Patrick Wolf

List of Publications by Year
in descending order

29 papers	1,280 citations	394421 19 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1634 citing authors

#	Article	IF	Citations
1	Isolated Zr Surface Sites on Silica Promote Hydrogenation of CO₂ to CH₃OH in Supported Cu Catalysts. Journal of the American Chemical Society, 2018, 140, 10530-10535.	13.7	170
2	NMR Signatures of the Active Sites in Snâ€Î²â€…Zeolite. Angewandte Chemie - International Edition, 2014, 53, 10179-10183.	13.8	157
3	Post-synthetic preparation of Sn-, Ti- and Zr-beta: a facile route to water tolerant, highly active Lewis acidic zeolites. Dalton Transactions, 2014, 43, 4514.	3.3	118
4	CO₂ Hydrogenation on Cu/Al₂O₃: Role of the Metal/Support Interface in Driving Activity and Selectivity of a Bifunctional Catalyst. Angewandte Chemie - International Edition, 2019, 58, 13989-13996.	13.8	112
5	Correlating Synthetic Methods, Morphology, Atomic-Level Structure, and Catalytic Activity of Sn-Î² Catalysts. ACS Catalysis, 2016, 6, 4047-4063.	11.2	106
6	One-pot cascade transformation of xylose into Î³-valerolactone (GVL) over bifunctional BrÃ¸nstedâ€“Lewis Zrâ€“Al-beta zeolite. Green Chemistry, 2016, 18, 5777-5781.	9.0	76
7	Mechanistic Study on the Lewis Acid Catalyzed Synthesis of 1,3-Butadiene over Ta-BEA Using Modulated Operando DRIFTS-MS. ACS Catalysis, 2016, 6, 6823-6832.	11.2	54
8	Combined 1,4-butanediol lactonization and transfer hydrogenation/hydrogenolysis of furfural-derivatives under continuous flow conditions. Catalysis Science and Technology, 2014, 4, 2326-2331.	4.1	52
9	Selective Hydrogenation of CO₂ to CH₃OH on Supported Cu Nanoparticles Promoted by Isolated Ti^{IV} Surface Sites on SiO₂. ChemSusChem, 2019, 12, 968-972.	6.8	47
10	NMR Signatures of the Active Sites in Snâ€Î²â€…Zeolite. Angewandte Chemie, 2014, 126, 10343-10347.	2.0	46
11	Identifying Sn Site Heterogeneities Prevalent Among Snâ€Beta Zeolites. Helvetica Chimica Acta, 2016, 99, 916-927.	1.6	44
12	Enhanced CH₃OH selectivity in CO₂ hydrogenation using Cu-based catalysts generated <i>via</i> SOMC from Ga^{III} single-sites. Chemical Science, 2020, 11, 7593-7598.	7.4	30
13	Insights into the Complexity of Heterogeneous Liquid-Phase Catalysis: Case Study on the Cyclization of Citronellal. ACS Catalysis, 2016, 6, 2760-2769.	11.2	28
14	Influence of Hydrophilicity on the SnÎ²â€Catalyzed Baeyerâ€“Villiger Oxidation of Cyclohexanone with Aqueous Hydrogen Peroxide. ChemCatChem, 2017, 9, 175-182.	3.7	28
15	Silicaâ€Grafted Sn^{IV} Catalysts in Hydrogenâ€Transfer Reactions. ChemCatChem, 2015, 7, 3270-3278.	3.7	24
16	Production of 1,6-hexanediol from tetrahydropyran-2-methanol by dehydrationâ€“hydration and hydrogenation. Green Chemistry, 2017, 19, 1390-1398.	9.0	24
17	Dynamic equilibria in supported ionic liquid phase (SILP) catalysis: <i>in situ</i> IR spectroscopy identifies [Ru(CO)_xCl_y]_n species in water gas shift catalysis. Catalysis Science and Technology, 2018, 8, 344-357.	4.1	23
18	Zr(IV) surface sites determine CH3OH formation rate on Cu/ZrO2/SiO2 - CO2 hydrogenation catalysts. Chinese Journal of Catalysis, 2019, 40, 1741-1748.	14.0	22

#	Article	IF	Citations
19	CO₂ Hydrogenation on Cu/Al₂O₃: Role of the Metal/Support Interface in Driving Activity and Selectivity of a Bifunctional Catalyst. Angewandte Chemie, 2019, 131, 14127-14134.	2.0	21
20	UVâ€“Vis and Photoluminescence Spectroscopy to Understand the Coordination of Cu Cations in the Zeolite SSZ-13. Chemistry of Materials, 2019, 31, 9582-9592.	6.7	19
21	Improving the performance of supported ionic liquid phase (SILP) catalysts for the ultra-low-temperature waterâ€“gas shift reaction using metal salt additives. Green Chemistry, 2019, 21, 5008-5018.	9.0	16
22	Multi-walled carbon nanotube-based composite materials as catalyst support for waterâ€“gas shift and hydroformylation reactions. RSC Advances, 2019, 9, 27732-27742.	3.6	16
23	Computational description of key spectroscopic features of zeolite SSZ-13. Physical Chemistry Chemical Physics, 2019, 21, 19065-19075.	2.8	11
24	Ultra-low temperature waterâ€“gas shift reaction catalyzed by homogeneous Ru-complexes in a membrane reactor â€“ membrane development and proof of concept. Catalysis Science and Technology, 2021, 11, 1558-1570.	4.1	9
25	Tailored monolith supports for improved ultra-low temperature water-gas shift reaction. Reaction Chemistry and Engineering, 2021, 6, 2114-2124.	3.7	8
26	Cu carbonyls enhance the performance of Ru-based SILP waterâ€“gas shift catalysts: a combined<i>in situ</i>DRIFTS and DFT study. Catalysis Science and Technology, 2020, 10, 252-262.	4.1	7
27	Improving the Performance of Supported Ionic Liquid Phase Catalysts for the Ultra-Low-Temperature Water Gas Shift Reaction Using Organic Salt Additives. ACS Catalysis, 2022, 12, 5661-5672.	11.2	7
28	Materials with Hierarchical Porosity Enhance the Stability of Infused Ionic Liquid Films. ACS Omega, 2021, 6, 20956-20965.	3.5	5
29	Silica-Grafted SnIVCatalysts in Hydrogen-Transfer Reactions. ChemCatChem, 2015, 7, 3190-3190.	3.7	0