

Annette-Enrica Surkus

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

3,767
citations

27
h-index

53
g-index

53
ext. papers

4,291
ext. citations

9.1
avg, IF

5.09
L-index

#	Paper	IF	Citations
46	Scalable and selective deuteration of (hetero)arenes.. <i>Nature Chemistry</i> , 2022 ,	17.6	5
45	Highly Scalable Conversion of Blood Protoporphyrin to Efficient Electrocatalyst for CO ₂ -to-CO Conversion. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100067	4.6	2
44	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15849-15854	16.4	65
43	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2020 , 132, 15983-15988	3.6	6
42	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	5.1	4
41	General and Chemoselective Copper Oxide Catalysts for Hydrogenation Reactions. <i>ACS Catalysis</i> , 2019 , 9, 4302-4307	13.1	32
40	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	4.8	5
39	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	11.3	15
38	Synthesis of cobalt nanoparticles by pyrolysis of vitamin B12: a non-noble-metal catalyst for efficient hydrogenation of nitriles. <i>Catalysis Science and Technology</i> , 2018 , 8, 499-507	5.5	25
37	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	3.9	3
36	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. <i>ACS Catalysis</i> , 2017 , 7, 1526-1532	13.1	84
35	Palladium-catalyzed synthesis and fluorescence study of 2,3-diaryl-5-ethynylbenzo[e]indoles. <i>Tetrahedron</i> , 2017 , 73, 3407-3414	2.4	0
34	Co-based heterogeneous catalysts from well-defined β -diimine complexes: Discussing the role of nitrogen. <i>Journal of Catalysis</i> , 2017 , 351, 79-89	7.3	52
33	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	16.4	64
32	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	4.3	7
31	From the Precursor to the Active State: Monitoring Metamorphosis of Electrocatalysts During Water Oxidation by In Situ Spectroscopy. <i>ChemElectroChem</i> , 2017 , 4, 2117-2122	4.3	7
30	A Biomass-Derived Non-Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. <i>Angewandte Chemie</i> , 2017 , 129, 11394-11399	3.6	18

29	A Stable Nanocobalt Catalyst with Highly Dispersed Co _{Nx} Active Sites for the Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2017 , 129, 16843-16847	3.6	27
28	A Stable Nanocobalt Catalyst with Highly Dispersed Co _N Active Sites for the Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16616-16620	16.4	87
27	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbon-nitrogen matrix. <i>Nature Communications</i> , 2016 , 7, 11326	17.4	124
26	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, 8781-8	16.4	99
25	Synthesis of Nickel Nanoparticles with N-Doped Graphene Shells for Catalytic Reduction Reactions. <i>ChemCatChem</i> , 2016 , 8, 129-134	5.2	52
24	Straightforward synthesis of tetraalkynylpyrazines and their photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1442-9	3.9	9
23	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, 10652-8	16.4	223
22	Hydrogenation using iron oxide-based nanocatalysts for the synthesis of amines. <i>Nature Protocols</i> , 2015 , 10, 548-57	18.8	106
21	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, 11718-24	16.4	176
20	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	5.2	56
19	Cobalt-based nanocatalysts for green oxidation and hydrogenation processes. <i>Nature Protocols</i> , 2015 , 10, 916-26	18.8	96
18	Control of Bridging Ligands in [(V ₂ O ₃) ₂ (RXO ₃) ₄ F] ₂ Cage Complexes: A Unique Way To Tune Their Chemical Properties. <i>Organometallics</i> , 2014 , 33, 4905-4910	3.8	6
17	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	10	83
16	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, 1355-60	6.4	40
15	Hybridization detection of enzyme-labeled DNA at electrically heated electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3907-11	4.4	17
14	A noble-metal-free system for photocatalytic hydrogen production from water. <i>Chemistry - A European Journal</i> , 2013 , 19, 15972-8	4.8	131
13	Nanoscale Fe ₂ O ₃ -based catalysts for selective hydrogenation of nitroarenes to anilines. <i>Science</i> , 2013 , 342, 1073-6	33.3	704
12	Photocatalytic Water Reduction with Copper-Based Photosensitizers: A Noble-Metal-Free System. <i>Angewandte Chemie</i> , 2013 , 125, 437-441	3.6	58

11	Photocatalytic water reduction with copper-based photosensitizers: a noble-metal-free system. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 419-23	16.4	208
10	Heterogenized cobalt oxide catalysts for nitroarene reduction by pyrolysis of molecularly defined complexes. <i>Nature Chemistry</i> , 2013 , 5, 537-43	17.6	513
9	Efficient and highly selective iron-catalyzed reduction of nitroarenes. <i>Chemical Communications</i> , 2011 , 47, 10972-4	5.8	179
8	1-(Arylalkenyl)pyrenes Synthetic, Structural, Photophysical, Theoretical, and Electrochemical Investigations. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5261-5271	3.2	18
7	A convenient and general ruthenium-catalyzed transfer hydrogenation of nitro- and azobenzenes. <i>Chemistry - A European Journal</i> , 2011 , 17, 14375-9	4.8	67
6	Electrochemical Detection of DNA Melting Curves by Means of Heated Biosensors. <i>Electroanalysis</i> , 2009 , 21, 1119-1123	3	31
5	Eisencarbonyl: effiziente Katalysatoren für die lichtgetriebene Wasserstoffherzeugung aus Wasser. <i>Angewandte Chemie</i> , 2009 , 121, 10147-10150	3.6	47
4	Light-driven hydrogen generation: efficient iron-based water reduction catalysts. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9962-5	16.4	169
3	Kinetics of the labeling reactions of thymine, cytosine and uracil with osmium tetroxide bipyridine. <i>Mikrochimica Acta</i> , 2009 , 166, 197-201	5.8	15
2	Direct electrochemistry of horseradish peroxidase immobilized in a chitosan-[C4mim][BF4] film: determination of electrode kinetic parameters. <i>Bioelectrochemistry</i> , 2008 , 74, 183-7	5.6	23
1	Photophysical and Electrochemical Properties of Pyrimidopteridine-Based Organic Photoredox Catalysts. <i>ChemPhotoChem</i> ,	3.3	0