highly Selective and Practical Hydrogenation of C-N and C-O Bonds. <i>Journal of the American Chemical Society</i> , 2016, 138, 8781-8788.	13.7	118
23	Synthesis of Nickel Nanoparticles with N-Doped Graphene Shells for Catalytic Reduction Reactions. <i>ChemCatChem</i> , 2016, 8, 129-134.	3.7	66
24	Straightforward synthesis of tetraalkynylpyrazines and their photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1442-1449.	2.8	14
25	Cobalt-based nanocatalysts for green oxidation and hydrogenation processes. <i>Nature Protocols</i> , 2015, 10, 916-926.	12.0	115
26	Synthesis and Characterization of Iron-Nitrogen-Doped Graphene/Core-Shell Catalysts: Efficient Oxidative Dehydrogenation of N-Heterocycles. <i>Journal of the American Chemical Society</i> , 2015, 137, 10652-10658.	13.7	265
27	Hydrogenation using iron oxide-based nanocatalysts for the synthesis of amines. <i>Nature Protocols</i> , 2015, 10, 548-557.	12.0	131
28	Selective Catalytic Hydrogenation of Heteroarenes with N-Graphene-Modified Cobalt Nanoparticles (Co ₃ O ₄ @Co/NGr@Al ₂ O ₃). <i>Journal of the American Chemical Society</i> , 2015, 137, 11718-11724.	13.7	223
29	Synthesis of Amines by Reductive Amination of Aldehydes and Ketones using Co ₃ O ₄ /NGr@C Catalyst. <i>ChemCatChem</i> , 2015, 7, 62-64.	3.7	60
30	Control of Bridging Ligands in [(V ₂ O ₃) ₂ (RXO ₃) ₄ Š,F] Cage Complexes: A Unique Way To Tune Their Chemical Properties. <i>Organometallics</i> , 2014, 33, 4905-4910.	2.3	6
31	General and selective reductive amination of carbonyl compounds using a core-shell structured Co ₃ O ₄ /NGr@C catalyst. <i>Green Chemistry</i> , 2014, 16, 4535-4540.	9.0	93
32	Electron- and Energy-Transfer Processes in a Photocatalytic System Based on an Ir(III)-Photosensitizer and an Iron Catalyst. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1355-1360.	4.6	44
33	Hybridization detection of enzyme-labeled DNA at electrically heated electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3907-3911.	3.7	18
34	A Noble-Metal-Free System for Photocatalytic Hydrogen Production from Water. <i>Chemistry - A European Journal</i> , 2013, 19, 15972-15978.	3.3	155
35	Nanoscale Fe ₂ O ₃ -Based Catalysts for Selective Hydrogenation of Nitroarenes to Anilines. <i>Science</i> , 2013, 342, 1073-1076.	12.6	868
36	Photocatalytic Water Reduction with Copper-Based Photosensitizers: A Noble-Metal-Free System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 419-423.	13.8	243

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37	Heterogenized cobalt oxide catalysts for nitroarene reduction by pyrolysis of molecularly defined complexes. <i>Nature Chemistry</i> , 2013, 5, 537-543.	13.6	633
38	Efficient and highly selective iron-catalyzed reduction of nitroarenes. <i>Chemical Communications</i> , 2011, 47, 10972.	4.1	200
39	1-(Arylalkenyl)pyrenes – Synthetic, Structural, Photophysical, Theoretical, and Electrochemical Investigations. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5261-5271.	2.4	26
40	A Convenient and General Ruthenium-Catalyzed Transfer Hydrogenation of Nitro- and Azobenzenes. <i>Chemistry - A European Journal</i> , 2011, 17, 14375-14379.	3.3	75
41	Electrochemical Detection of DNA Melting Curves by Means of Heated Biosensors. <i>Electroanalysis</i> , 2009, 21, 1119-1123.	2.9	31
42	Light-Driven Hydrogen Generation: Efficient Iron-Based Water Reduction Catalysts. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9962-9965.	13.8	176
43	Kinetics of the labeling reactions of thymine, cytosine and uracil with osmium tetroxide bipyridine. <i>Mikrochimica Acta</i> , 2009, 166, 197-201.	5.0	19
44	Direct electrochemistry of horseradish peroxidase immobilized in a chitosan-[C4mim][BF4] film: Determination of electrode kinetic parameters. <i>Bioelectrochemistry</i> , 2008, 74, 183-187.	4.6	25