

# Cynthia M Friend

## List of Publications by Citations

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125  
papers

5,447  
citations

37  
h-index

71  
g-index

135  
ext. papers

6,235  
ext. citations

10.7  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
125	Heterogeneous gold-based catalysis for green chemistry: low-temperature CO oxidation and propene oxidation. <i>Chemical Reviews</i> , <b>2007</b> , 107, 2709-24	68.1	646
124	Achieving Selective and Efficient Electrocatalytic Activity for CO <sub>2</sub> Reduction Using Immobilized Silver Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13844-50	16.4	437
123	Enhancement of O <sub>2</sub> dissociation on Au <sub>111</sub> by adsorbed oxygen: implications for oxidation catalysis. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9267-70	16.4	198
122	O Activation by Metal Surfaces: Implications for Bonding and Reactivity on Heterogeneous Catalysts. <i>Chemical Reviews</i> , <b>2018</b> , 118, 2816-2862	68.1	190
121	Dynamic restructuring drives catalytic activity on nanoporous gold-silver alloy catalysts. <i>Nature Materials</i> , <b>2017</b> , 16, 558-564	27	180
120	Heterogeneous Catalysis: A Central Science for a Sustainable Future. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 517-521	24.3	160
119	Selectivity control in gold-mediated esterification of methanol. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 4206-9	16.4	157
118	Vapour-phase gold-surface-mediated coupling of aldehydes with methanol. <i>Nature Chemistry</i> , <b>2010</b> , 2, 61-5	17.6	147
117	Sequential photo-oxidation of methanol to methyl formate on TiO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 574-7	16.4	146
116	Selective oxidation of styrene on an oxygen-covered Au(111). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17178-9	16.4	124
115	Nanoporous Gold: Understanding the Origin of the Reactivity of a 21st Century Catalyst Made by Pre-Columbian Technology. <i>ACS Catalysis</i> , <b>2015</b> , 5, 6263-6270	13.1	118
114	Surface-mediated self-coupling of ethanol on gold. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5757-9	16.4	111
113	Unraveling molecular transformations on surfaces: a critical comparison of oxidation reactions on coinage metals. <i>Chemical Society Reviews</i> , <b>2008</b> , 37, 2243-61	58.5	108
112	The mystery of gold's chemical activity: local bonding, morphology and reactivity of atomic oxygen. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 34-46	3.6	96
111	Achieving optimum selectivity in oxygen assisted alcohol cross-coupling on gold. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16571-80	16.4	94
110	Oxygen-mediated coupling of alcohols over nanoporous gold catalysts at ambient pressures. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1698-701	16.4	93
109	Selective non-oxidative dehydrogenation of ethanol to acetaldehyde and hydrogen on highly dilute NiCu alloys. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 541-550	21.8	91

108	Toward digitally controlled catalyst architectures: Hierarchical nanoporous gold via 3D printing. <i>Science Advances</i> , <b>2018</b> , 4, eaas9459	14.3	83
107	Theoretical Study of O-Assisted Selective Coupling of Methanol on Au(111). <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3703-3708	3.8	82
106	Chlorine adsorption on Au(111): chlorine overlayer or surface chloride?. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3560-5	16.4	72
105	Atomic Oxygen Adsorption on Au(111) Surfaces with Defects. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3232-3238	3.8	71
104	Synthesis of TiO <sub>2</sub> nanoparticles on the Au(111) surface. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 94705	3.9	67
103	The role of surface and subsurface point defects for chemical model studies on TiO <sub>2</sub> : a first-principles theoretical study of formaldehyde bonding on rutile TiO <sub>2</sub> (110). <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 4496-506	4.8	66
102	Ozone-Activated Nanoporous Gold: A Stable and Storable Material for Catalytic Oxidation. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4237-4241	13.1	63
101	Partial oxidation of propene on oxygen-covered Au(111). <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 15982-7	4.7	57
100	Highly selective acylation of dimethylamine mediated by oxygen atoms on metallic gold surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 394-8	16.4	56
99	Anatomy of the Photochemical Reaction: Excited-State Dynamics Reveals the C-H Acidity Mechanism of Methoxy Photo-oxidation on Titania. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1624-7	6.4	55
98	Probing Atomic Distributions in Mono- and Bimetallic Nanoparticles by Supervised Machine Learning. <i>Nano Letters</i> , <b>2019</b> , 19, 520-529	11.5	54
97	Oxygen-assisted cross-coupling of methanol with alkyl alcohols on metallic gold. <i>Chemical Science</i> , <b>2010</b> , 1, 310	9.4	53
96	Van der Waals interactions determine selectivity in catalysis by metallic gold. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13333-40	16.4	52
95	Dynamics of Surface Alloys: Rearrangement of Pd/Ag(111) Induced by CO and O <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 8312-8323	3.8	49
94	Guidelines to Achieving High Selectivity for the Hydrogenation of $\alpha$ -Unsaturated Aldehydes with Bimetallic and Dilute Alloy Catalysts: A Review. <i>Chemical Reviews</i> , <b>2020</b> , 120, 12834-12872	68.1	47
93	Selective Oxygen-Assisted Reactions of Alcohols and Amines Catalyzed by Metallic Gold: Paradigms for the Design of Catalytic Processes. <i>ACS Catalysis</i> , <b>2017</b> , 7, 965-985	13.1	45
92	Strain effects on the behavior of isolated and paired sulfur vacancy defects in monolayer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	42
91	Predicting gold-mediated catalytic oxidative-coupling reactions from single crystal studies. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 761-72	24.3	41

90	Nature of Oxidation of the Au(111) Surface: Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16561-16564	3.8	41
89	Chlorine promotion of styrene epoxidation on Au(111). <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1872-3	16.4	38
88	Exploiting basic principles to control the selectivity of the vapor phase catalytic oxidative cross-coupling of primary alcohols over nanoporous gold catalysts. <i>Journal of Catalysis</i> , <b>2015</b> , 329, 78-86	7.3	37
87	Origin of the selectivity in the gold-mediated oxidation of benzyl alcohol. <i>Surface Science</i> , <b>2012</b> , 606, 1129-1134	1.8	37
86	A Novel Growth Mode of Mo on Au (111) from a Mo(CO) <sub>6</sub> Precursor: An STM Study. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 1036-1043	3.4	37
85	Achieving High Selectivity for Alkyne Hydrogenation at High Conversions with Compositionally Optimized PdAu Nanoparticle Catalysts in Raspberry Colloid-Templated SiO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2020</b> , 10, 441-450	13.1	36
84	Noncovalent Bonding Controls Selectivity in Heterogeneous Catalysis: Coupling Reactions on Gold. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15243-15250	16.4	35
83	Dilute Pd/Au Alloy Nanoparticles Embedded in Colloid-Templated Porous SiO <sub>2</sub> : Stable Au-Based Oxidation Catalysts. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5759-5768	9.6	34
82	Ag/Au mixed sites promote oxidative coupling of methanol on the alloy surface. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4646-52	4.8	33
81	Oxidative coupling of alcohols on gold: insights from experiments and theory. <i>Faraday Discussions</i> , <b>2011</b> , 152, 307-20; discussion 393-413	3.6	32
80	Active sites for methanol partial oxidation on nanoporous gold catalysts. <i>Journal of Catalysis</i> , <b>2016</b> , 344, 778-783	7.3	32
79	Formation of nanostructured TiO <sub>2</sub> by femtosecond laser irradiation of titanium in O <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 063108	2.5	29
78	A pathway for NH addition to styrene promoted by gold. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7075-8	16.4	28
77	Enhanced Photo-Oxidation of Formaldehyde on Highly Reduced o-TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 29242-29251	3.8	27
76	Activated metallic gold as an agent for direct methoxycarbonylation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20378-83	16.4	27
75	Surface Structure Dependence of the Dry Dehydrogenation of Alcohols on Cu(111) and Cu(110). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 12800-12806	3.8	25
74	Crossing the great divide between single-crystal reactivity and actual catalyst selectivity with pressure transients. <i>Nature Catalysis</i> , <b>2018</b> , 1, 852-859	36.5	25
73	Reactivity of methanol on TiO <sub>2</sub> nanoparticles supported on the Au(1 1 1) surface. <i>Surface Science</i> , <b>2005</b> , 591, 1-12	1.8	24

72	Methanol Photo-Oxidation on Rutile TiO <sub>2</sub> Nanowires: Probing Reaction Pathways on Complex Materials. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 9910-9919	3.8	23
71	Continuous Catalytic Production of Methyl Acrylates from Unsaturated Alcohols by Gold: The Strong Effect of C=C Unsaturation on Reaction Selectivity. <i>ACS Catalysis</i> , <b>2016</b> , 6, 1833-1839	13.1	23
70	Accurate formation energies of charged defects in solids: A systematic approach. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	22
69	The Dynamic Roles of Interstitial and Surface Defects on Oxidation and Reduction Reactions on Titania. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 1377-1388	2.3	21
68	Structure of the Clean and Oxygen-Covered Cu(100) Surface at Room Temperature in the Presence of Methanol Vapor in the 10-200 mTorr Pressure Range. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 548-554	3.4	21
67	Enhancing catalytic performance of dilute metal alloy nanomaterials. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	20
66	Dual-function of alcohols in gold-mediated selective coupling of amines and alcohols. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2313-8	4.8	19
65	New Architectures for Designed Catalysts: Selective Oxidation using AgAu Nanoparticles on Colloid-Templated Silica. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1833-1837	4.8	18
64	Self-assembly of acetate adsorbates drives atomic rearrangement on the Au(110) surface. <i>Nature Communications</i> , <b>2016</b> , 7, 13139	17.4	18
63	Evolution of steady-state material properties during catalysis: Oxidative coupling of methanol over nanoporous Ag <sub>0.03</sub> Au <sub>0.97</sub> . <i>Journal of Catalysis</i> , <b>2019</b> , 380, 366-374	7.3	18
62	Tuning the Stability of Surface Intermediates Using Adsorbed Oxygen: Acetate on Au(111). <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1126-30	6.4	18
61	A paradigm for predicting selective oxidation on noble metals: oxidative catalytic coupling of amines and aldehydes on metallic gold. <i>Faraday Discussions</i> , <b>2011</b> , 152, 241-52; discussion 293-306	3.6	18
60	Hydrogen migration at restructuring palladium-silver oxide boundaries dramatically enhances reduction rate of silver oxide. <i>Nature Communications</i> , <b>2020</b> , 11, 1844	17.4	18
59	Methyl ester synthesis catalyzed by nanoporous gold: from 10 <sup>-3</sup> Torr to 1 atm. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1299-1306	5.5	17
58	Neural network assisted analysis of bimetallic nanocatalysts using X-ray absorption near edge structure spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 18902-18910	3.6	16
57	Role of surface-bound intermediates in the oxygen-assisted synthesis of amides by metallic silver and gold. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12604-10	16.4	16
56	Evolution of Metastable Structures at Bimetallic Surfaces from Microscopy and Machine-Learning Molecular Dynamics. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15907-15916	16.4	16
55	Facilitating hydrogen atom migration via a dense phase on palladium islands to a surrounding silver surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22657-22664	11.5	16

54	General Effect of van der Waals Interactions on the Stability of Alkoxy Intermediates on Metal Surfaces. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 555-560	3.4	15
53	Controlling O coverage and stability by alloying Au and Ag. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 26844-26853	3.6	15
52	Role of defects in propene adsorption and reaction on a partially O-covered Au(111) surface. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 1166	5.5	15
51	Insights from Theory on the Relationship Between Surface Reactivity and Gold Atom Release. <i>Topics in Catalysis</i> , <b>2010</b> , 53, 365-377	2.3	15
50	Switching Selectivity in Oxidation Reactions on Gold: The Mechanism of C≡ vs C-H Bond Activation in the Acetate Intermediate on Au(111). <i>ACS Catalysis</i> , <b>2014</b> , 4, 3281-3288	13.1	14
49	Multiscale Morphology of Nanoporous Copper Made from Intermetallic Phases. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25615-25622	9.5	14
48	Water facilitates oxygen migration on gold surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 2196-2204	3.8	14
47	Catalyst design for enhanced sustainability through fundamental surface chemistry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	13
46	Local Bonding Effects in the Oxidation of CO on Oxygen-Covered Au(111) from Ab Initio Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , <b>2010</b> , 6, 279-87	6.4	13
45	Facile Ester Synthesis on Ag-Modified Nanoporous Au: Oxidative Coupling of Ethanol and 1-Butanol Under UHV Conditions. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1217-1223	2.8	12
44	A Comparative Ab Initio Study of Anhydrous Dehydrogenation of Linear-Chain Alcohols on Cu(110). <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 7806-7815	3.8	12
43	Sauerstoffinduzierte Kupplung und Oxidation von Alkoholen über nanoporösem Gold. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1730-1733	3.6	12
42	Dinitrosyl formation as an intermediate stage of the reduction of NO in the presence of MoO <sub>3</sub> . <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 6046-6051	3.9	12
41	Perspectives on heterogeneous photochemistry. <i>Chemical Record</i> , <b>2014</b> , 14, 944-51	6.6	11
40	Stabilization of a nanoporous NiCu dilute alloy catalyst for non-oxidative ethanol dehydrogenation. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 5207-5217	5.5	10
39	First-Principles Study of Alkoxides Adsorbed on Au(111) and Au(110) Surfaces: Assessing the Roles of Noncovalent Interactions and Molecular Structures in Catalysis. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27905-27914	3.8	10
38	Entropic Control of HD Exchange Rates over Dilute Pd-in-Au Alloy Nanoparticle Catalysts. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6971-6981	13.1	10
37	Identifying key descriptors in surface binding: interplay of surface anchoring and intermolecular interactions for carboxylates on Au(110). <i>Chemical Science</i> , <b>2018</b> , 9, 3759-3766	9.4	9

36	Hydroxymethylcyclopropane on Oxygen-Covered Mo(110): A Radical Clock on a Surface. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 12395-12396	16.4	9
35	Effect of Frustrated Rotations on the Pre-Exponential Factor for Unimolecular Reactions on Surfaces: A Case Study of Alkoxy Dehydrogenation. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1429-1437	3.8	9
34	Facile Decomposition of Organophosphonates by Dual Lewis Sites on a Fe <sub>3</sub> O <sub>4</sub> (111) Film. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 12432-12441	3.8	8
33	Regulating Photochemical Selectivity with Temperature: Isobutanol on TiO(110). <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13072-13080	16.4	8
32	Effect of Coadsorbed Species and Temperature on Competitive Reaction Channels for Nascent Radicals: c-C <sub>3</sub> H <sub>7</sub> CH <sub>2</sub> SH on Mo(110)( $\sqrt{5} \times \sqrt{5}$ )-O. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 663-672	3.4	8
31	Catalytic production of methyl acrylates by gold-mediated cross coupling of unsaturated aldehydes with methanol. <i>Surface Science</i> , <b>2016</b> , 652, 58-66	1.8	7
30	Growth and auto-oxidation of Pd on single-layer AgO/Ag(111). <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 6202-6209	3.6	6
29	Structural Differentiation of the Reactivity of Alcohols with Active Oxygen on Au(110). <i>Topics in Catalysis</i> , <b>2018</b> , 61, 299-307	2.3	6
28	The dissociation-induced displacement of chemisorbed O <sub>2</sub> by mobile O atoms and the autocatalytic recombination of O due to chain fragmentation on Ag(110). <i>Surface Science</i> , <b>2014</b> , 630, 187-194	1.8	6
27	New Role of Pd Hydride as a Sensor of Surface Pd Distributions in Pd/Au Catalysts. <i>ChemCatChem</i> , <b>2020</b> , 12, 717-721	5.2	6
26	The dynamic behavior of dilute metallic alloy Pd <sub>x</sub> Au <sub>1-x</sub> /SiO <sub>2</sub> raspberry colloid templated catalysts under CO oxidation. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 4072-4082	5.5	6
25	Reduction of Oxidized Pd/Ag(111) Surfaces by H <sub>2</sub> : Sensitivity to PdO Island Size and Dispersion. <i>ACS Catalysis</i> , <b>2020</b> , 10, 10117-10124	13.1	5
24	Dilute Pd-in-Au alloy RCT-SiO <sub>2</sub> catalysts for enhanced oxidative methanol coupling. <i>Journal of Catalysis</i> , <b>2021</b> ,	7.3	5
23	Tuning reactivity layer-by-layer: formic acid activation on Ag/Pd(111). <i>Chemical Science</i> , <b>2020</b> , 11, 6492-6499	4.9	5
22	Chemistry of Methanol and Ethanol on Ozone-Prepared $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> (0001). <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25404-25410	3.8	5
21	Dual Lewis site creation for activation of methanol on FeO(111) thin films. <i>Chemical Science</i> , <b>2020</b> , 11, 2448-2454	9.4	4
20	Experimental investigation into tungsten carbide thin films as solid oxide fuel cell anodes. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 3050-3059	2.5	4
19	Spatially Nonuniform Reaction Rates during Selective Oxidation on Gold. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12210-12215	16.4	4

18	Selective Activation of Methyl C-H Bonds of Toluene by Oxygen on Metallic Gold. <i>Catalysis Letters</i> , <b>2018</b> , 148, 1985-1989	2.8	4
17	Predicting a Sharp Decline in Selectivity for Catalytic Esterification of Alcohols from van der Waals Interactions. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10956-10959	3.6	3
16	Predicting a Sharp Decline in Selectivity for Catalytic Esterification of Alcohols from van der Waals Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10864-10867	16.4	3
15	Thermally Activated Formation of Reactive Lattice Oxygen in Titania on Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21405-21410	3.8	3
14	On the Origin of Sinter-Resistance and Catalyst Accessibility in Raspberry-Colloid-Templated Catalyst Design. <i>Advanced Functional Materials</i> , 2106876	15.6	3
13	Surface Modifications during a Catalytic Reaction: a Combined APT and FIB/SEM Analysis of Surface Segregation. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 356-357	0.5	2
12	Perspectives on the design of nanoparticle systems for catalysis. <i>Faraday Discussions</i> , <b>2018</b> , 208, 595-607	3.6	2
11	Predicting X-ray Photoelectron Peak Shapes: the Effect of Electronic Structure. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10685-10692	3.8	2
10	Oxygen adsorption on spontaneously reconstructed Au(511). <i>Surface Science</i> , <b>2019</b> , 679, 296-303	1.8	2
9	Hydride-Based Solid Oxide Fuel Cell/Battery Hybrid Electrochemical System. <i>Energy Technology</i> , <b>2017</b> , 5, 616-622	3.5	1
8	What Promotes the Development of Women Scientists in Academia? Introductory Remarks. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 869, 207-209	6.5	1
7	Surface Processes in CVD: Laser- and Low Energy Electron-Induced Decomposition of W(CO) <sub>6</sub> on Si(111)-(7 $\times$ 7). <i>Materials Research Society Symposia Proceedings</i> , <b>1988</b> , 131, 461		1
6	Comment on STM study of the (111) and (100) surfaces of PdAg, Surf. Sci. 417 (1998) 292B001 and references therein. <i>Surface Science</i> , <b>2022</b> , 122048	1.8	1
5	Toward benchmarking theoretical computations of elementary rate constants on catalytic surfaces: formate decomposition on Au and Cu. <i>Chemical Science</i> , <b>2022</b> , 13, 804-815	9.4	1
4	Regeneration of Active Surface Alloys during Cyclic Oxidation and Reduction: Oxidation of H on Pd/Ag(111). <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 6752-6759	6.4	1
3	Exploiting the Liquid Phase to Enhance the Cross-Coupling of Alcohols over Nanoporous Gold Catalysts. <i>ACS Catalysis</i> , <b>2022</b> , 12, 183-192	13.1	1
2	New Architectures for Designed Catalysts: Selective Oxidation using AgAu Nanoparticles on Colloid-Templated Silica. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1743-1743	4.8	
1	Model Systems in Catalysis. Single Crystals to Supported Enzyme Mimics. Herausgegeben von Robert M. Rioux. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9508-9508	3.6	



