

# Fabio H Ribeiro

## List of Publications by Year in descending order

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122  
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10,543  
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29928

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32667

101  
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129  
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129  
docs citations

129  
times ranked

10122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic multinuclear sites formed by mobilized copper ions in NO $x$ selective catalytic reduction. <i>Science</i> , 2017, 357, 898-903.	20.9	724
2	Catalysis in a Cage: Condition-Dependent Speciation and Dynamics of Exchanged Cu Cations in SSZ-13 Zeolites. <i>Journal of the American Chemical Society</i> , 2016, 138, 6028-6048.	14.6	621
3	Low-temperature carbon monoxide oxidation catalysed by regenerable atomically dispersed palladium on alumina. <i>Nature Communications</i> , 2014, 5, 4885.	13.2	513
4	Structure and Reactivity of PdO <sub>x</sub> /ZrO <sub>2</sub> Catalysts for Methane Oxidation at Low Temperatures. <i>Journal of Catalysis</i> , 1998, 179, 431-442.	6.5	464
5	Size and Support Effects for the Water-Gas Shift Catalysis over Gold Nanoparticles Supported on Model Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2012, 134, 4700-4708.	14.6	392
6	Surface Science Approach to Modeling Supported Catalysts. <i>Catalysis Reviews - Science and Engineering</i> , 1997, 39, 77-168.	13.5	376
7	Isolation of the Copper Redox Steps in the Standard Selective Catalytic Reduction on Cu-SSZ-13. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11828-11833.	14.8	316
8	Identification of the active Cu site in standard selective catalytic reduction with ammonia on Cu-SSZ-13. <i>Journal of Catalysis</i> , 2014, 312, 87-97.	6.5	291
9	Reactive metal-support interactions at moderate temperature in two-dimensional niobium-carbide-supported platinum catalysts. <i>Nature Catalysis</i> , 2018, 1, 349-355.	28.3	268
10	Density Functional Theory Comparison of Water Dissociation Steps on Cu, Au, Ni, Pd, and Pt. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7269-7276.	3.3	262
11	Titration and quantification of open and closed Lewis acid sites in Sn-Beta zeolites that catalyze glucose isomerization. <i>Journal of Catalysis</i> , 2016, 335, 141-154.	6.5	246
12	Sustainable fuel for the transportation sector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4828-4833.	7.6	204
13	Zinc Promotion of Platinum for Catalytic Light Alkane Dehydrogenation: Insights into Geometric and Electronic Effects. <i>ACS Catalysis</i> , 2017, 7, 4173-4181.	11.7	188
14	Metallic Corner Atoms in Gold Clusters Supported on Rutile Are the Dominant Active Site during Water-Gas Shift Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 14018-14020.	14.6	173
15	Reactions of neopentane, methylcyclohexane, and 3,3-dimethylpentane on tungsten carbides: The effect of surface oxygen on reaction pathways. <i>Journal of Catalysis</i> , 1991, 130, 86-105.	6.5	164
16	NO oxidation: A probe reaction on Cu-SSZ-13. <i>Journal of Catalysis</i> , 2014, 312, 179-190.	6.5	160
17	Bifunctional reactions of alkanes on tungsten carbides modified by chemisorbed oxygen. <i>Journal of Catalysis</i> , 1991, 131, 523-544.	6.5	150
18	In situ XPS study of Pd(111) oxidation at elevated pressure, Part 2: Palladium oxidation in the 10 <sup>-1</sup> mbar range. <i>Surface Science</i> , 2006, 600, 2980-2989.	2.0	149

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19	Synthesis, characterization, and catalytic properties of clean and oxygen-modified tungsten carbides. <i>Catalysis Today</i> , 1992, 15, 307-337.	4.9	133
20	Changes in Catalytic and Adsorptive Properties of 2 nm Pt <sub>3</sub> Mn Nanoparticles by Subsurface Atoms. <i>Journal of the American Chemical Society</i> , 2018, 140, 14870-14877.	14.6	131
21	Structure and reactivity of Pt-In intermetallic alloy nanoparticles: Highly selective catalysts for ethane dehydrogenation. <i>Catalysis Today</i> , 2018, 299, 146-153.	4.9	128
22	Genesis and Evolution of Surface Species during Pt Atomic Layer Deposition on Oxide Supports Characterized by in Situ XAFS Analysis and Water-Gas Shift Reaction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9758-9771.	3.3	127
23	Pd-In intermetallic alloy nanoparticles: highly selective ethane dehydrogenation catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 6965-6976.	4.2	127
24	Reproducibility of Turnover Rates in Heterogeneous Metal Catalysis: Compilation of Data and Guidelines for Data Analysis. <i>Catalysis Reviews - Science and Engineering</i> , 1997, 39, 49-76.	13.5	126
25	Reproducible preparation of Au/TS-1 with high reaction rate for gas phase epoxidation of propylene. <i>Journal of Catalysis</i> , 2012, 287, 178-189.	6.5	121
26	Low absorption vitreous carbon reactors for operando XAS: a case study on Cu/Zeolites for selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2229-2238.	2.9	118
27	DFT comparison of intrinsic WGS kinetics over Pd and Pt. <i>Journal of Catalysis</i> , 2014, 320, 106-117.	6.5	109
28	Methods for NH <sub>3</sub> titration of Brønsted acid sites in Cu-zeolites that catalyze the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Journal of Catalysis</i> , 2014, 312, 26-36.	6.5	103
29	Determination of the Au active site and surface active species via operando transmission FTIR and isotopic transient experiments on 2.3wt.% Au/TiO <sub>2</sub> for the WGS reaction. <i>Journal of Catalysis</i> , 2012, 289, 171-178.	6.5	100
30	Metallic Pt as active sites for the water-gas shift reaction on alkali-promoted supported catalysts. <i>Journal of Catalysis</i> , 2012, 286, 279-286.	6.5	99
31	Enhanced reaction rate for gas-phase epoxidation of propylene using H <sub>2</sub> and O <sub>2</sub> by Cs promotion of Au/TS-1. <i>Journal of Catalysis</i> , 2013, 308, 98-113.	6.5	99
32	High-pressure fast-pyrolysis, fast-hydrolysis and catalytic hydrodeoxygenation of cellulose: production of liquid fuel from biomass. <i>Green Chemistry</i> , 2014, 16, 792.	9.4	97
33	The Turnover Rate for the Catalytic Combustion of Methane over Palladium Is Not Sensitive to the Structure of the Catalyst. <i>Journal of the American Chemical Society</i> , 2004, 126, 9896-9897.	14.6	96
34	Probing the gold active sites in Au/TS-1 for gas-phase epoxidation of propylene in the presence of hydrogen and oxygen. <i>Journal of Catalysis</i> , 2012, 296, 31-42.	6.5	95
35	The Dynamic Nature of Brønsted Acid Sites in Cu-Zeolites During NO <sub>x</sub> Selective Catalytic Reduction: Quantification by Gas-Phase Ammonia Titration. <i>Topics in Catalysis</i> , 2015, 58, 424-434.	3.0	93
36	Effect of Zn addition on the water-gas shift reaction over supported palladium catalysts. <i>Journal of Catalysis</i> , 2008, 257, 43-54.	6.5	92

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37	Consequences of exchange-site heterogeneity and dynamics on the UV-visible spectrum of Cu-exchanged SSZ-13. <i>Chemical Science</i> , 2019, 10, 2373-2384.	7.8	91
38	Oxygen removal from intact biomass to produce liquid fuel range hydrocarbons via fast-hydrolysis and vapor-phase catalytic hydrodeoxygenation. <i>Green Chemistry</i> , 2015, 17, 178-183.	9.4	83
39	Temperature Dependence of the Kinetics for the Complete Oxidation of Methane on Palladium and Palladium Oxide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2331-2337.	2.7	80
40	Estimation of Liquid Fuel Yields from Biomass. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5298-5305.	10.5	77
41	Gas-phase epoxidation of propylene in the presence of H <sub>2</sub> and O <sub>2</sub> over small gold ensembles in uncalcined TS-1. <i>Journal of Catalysis</i> , 2014, 313, 104-112.	6.5	77
42	Determination of CO, H <sub>2</sub> O and H <sub>2</sub> coverage by XANES and EXAFS on Pt and Au during water gas shift reaction. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5678.	2.9	75
43	Bimetallic RhRe/C catalysts for the production of biomass-derived chemicals. <i>Journal of Catalysis</i> , 2013, 308, 226-236.	6.5	70
44	Water-gas shift catalysis over transition metals supported on molybdenum carbide. <i>Journal of Catalysis</i> , 2015, 331, 162-171.	6.5	69
45	Propylene oxide inhibits propylene epoxidation over Au/TS-1. <i>Journal of Catalysis</i> , 2018, 365, 105-114.	6.5	68
46	Interaction of O <sub>2</sub> with Pd single crystals in the range 1-150 Torr: Oxygen dissolution and reaction. <i>Surface Science</i> , 2006, 600, 2752-2761.	2.0	65
47	The Effect of Potassium and Tin on the Hydrogenation of Ethylene and Dehydrogenation of Cyclohexane over Pt(111). <i>Journal of Catalysis</i> , 1998, 178, 66-75.	6.5	64
48	Synthesis of Na-Stabilized Nonporous t-ZrO <sub>2</sub> Supports and Pt/t-ZrO <sub>2</sub> Catalysts and Application to Water-Gas-Shift Reaction. <i>ACS Catalysis</i> , 2013, 3, 61-73.	11.7	63
49	Aqueous Phase Glycerol Reforming by PtMo Bimetallic Nano-Particle Catalyst: Product Selectivity and Structural Characterization. <i>Topics in Catalysis</i> , 2012, 55, 53-69.	3.0	62
50	High-pressure vapor-phase hydrodeoxygenation of lignin-derived oxygenates to hydrocarbons by a PtMo bimetallic catalyst: Product selectivity, reaction pathway, and structural characterization. <i>Journal of Catalysis</i> , 2016, 344, 535-552.	6.5	61
51	The Nature of the Isolated Gallium Active Center for Propane Dehydrogenation on Ga/SiO <sub>2</sub> . <i>Catalysis Letters</i> , 2017, 147, 1252-1262.	2.7	59
52	Synthesis of supported bimetallic nanoparticles with controlled size and composition distributions for active site elucidation. <i>Journal of Catalysis</i> , 2015, 328, 75-90.	6.5	58
53	Structural and kinetic changes to small-pore Cu-zeolites after hydrothermal aging treatments and selective catalytic reduction of NO <sub>x</sub> with ammonia. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 168-179.	3.5	57
54	Differences in Catalytic Sites for CO Oxidation and Propylene Epoxidation on Au Nanoparticles. <i>ACS Catalysis</i> , 2011, 1, 1327-1330.	11.7	56

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55	Spectroscopic and kinetic responses of Cu-SSZ-13 to SO <sub>2</sub> exposure and implications for NO <sub>x</sub> selective catalytic reduction. <i>Applied Catalysis A: General</i> , 2019, 574, 122-131.	4.6	53
56	Valorization of Shale Gas Condensate to Liquid Hydrocarbons through Catalytic Dehydrogenation and Oligomerization. <i>Processes</i> , 2018, 6, 139.	2.8	50
57	Effects of dioxygen pressure on rates of NO <sub>x</sub> selective catalytic reduction with NH <sub>3</sub> on Cu-CHA zeolites. <i>Journal of Catalysis</i> , 2020, 389, 140-149.	6.5	49
58	Interaction of O <sub>2</sub> with Pd single crystals in the range 1–150 Torr: Surface morphology transformations. <i>Surface Science</i> , 2006, 600, 2730-2744.	2.0	46
59	Kinetic studies of the stability of Pt for NO oxidation: Effect of sulfur and long-term aging. <i>Journal of Catalysis</i> , 2011, 282, 13-24.	6.5	46
60	Fundamental principles of laboratory fixed bed reactor design. <i>Current Opinion in Chemical Engineering</i> , 2016, 13, 1-9.	8.0	45
61	Oxidation of NO with O <sub>2</sub> on Pt(111) and Pt(321) Large Single Crystals. <i>Langmuir</i> , 2010, 26, 16578-16588.	3.7	44
62	Stabilization of Copper Catalysts for Liquid-Phase Reactions by Atomic Layer Deposition. <i>Angewandte Chemie</i> , 2013, 125, 14053-14057.	2.1	44
63	Palladium Nanoparticle Formation on TiO <sub>2</sub> (110) by Thermal Decomposition of Palladium(II) Hexafluoroacetylacetonate. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14702-14711.	8.3	42
64	On-Line Mass Spectrometric Methods for the Determination of the Primary Products of Fast Pyrolysis of Carbohydrates and for Their Gas-Phase Manipulation. <i>Analytical Chemistry</i> , 2013, 85, 10927-10934.	6.8	41
65	Counting Au catalytic sites for the water-gas shift reaction. <i>Journal of Catalysis</i> , 2012, 293, 94-102.	6.5	40
66	Trimethylaluminum and Oxygen Atomic Layer Deposition on Hydroxyl-Free Cu(111). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16428-16439.	8.3	40
67	Isolation of the Copper Redox Steps in the Standard Selective Catalytic Reduction on Cu-SSZ-13. <i>Angewandte Chemie</i> , 2014, 126, 12022-12027.	2.1	39
68	Structural and catalytic differences in the effect of Co and Mo as promoters for Pt-based aqueous phase reforming catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 236-248.	20.7	39
69	Predictive morphology, stoichiometry and structure of surface species in supported Ru nanoparticles under H <sub>2</sub> and CO atmospheres from combined experimental and DFT studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1969-1979.	2.9	39
70	PtMo Bimetallic Catalysts Synthesized by Controlled Surface Reactions for Water Gas Shift. <i>ACS Catalysis</i> , 2016, 6, 1334-1344.	11.7	39
71	Effect of Co Loading on the Activity and Selectivity of PtCo Aqueous Phase Reforming Catalysts. <i>ACS Catalysis</i> , 2014, 4, 480-491.	11.7	38
72	Fast Pyrolysis of <sup>13</sup> C-Labeled Cellobioses: Gaining Insights into the Mechanisms of Fast Pyrolysis of Carbohydrates. <i>Journal of Organic Chemistry</i> , 2015, 80, 1909-1914.	3.3	38

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73	Kinetics of Palladium Oxidation in the mbar Pressure Range: Ambient Pressure XPS Study. Topics in Catalysis, 2013, 56, 885-895.	3.0	37
74	Tailorable Au Nanoparticles Embedded in Epitaxial TiO <sub>2</sub> Thin Films for Tunable Optical Properties. ACS Applied Materials & Interfaces, 2018, 10, 32895-32902.	8.3	35
75	Tungsten carbides modified by chemisorbed oxygen. A new class of bifunctional catalysts. Catalysis Today, 1992, 15, 455-458.	4.9	34
76	Catalytic combustion of methane on palladium single crystals. Catalysis Today, 2006, 117, 506-513.	4.9	34
77	Aqueous Phase Glycerol Reforming with Pt and PtMo Bimetallic Nanoparticle Catalysts: The Role of the Mo Promoter. Topics in Catalysis, 2013, 56, 1814-1828.	3.0	34
78	Strong metal-support interaction (SMSI) of Pt/CeO <sub>2</sub> and its effect on propane dehydrogenation. Catalysis Today, 2021, 371, 4-10.	4.9	33
79	Investigation of Reaction Steps for the Hydrodechlorination of Chlorine-Containing Organic Compounds on Pd Catalysts. Journal of Catalysis, 2002, 211, 192-197.	6.5	31
80	Fast™ NO <sub>x</sub> storage on Pt/BaO/Al <sub>2</sub> O <sub>3</sub> Lean NO <sub>x</sub> Traps with NO <sub>2</sub> +O <sub>2</sub> and NO+O <sub>2</sub> : Effects of Pt, Ba loading. Catalysis Today, 2010, 151, 291-303.	4.9	30
81	Kinetic and Theoretical Study of the Hydrodechlorination of CH <sub>4</sub> Cl <sub>x</sub> (x = 1-4) Compounds on Palladium. Langmuir, 2010, 26, 16615-16624.	3.7	30
82	Understanding the Chemistry of H <sub>2</sub> Production for 1-Propanol Reforming: Pathway and Support Modification Effects. ACS Catalysis, 2012, 2, 2316-2326.	11.7	30
83	A Discovery of Strong Metal-Support Bonding in Nanoengineered Au-Fe <sub>3</sub> O <sub>4</sub> Dumbbell-like Nanoparticles by in Situ Transmission Electron Microscopy. Nano Letters, 2017, 17, 4576-4582.	9.5	29
84	Effect of molybdenum addition on supported platinum catalysts for the water-gas shift reaction. Applied Catalysis B: Environmental, 2012, 125, 206-214.	20.7	27
85	Coverage of palladium by silicon oxide during reduction in H <sub>2</sub> and complete oxidation of methane. Journal of Catalysis, 2004, 225, 170-178.	6.5	26
86	Simultaneous Measurement of X-ray Absorption Spectra and Kinetics: A Fixed-bed, Plug-flow Operando Reactor. Catalysis Letters, 2009, 131, 1-6.	2.7	26
87	Operando X-ray Absorption Spectroscopy Studies of Sintering for Supported Copper Catalysts during Liquid-phase Reaction. ChemCatChem, 2014, 6, 2493-2496.	3.8	25
88	Isotopic transient studies of sodium promotion of Pt/Al <sub>2</sub> O <sub>3</sub> for the water-gas shift reaction. Journal of Catalysis, 2016, 339, 163-172.	6.5	25
89	Combining Kinetics and Operando Spectroscopy to Interrogate the Mechanism and Active Site Requirements of NO <sub>x</sub> Selective Catalytic Reduction with NH <sub>3</sub> on Cu-Zeolites. Journal of Physical Chemistry Letters, 2020, 11, 5029-5036.	4.9	25
90	Modeling of NO oxidation and NO <sub>x</sub> storage on Pt/BaO/Al <sub>2</sub> O <sub>3</sub> NO <sub>x</sub> traps. Catalysis Today, 2008, 136, 93-103.	4.9	24

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91	Probing the active sites for water-gas shift over Pt/molybdenum carbide using multi-walled carbon nanotubes. <i>Journal of Catalysis</i> , 2015, 330, 442-451.	6.5	22
92	A transmission infrared cell design for temperature-controlled adsorption and reactivity studies on heterogeneous catalysts. <i>Review of Scientific Instruments</i> , 2016, 87, 103101.	1.4	22
93	Water activation and carbon monoxide coverage effects on maximum rates for low temperature water-gas shift catalysis. <i>Journal of Catalysis</i> , 2017, 347, 197-204.	6.5	21
94	Consequences of product inhibition in the quantification of kinetic parameters. <i>Journal of Catalysis</i> , 2020, 389, 468-475.	6.5	21
95	High Thermal Stability of La <sub>2</sub> O <sub>3</sub> - and CeO <sub>2</sub> -Stabilized Tetragonal ZrO <sub>2</sub> . <i>Inorganic Chemistry</i> , 2016, 55, 2413-2420.	4.2	19
96	Participation of interfacial hydroxyl groups in the water-gas shift reaction over Au/MgO catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 5257-5266.	4.2	19
97	Ensemble size reduction by rhenium-sulfur as a method to lower the rate of deactivation of hydrocarbon reactions over Pt catalysts. <i>Catalysis Letters</i> , 1994, 27, 1-10.	2.7	15
98	Synergy in the hybrid thermochemical-biological processes for liquid fuel production. <i>Computers and Chemical Engineering</i> , 2009, 33, 2012-2017.	3.9	15
99	Increased methanation activity through passivation of the silica support. <i>Journal of Catalysis</i> , 2015, 324, 9-13.	6.5	15
100	Surface Chemistry of Trimethylaluminum on Pd(111) and Pt(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 19059-19072.	3.3	15
101	Kinetics of gas phase formic acid decomposition on platinum single crystal and polycrystalline surfaces. <i>Surface Science</i> , 2016, 648, 220-226.	2.0	14
102	Initial Products and Reaction Mechanisms for Fast Pyrolysis of Synthetic G <sub>4</sub> -Lignin Oligomers with $\beta$ -O-4 Linkages via Online Mass Spectrometry and Quantum Chemical Calculations. <i>ChemistrySelect</i> , 2017, 2, 7185-7193.	1.6	13
103	Turnover Rate Enhancement of Reforming Reactions on Polycrystalline Pt-Ir Foils. <i>Journal of Catalysis</i> , 1996, 160, 269-278.	6.5	12
104	Formation and removal of Ba-carbonates or carboxylates on Pt/BaO/Al <sub>2</sub> O <sub>3</sub> lean NO <sub>x</sub> traps. <i>Applied Catalysis B: Environmental</i> , 2011, 107, 26-33.	20.7	12
105	Effects of Support on Sulfur Tolerance and Regeneration of Pt Catalysts Measured by Ethylene Hydrogenation and EXAFS. <i>Catalysis Letters</i> , 2013, 143, 1098-1107.	2.7	12
106	Exploring the Reaction Mechanisms of Fast Pyrolysis of Xylan Model Compounds via Tandem Mass Spectrometry and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9149-9157.	2.6	12
107	Toward Improved Safety Culture in Academic and Industrial Chemical Laboratories: An Assessment and Recommendation of Best Practices. <i>Journal of Chemical Health and Safety</i> , 2022, 29, 202-213.	2.9	12
108	Single Crystal Surfaces. , 2008, , 1259-1276.		10

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109	Mass Spectrometric Studies of Fast Pyrolysis of Cellulose. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 321-326.	1.0	10
110	Characterization and theory of Re films on Pt(111) grown by UHV-CVD. <i>Surface Science</i> , 2015, 640, 2-9.	2.0	8
111	Using a Hands-On Hydrogen Peroxide Decomposition Activity To Teach Catalysis Concepts to K&#12 Students. <i>Journal of Chemical Education</i> , 2016, 93, 1406-1410.	2.4	7
112	Effects of Ethene Pressure on the Deactivation of Ni&#2 Zeolites During Ethene Oligomerization at Sub&#6 Ambient Temperatures. <i>ChemCatChem</i> , 2022, 14, .	3.8	7
113	Water-gas shift reaction over supported Au nanoparticles. <i>Journal of Catalysis</i> , 2022, 405, 475-488.	6.5	7
114	Promoting a Safe Laboratory Environment Using the Reactive Hazard Evaluation and Analysis Compilation Tool. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 134-143.	2.9	5
115	Hydrodesulfurization of tetrahydrothiophene over evaporated Mo, Co and Mo&#4 Co model catalysts. <i>Catalysis Letters</i> , 1999, 63, 21-26.	2.7	4
116	Demonstrating Concepts in Catalysis, Renewable Energy, and Chemical Safety with the Catalytic Oxidation of Hydrogen. <i>Journal of Chemical Education</i> , 2021, 98, 2036-2041.	2.4	4
117	Fast Determination of the Lignin Monomer Compositions of Genetic Variants of Poplar <i>via</i> Fast Pyrolysis/Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2546-2551.	3.1	4
118	Effect of cobalt addition on platinum supported on multi-walled carbon nanotubes for water-gas shift. <i>Journal of Catalysis</i> , 2020, 391, 25-34.	6.5	3
119	Theoretical Study of the Stability of Carbene Intermediates Formed During the Hydrodechlorination Reaction of the CF x Cl4&#x Family on the Pd(110) Surface. <i>Catalysis Letters</i> , 2009, 133, 243-255.	2.7	2
120	R&#4 cktitelbild: Stabilization of Copper Catalysts for Liquid-Phase Reactions by Atomic Layer Deposition ( <i>Angew. Chem.</i> 51/2013). <i>Angewandte Chemie</i> , 2013, 125, 14068-14068.	2.1	1
121	Gas mixing system for imaging of nanomaterials under dynamic environments by environmental transmission electron microscopy. <i>Review of Scientific Instruments</i> , 2014, 85, 033704.	1.4	1
122	Dynamic Investigation of Metal-support Interactions in Heterodimer Nanoparticles by in situ Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 1858-1859.	0.4	0