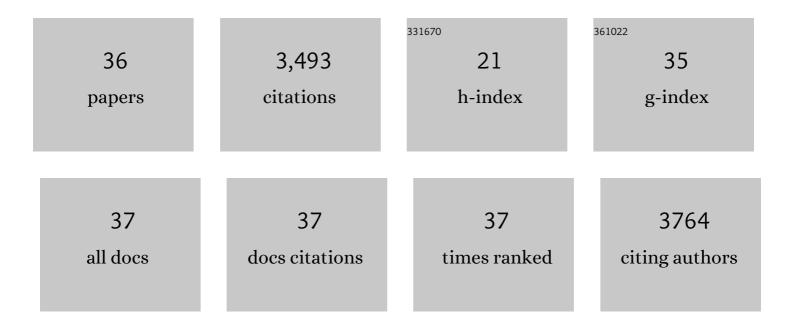
## Arne Wittstock

List of Publications by Year in descending order

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ADNE WITTSTOCK

#	Article	IF	CITATIONS
1	Nanoporous Gold Catalysts for Selective Gas-Phase Oxidative Coupling of Methanol at Low Temperature. Science, 2010, 327, 319-322.	12.6	1,022
2	Surface-chemistry-driven actuation in nanoporousÂgold. Nature Materials, 2009, 8, 47-51.	27.5	488
3	Nanoporous gold: a new material for catalytic and sensor applications. Physical Chemistry Chemical Physics, 2010, 12, 12919.	2.8	306
4	Ultralow Loading Pt Nanocatalysts Prepared by Atomic Layer Deposition on Carbon Aerogels. Nano Letters, 2008, 8, 2405-2409.	9.1	244
5	Nanoporous Au: An Unsupported Pure Gold Catalyst?. Journal of Physical Chemistry C, 2009, 113, 5593-5600.	3.1	232
6	ALD Functionalized Nanoporous Gold: Thermal Stability, Mechanical Properties, and Catalytic Activity. Nano Letters, 2011, 11, 3085-3090.	9.1	212
7	Silver residues as a possible key to a remarkable oxidative catalytic activity of nanoporous gold. Physical Chemistry Chemical Physics, 2011, 13, 4529.	2.8	121
8	Catalysis by Unsupported Skeletal Gold Catalysts. Accounts of Chemical Research, 2014, 47, 731-739.	15.6	114
9	Nanoporous Gold as a Platform for a Building Block Catalyst. ACS Catalysis, 2012, 2, 2199-2215.	11.2	108
10	Oxygenâ€Mediated Coupling of Alcohols over Nanoporous Gold Catalysts at Ambient Pressures. Angewandte Chemie - International Edition, 2012, 51, 1698-1701.	13.8	106
11	Nanoporous gold: a new gold catalyst with tunable properties. Faraday Discussions, 2011, 152, 87.	3.2	82
12	Quantitative determination of residual silver distribution in nanoporous gold and its influence on structure and catalytic performance. Journal of Catalysis, 2017, 352, 52-58.	6.2	45
13	Effect of Surface Chemistry on the Stability of Gold Nanostructures. Langmuir, 2010, 26, 13736-13740.	3.5	40
14	A comparative study of alcohol oxidation over nanoporous gold in gas and liquid phase. Journal of Catalysis, 2017, 353, 99-106.	6.2	40
15	Steam reforming of methanol over oxide decorated nanoporous gold catalysts: a combined in situ FTIR and flow reactor study. Physical Chemistry Chemical Physics, 2017, 19, 8880-8888.	2.8	37
16	Maximizing Activity and Stability by Turning Gold Catalysis Upside Down: Oxide Particles on Nanoporous Gold. ChemCatChem, 2013, 5, 2037-2043.	3.7	35
17	<i>In Situ</i> Ptychography of Heterogeneous Catalysts using Hard X-Rays: High Resolution Imaging at Ambient Pressure and Elevated Temperature. Microscopy and Microanalysis, 2016, 22, 178-188.	0.4	31
18	A versatile sol–gel coating for mixed oxides on nanoporous gold and their application in the water gas shift reaction. Catalysis Science and Technology, 2016, 6, 5311-5319.	4.1	30

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#	Article	IF	CITATIONS
19	Nanoporous Gold-Supported Ceria for the Water–Gas Shift Reaction: UHV Inspired Design for Applied Catalysis. Journal of Physical Chemistry C, 2014, 118, 29270-29277.	3.1	27
20	Quantitative Phase Composition of TiO <sub>2</sub> -Coated Nanoporous Au Monoliths by X-ray Absorption Spectroscopy and Correlations to Catalytic Behavior. Journal of Physical Chemistry C, 2014, 118, 4078-4084.	3.1	22
21	Independent control over residual silver content of nanoporous gold by galvanodynamically controlled dealloying. Nanoscale, 2018, 10, 17166-17173.	5.6	22
22	A versatile nanoreactor for complementary <i>in situ</i> X-ray and electron microscopy studies in catalysis and materials science. Journal of Synchrotron Radiation, 2019, 26, 1769-1781.	2.4	22
23	Influence of gas atmospheres and ceria on the stability of nanoporous gold studied by environmental electron microscopy and in situ ptychography. RSC Advances, 2016, 6, 83031-83043.	3.6	18
24	Influence of distortions of recorded diffraction patterns on strain analysis by nano-beam electron diffraction. Ultramicroscopy, 2019, 196, 74-82.	1.9	15
25	A versatile synthetic strategy for nanoporous gold–organic hybrid materials for electrochemistry and photocatalysis. Tetrahedron, 2014, 70, 6127-6133.	1.9	14
26	Synergistic Effect in Zinc Phthalocyanine—Nanoporous Gold Hybrid Materials for Enhanced Photocatalytic Oxidations. Catalysts, 2019, 9, 555.	3.5	11
27	Measurement of local crystal lattice strain variations in dealloyed nanoporous gold. Materials Research Letters, 2018, 6, 84-92.	8.7	10
28	Morphological analysis of cerium oxide stabilized nanoporous gold catalysts by soft X-ray ASAXS. RSC Advances, 2017, 7, 45344-45350.	3.6	8
29	Nanoporous gold functionalized with praseodymia–titania mixed oxides as a stable catalyst for the water–gas shift reaction. Physical Chemistry Chemical Physics, 2019, 21, 3278-3286.	2.8	8
30	Aerobic Methanol Oxidation over Unsupported Nanoporous Gold: The Influence of an Added Base. Catalysts, 2019, 9, 416.	3.5	7
31	A versatile heterogeneous photocatalyst: nanoporous gold powder modified with a zinc(II) phthalocyanine derivative for singlet oxygen [4 + 2] cycloadditions. Photochemical and Photobiological Sciences, 2021, 20, 547-558.	2.9	5
32	Photocatalytic coatings based on a zinc(ii) phthalocyanine derivative immobilized on nanoporous gold leafs with various pore sizes. RSC Advances, 2020, 10, 53-59.	3.6	4
33	Nanoporous Gold Catalyst for the Oxidative Nâ€Đealkylation of Drug Molecules: A Method for Synthesis of Nâ€Đealkylated Metabolites. ChemMedChem, 2022, , .	3.2	3
34	Impact of photosensitizer orientation on the distance dependent photocatalytic activity in zinc phthalocyanine–nanoporous gold hybrid systems. RSC Advances, 2020, 10, 23203-23211.	3.6	2
35	Comparison of the photocatalytic activity of novel hybrid photocatalysts based on phthalocyanines, subphthalocyanines and porphyrins immobilized onto nanoporous gold. RSC Advances, 2021, 11, 11364-11372.	3.6	2
36	Investigation of a Nanoporous Gold / TiO2 Catalyst by Electron Microscopy and Tomography. Materials Research Society Symposia Proceedings, 2013, 1504, 1.	0.1	0