

# Christopher Goodwin

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

342  
citations

933447

10  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

439  
citing authors

#	ARTICLE	IF	CITATIONS
1	The state of zinc in methanol synthesis over a Zn/ZnO/Cu(211) model catalyst. <i>Science</i> , 2022, 376, 603-608.	12.6	65
2	Impacts of hydrous manganese oxide on the retention and lability of dissolved organic matter. <i>Geochemical Transactions</i> , 2018, 19, 6.	0.7	42
3	ZnO(101̄...0) Surface Hydroxylation under Ambient Water Vapor. <i>Journal of Physical Chemistry B</i> , 2018, 122, 472-478.	2.6	35
4	Stroboscopic operando spectroscopy of the dynamics in heterogeneous catalysis by event-averaging. <i>Nature Communications</i> , 2021, 12, 6117.	12.8	27
5	AgI-BiYO <sub>3</sub> photocatalyst: Synthesis, characterization, and its photocatalytic degradation of dye. <i>Materials Chemistry and Physics</i> , 2017, 202, 120-126.	4.0	25
6	A lab-based ambient pressure x-ray photoelectron spectrometer with exchangeable analysis chambers. <i>Review of Scientific Instruments</i> , 2015, 86, 085113.	1.3	23
7	Quantification and molecular characterization of organo-mineral associations as influenced by redox oscillations. <i>Science of the Total Environment</i> , 2020, 704, 135454.	8.0	19
8	The Structure of the Active Pd State During Catalytic Carbon Monoxide Oxidization. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4461-4465.	4.6	15
9	Bridging the Pressure Gap in CO Oxidation. <i>ACS Catalysis</i> , 2021, 11, 9128-9135.	11.2	14
10	In Situ Surface-Sensitive Investigation of Multiple Carbon Phases on Fe(110) in the Fischer-Tropsch Synthesis. <i>ACS Catalysis</i> , 2022, 12, 7609-7621.	11.2	13
11	High performance anatase-TiO <sub>2</sub> thin film transistors with a two-step oxidized TiO <sub>2</sub> channel and plasma enhanced atomic layer-deposited ZrO <sub>2</sub> gate dielectric. <i>Applied Physics Express</i> , 2019, 12, 096502.	2.4	12
12	Soft Ion Sputtering of PANi Studied by XPS, AFM, TOF-SIMS, and STS. <i>Coatings</i> , 2020, 10, 967.	2.6	11
13	Operando Observation of Oxygenated Intermediates during CO Hydrogenation on Rh Single Crystals. <i>Journal of the American Chemical Society</i> , 2022, 144, 7038-7042.	13.7	10
14	Reactivity of binary manganese oxide mixtures towards arsenite removal: Evidence of synergistic effects. <i>Applied Geochemistry</i> , 2021, 130, 104939.	3.0	7
15	A Novel Method to Maintain the Sample Position and Pressure in Differentially Pumped Systems Below the Resolution Limit of Optical Microscopy Techniques. <i>Applied Spectroscopy</i> , 2021, 75, 137-144.	2.2	6
16	Chemisorbed oxygen or surface oxides steer the selectivity in Pd electrocatalytic propene oxidation observed by <i>operando</i> Pd L-edge X-ray absorption spectroscopy. <i>Catalysis Science and Technology</i> , 2021, 11, 3347-3352.	4.1	6
17	Ion probe techniques to measure the distribution of substrate elements in coatings for copper alloys. <i>Progress in Organic Coatings</i> , 2017, 111, 267-272.	3.9	3
18	Gas-cluster ion sputtering: Effect on organic layer morphology. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, 051507.	2.1	3

#	ARTICLE	IF	CITATIONS
19	<i>Operando</i> X-Ray Photoelectron Spectroscopy for High-Pressure Catalysis Research Using the POLARIS Endstation. Synchrotron Radiation News, 0, , 1-8.	0.8	3
20	Growth and chemical modification of silicon nanostructures templated in molecule corrals: Parallels with the surface chemistry of single crystalline silicon. Surface Science, 2019, 683, 38-45.	1.9	2