

# Robert J Davis

## List of Publications by Year in descending order

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129  
papers

10,208  
citations

31976

53  
h-index

33894

99  
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132  
all docs

132  
docs citations

132  
times ranked

9593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactivity of the Gold/Water Interface During Selective Oxidation Catalysis. <i>Science</i> , 2010, 330, 74-78.	12.6	888
2	Selective oxidation of alcohols and aldehydes over supported metal nanoparticles. <i>Green Chemistry</i> , 2013, 15, 17-45.	9.0	659
3	Selective Hydrogenolysis of Polyols and Cyclic Ethers over Bifunctional Surface Sites on Rhodium-Rhenium Catalysts. <i>Journal of the American Chemical Society</i> , 2011, 133, 12675-12689.	13.7	439
4	Oxidation of 5-hydroxymethylfurfural over supported Pt, Pd and Au catalysts. <i>Catalysis Today</i> , 2011, 160, 55-60.	4.4	353
5	Understanding Au-Catalyzed Low-Temperature CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11767-11775.	3.1	341
6	On the mechanism of selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over supported Pt and Au catalysts. <i>Green Chemistry</i> , 2012, 14, 143-147.	9.0	334
7	Synthesis, Characterization, and Photocatalytic Activity of Titania and Niobia Mesoporous Molecular Sieves. <i>Chemistry of Materials</i> , 1998, 10, 1468-1474.	6.7	332
8	Heterogeneous Catalysts for the Guerbet Coupling of Alcohols. <i>ACS Catalysis</i> , 2013, 3, 1588-1600.	11.2	312
9	Titania-Silica: A Model Binary Oxide Catalyst System. <i>Chemistry of Materials</i> , 1997, 9, 2311-2324.	6.7	289
10	Glycerol hydrogenolysis on carbon-supported PtRu and AuRu bimetallic catalysts. <i>Journal of Catalysis</i> , 2007, 251, 281-294.	6.2	271
11	Cycloaddition of CO <sub>2</sub> to Epoxides over Solid Base Catalysts. <i>Journal of Catalysis</i> , 2001, 199, 85-91.	6.2	245
12	Mechanistic Insights on the Hydrogenation of $\alpha,\beta$ -Unsaturated Ketones and Aldehydes to Unsaturated Alcohols over Metal Catalysts. <i>ACS Catalysis</i> , 2012, 2, 671-683.	11.2	206
13	Fe-promotion of supported Rh catalysts for direct conversion of syngas to ethanol. <i>Journal of Catalysis</i> , 2009, 261, 9-16.	6.2	203
14	Promotional effect of hydroxyl on the aqueous phase oxidation of carbon monoxide and glycerol over supported Au catalysts. <i>Topics in Catalysis</i> , 2007, 44, 307-317.	2.8	185
15	The Important Role of Hydroxyl on Oxidation Catalysis by Gold Nanoparticles. <i>Accounts of Chemical Research</i> , 2014, 47, 825-833.	15.6	181
16	A non-porous supported-platinum catalyst for aromatization of n-hexane. <i>Nature</i> , 1991, 349, 313-315.	27.8	151
17	Acidity of Keggin-Type Heteropolycompounds Evaluated by Catalytic Probe Reactions, Sorption Microcalorimetry, and Density Functional Quantum Chemical Calculations. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10817-10825.	2.6	151
18	X-ray Absorption Spectroscopy of Bimetallic Pt-Re Catalysts for Hydrogenolysis of Glycerol to Propanediols. <i>ChemCatChem</i> , 2010, 2, 1107-1114.	3.7	134

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19	Location, Acid Strength, and Mobility of the Acidic Protons in Keggin 12-H3PW12O40: A Combined Solid-State NMR Spectroscopy and DFT Quantum Chemical Calculation Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 18274-18280.	13.7	130
20	UV-Vis Spectroscopy of Iodine Adsorbed on Alkali-Metal-Modified Zeolite Catalysts for Addition of Carbon Dioxide to Ethylene Oxide. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6277-6282.	2.6	126
21	Use of kinetic models to explore the role of base promoters on Ru/MgO ammonia synthesis catalysts. <i>Journal of Catalysis</i> , 2004, 225, 359-368.	6.2	119
22	CHEMISTRY: All That Glitters Is Not Au. <i>Science</i> , 2003, 301, 926-927.	12.6	116
23	Aldol Condensation of Acetaldehyde over Titania, Hydroxyapatite, and Magnesia. <i>ACS Catalysis</i> , 2016, 6, 3193-3202.	11.2	114
24	Evidence for the Bifunctional Nature of Pt-Re Catalysts for Selective Glycerol Hydrogenolysis. <i>ACS Catalysis</i> , 2015, 5, 5679-5695.	11.2	108
25	A computational and experimental study of anhydrous phosphotungstic acid and its interaction with water molecules. <i>Applied Catalysis A: General</i> , 2003, 256, 51-68.	4.3	100
26	Propane dehydrogenation over supported Pt-Sn nanoparticles. <i>Journal of Catalysis</i> , 2018, 367, 181-193.	6.2	100
27	Anhydrous and Water-Assisted Proton Mobility in Phosphotungstic Acid. <i>Journal of the American Chemical Society</i> , 2005, 127, 5238-5245.	13.7	99
28	Comparative study of CO and CO2 hydrogenation over supported Rh-Fe catalysts. <i>Catalysis Communications</i> , 2010, 11, 901-906.	3.3	99
29	Influence of water on the activity and stability of activated MgAl hydrotalcites for the transesterification of tributyrin with methanol. <i>Journal of Catalysis</i> , 2008, 254, 190-197.	6.2	98
30	Isotopic transient analysis of the ethanol coupling reaction over magnesia. <i>Journal of Catalysis</i> , 2013, 298, 130-137.	6.2	95
31	Multiproduct Steady-State Isotopic Transient Kinetic Analysis of the Ethanol Coupling Reaction over Hydroxyapatite and Magnesia. <i>ACS Catalysis</i> , 2015, 5, 1737-1746.	11.2	93
32	Influence of Reaction Conditions on Diacid Formation During Au-Catalyzed Oxidation of Glycerol and Hydroxymethylfurfural. <i>Topics in Catalysis</i> , 2012, 55, 24-32.	2.8	91
33	Kinetics and mechanism of 5-hydroxymethylfurfural oxidation and their implications for catalyst development. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 123-132.	4.8	89
34	Formation and Oxidation/Gasification of Carbonaceous Deposits: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 9760-9818.	3.7	82
35	Structure of Supported PdAu Clusters Determined by X-ray Absorption Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1994, 98, 5471-5477.	2.9	79
36	Selective Aerobic Oxidation of Alcohols over Atomically Dispersed Non-Precious Metal Catalysts. <i>ChemSusChem</i> , 2017, 10, 359-362.	6.8	79

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37	Influence of surface acid and base sites on the Guerbet coupling of ethanol to butanol over metal phosphate catalysts. <i>Journal of Catalysis</i> , 2017, 352, 182-190.	6.2	76
38	Inhibition of gold and platinum catalysts by reactive intermediates produced in the selective oxidation of alcohols in liquid water. <i>Green Chemistry</i> , 2011, 13, 3484.	9.0	75
39	Insights into the Speciation of Cu in the Cu-H-Mordenite Catalyst for the Oxidation of Methane to Methanol. <i>ACS Catalysis</i> , 2019, 9, 5308-5319.	11.2	70
40	DRIFTS of Probe Molecules Adsorbed on Magnesia, Zirconia, and Hydroxyapatite Catalysts. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9186-9197.	3.1	68
41	Decarbonylation of heptanoic acid over carbon-supported platinum nanoparticles. <i>Green Chemistry</i> , 2014, 16, 683-694.	9.0	66
42	Sodium modification of zirconia catalysts for ethanol coupling to 1-butanol. <i>Journal of Energy Chemistry</i> , 2013, 22, 58-64.	12.9	65
43	Influence of Dihydrogen and Water Vapor on the Kinetics of CO Oxidation over Au/Al <sub>2</sub> O <sub>3</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 5403-5410.	3.7	64
44	On the Superacidity of Sulfated Zirconia Catalysts for Low-Temperature Isomerization of Butane. <i>Journal of the American Chemical Society</i> , 1996, 118, 12240-12241.	13.7	63
45	Synthesis of methacrylic acid by aldol condensation of propionic acid with formaldehyde over acid-base bifunctional catalysts. <i>Catalysis Today</i> , 2007, 123, 42-49.	4.4	63
46	Atomically Dispersed Co and Cu on N-Doped Carbon for Reactions Involving C-H Activation. <i>ACS Catalysis</i> , 2018, 8, 3875-3884.	11.2	63
47	Structure of Fe, Mn-promoted sulfated zirconia catalyst by X-ray and IR absorption spectroscopies. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1825-1833.	1.7	61
48	Oxygen-exchange reactions during CO oxidation over titania- and alumina-supported Au nanoparticles. <i>Journal of Catalysis</i> , 2006, 241, 407-416.	6.2	61
49	On the deactivation of supported platinum catalysts for selective oxidation of alcohols. <i>Journal of Catalysis</i> , 2014, 311, 295-305.	6.2	61
50	Probing the Basic Character of Alkali-Modified Zeolites by CO <sub>2</sub> Adsorption Microcalorimetry, Butene Isomerization, and Toluene Alkylation with Ethylene. <i>Journal of Catalysis</i> , 2000, 189, 79-90.	6.2	59
51	Effect of water on silica-supported phosphotungstic acid catalysts for 1-butene double bond shift and alkane skeletal isomerization. <i>Applied Catalysis A: General</i> , 2000, 200, 219-231.	4.3	58
52	Origins of Unusual Alcohol Selectivities over Mixed MgAl Oxide-Supported K/MoS <sub>2</sub> Catalysts for Higher Alcohol Synthesis from Syngas. <i>ACS Catalysis</i> , 2013, 3, 1665-1675.	11.2	58
53	Selective production of 1,2-propanediol by hydrogenolysis of glycerol over bimetallic Ru-Cu nanoparticles supported on TiO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2014, 482, 137-144.	4.3	57
54	Investigation of Alumina-Supported Au Catalyst for CO Oxidation by Isotopic Transient Analysis and X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2307-2314.	2.6	51

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55	A study of glycerol hydrogenolysis over Ru/Cu/Al <sub>2</sub> O <sub>3</sub> and Ru/Cu/ZrO <sub>2</sub> catalysts. Journal of Molecular Catalysis A, 2016, 415, 27-36.	4.8	50
56	Reactivity and in situ X-ray absorption spectroscopy of Rb-promoted Mo <sub>2</sub> C/MgO catalysts for higher alcohol synthesis. Journal of Catalysis, 2011, 282, 83-93.	6.2	49
57	Title is missing!. Topics in Catalysis, 1998, 6, 77-86.	2.8	44
58	Influence of Reactor Configuration on the Selective Oxidation of Glycerol over Au/TiO <sub>2</sub> . Topics in Catalysis, 2009, 52, 269-277.	2.8	44
59	X-ray Absorption Spectroscopy of an Fe-Promoted Rh/TiO <sub>2</sub> Catalyst for Synthesis of Ethanol from Synthesis Gas. ChemCatChem, 2009, 1, 295-303.	3.7	43
60	Adsorption of N <sub>2</sub> and CO <sub>2</sub> on Zeolite X Exchanged with Potassium, Barium, or Lanthanum. Langmuir, 2003, 19, 4707-4713.	3.5	42
61	Influence of textural properties and trace water on the reactivity and deactivation of reconstructed layered hydroxide catalysts for transesterification of tributyrin with methanol. Journal of Catalysis, 2009, 268, 307-317.	6.2	41
62	Characterization of magnesium-aluminum mixed oxides by temperature-programmed reaction of 2-propanol. Langmuir, 1994, 10, 159-165.	3.5	40
63	A Quantum Chemical Study of the Decomposition of Keggin-Structured Heteropolyacids. Journal of Physical Chemistry B, 2006, 110, 4170-4178.	2.6	37
64	Hydrocarbon oxidation and aldol condensation over basic zeolite catalysts. Catalysis Today, 2006, 116, 226-233.	4.4	37
65	A First Principles Analysis of the Location and Affinity of Protons in the Secondary Structure of Phosphotungstic Acid. Journal of Physical Chemistry B, 2004, 108, 12292-12300.	2.6	36
66	Influence of Passivation on the Reactivity of Unpromoted and Rb-Promoted Mo <sub>2</sub> C Nanoparticles for CO Hydrogenation. ACS Catalysis, 2012, 2, 1408-1416.	11.2	36
67	Mechanistic Studies of Single-Step Styrene Production Using a Rhodium(I) Catalyst. Journal of the American Chemical Society, 2017, 139, 1485-1498.	13.7	36
68	Perspectives on the kinetics of diol oxidation over supported platinum catalysts in aqueous solution. Journal of Catalysis, 2013, 308, 50-59.	6.2	34
69	Hydrogen transfer reactions relevant to Guerbet coupling of alcohols over hydroxyapatite and magnesium oxide catalysts. Catalysis Science and Technology, 2018, 8, 1722-1729.	4.1	34
70	Deactivation of Supported Pt Catalysts during Alcohol Oxidation Elucidated by Spectroscopic and Kinetic Analyses. ACS Catalysis, 2017, 7, 6745-6756.	11.2	33
71	X-ray and IR Spectroscopy of Barium-Promoted, Zeolite-Supported Ruthenium Catalysts for Ammonia Synthesis. Journal of Physical Chemistry B, 2001, 105, 7525-7532.	2.6	32
72	X-ray absorption spectroscopy and CO oxidation activity of Au/Al <sub>2</sub> O <sub>3</sub> treated with NaCN. Catalysis Letters, 2005, 99, 21-26.	2.6	31

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73	Mixed MgAl Oxide Supported Potassium Promoted Molybdenum Sulfide as a Selective Catalyst for Higher Alcohol Synthesis from Syngas. <i>Catalysis Letters</i> , 2012, 142, 875-881.	2.6	31
74	Effect of the Co-cation on Cu Speciation in Cu-Exchanged Mordenite and ZSM-5 Catalysts for the Oxidation of Methane to Methanol. <i>ACS Catalysis</i> , 2021, 11, 4973-4987.	11.2	31
75	Multi-product steady-state isotopic transient kinetic analysis of CO hydrogenation over supported molybdenum carbide. <i>Journal of Catalysis</i> , 2013, 306, 91-99.	6.2	30
76	Importance of Product Readsorption during Isotopic Transient Analysis of Ammonia Synthesis on Ba-Promoted Ru/BaX Catalyst. <i>Journal of Catalysis</i> , 2002, 211, 379-386.	6.2	27
77	Lanthanum Promotion of Ru/Zeolite X Catalysts for Ammonia Synthesis. <i>Catalysis Letters</i> , 2002, 81, 265-269.	2.6	27
78	On the use of 1-butene double-bond isomerization as a probe reaction on cesium-loaded zeolite X. <i>Applied Catalysis A: General</i> , 2003, 239, 59-70.	4.3	27
79	Transesterification of tributyrin with methanol over basic Mg:Zr mixed oxide catalysts. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 508-515.	20.2	27
80	Conversion of n-hexane and n-dodecane over H-ZSM-5, H-Y and Al-MCM-41 at supercritical conditions. <i>Applied Catalysis A: General</i> , 2017, 546, 149-158.	4.3	27
81	Use of catalytic reactions to probe Mg-Al mixed oxide surfaces. <i>Catalysis Letters</i> , 1994, 25, 87-95.	2.6	26
82	Intercalation of Ethylene Glycol into Yttrium Hydroxide Layered Materials. <i>Inorganic Chemistry</i> , 2010, 49, 3888-3895.	4.0	26
83	Influence of the Precipitation Method on Acid-Base-Catalyzed Reactions over Mg-Zr Mixed Oxides. <i>ChemCatChem</i> , 2013, 5, 1989-1997.	3.7	26
84	Ammonia Adsorption on Keggin-Type Heteropolyacid Catalysts Explored by Density Functional Quantum Chemistry Calculations. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3556-3562.	2.6	25
85	Adsorption of CO <sub>2</sub> on Model Surfaces of Cesium Oxides Determined from First Principles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16798-16805.	2.6	25
86	Ab Initio and Microcalorimetric Investigations of Alkene Adsorption on Phosphotungstic Acid. <i>Langmuir</i> , 2005, 21, 4738-4745.	3.5	25
87	Isotopic Transient Analysis of Ammonia Synthesis over Ba or Cs-Promoted Ru/Carbon Catalysts. <i>Catalysis Letters</i> , 2004, 93, 61-65.	2.6	24
88	Catalytic oxidation of solid carbon and carbon monoxide over cerium-zirconium mixed oxides. <i>AIChE Journal</i> , 2017, 63, 725-738.	3.6	23
89	Mechanistic Studies of Single-Step Styrene Production Catalyzed by Rh Complexes with Diimine Ligands: An Evaluation of the Role of Ligands and Induction Period. <i>ACS Catalysis</i> , 2019, 9, 7457-7475.	11.2	23
90	Use of infrared spectroscopy and density functional theory to study the influence of rubidium on alumina-supported molybdenum carbide catalyst for higher alcohol synthesis from syngas. <i>Journal of Catalysis</i> , 2013, 299, 150-161.	6.2	22

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91	Importance of Product Readsorption during Isotopic Transient Analysis of Ammonia Synthesis on Ba-Promoted Ru/BaX Catalyst. <i>Journal of Catalysis</i> , 2002, 211, 379-386.	6.2	21
92	Reactivity and stability of supported Pd nanoparticles during the liquid-phase and gas-phase decarbonylation of heptanoic acid. <i>Applied Catalysis A: General</i> , 2015, 504, 295-307.	4.3	21
93	Influence of Dioxygen on the Promotional Effect of Bi during Pt-Catalyzed Oxidation of 1,6-Hexanediol. <i>ACS Catalysis</i> , 2016, 6, 4206-4217.	11.2	21
94	Reaction Kinetics and Mechanism for the Catalytic Reduction of Propionic Acid over Supported ReO <sub>2</sub> Promoted by Pd. <i>ACS Catalysis</i> , 2021, 11, 1435-1455.	11.2	21
95	Turnover rates on complex heterogeneous catalysts. <i>AIChE Journal</i> , 2018, 64, 3778-3785.	3.6	20
96	In Situ Generation of Radical Coke and the Role of Coke-Catalyst Contact on Coke Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 5271-5278.	3.7	19
97	Aqueous-Phase Hydrogenation of Saturated and Unsaturated Ketones and Aldehydes over Supported Platinum-Rhenium Catalysts. <i>ChemCatChem</i> , 2016, 8, 1074-1083.	3.7	18
98	Restructuring of supported PtSn bimetallic catalysts during aqueous phase oxidation of 1,6-hexanediol. <i>Journal of Catalysis</i> , 2015, 332, 38-50.	6.2	17
99	Vapor phase deoxygenation of heptanoic acid over silica-supported palladium and palladium-tin catalysts. <i>Journal of Catalysis</i> , 2016, 344, 202-212.	6.2	17
100	Computational and Experimental Mechanistic Insights into the Ethanol-to-Butanol Upgrading Reaction over MgO. <i>ACS Catalysis</i> , 2020, 10, 15162-15177.	11.2	16
101	Structure of Pd/CeO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> Catalysts for NO <sub>x</sub> Reduction Determined By in Situ X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9653-9660.	2.6	14
102	Rapid, cost-effective DNA quantification via a visually-detectable aggregation of superparamagnetic silica-magnetite nanoparticles. <i>Nano Research</i> , 2014, 7, 755-764.	10.4	14
103	Reduction of Propionic Acid over a Pd-Promoted ReO <sub>2</sub> /SiO <sub>2</sub> Catalyst Probed by X-ray Absorption Spectroscopy and Transient Kinetic Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12353-12366.	6.7	14
104	Supported K/MoS <sub>2</sub> and K/Mo <sub>2</sub> C Catalysts for Higher Alcohol Synthesis from Synthesis Gas: Impact of Molybdenum Precursor and Metal Oxide Support on Activity and Selectivity. <i>Catalysis Letters</i> , 2014, 144, 825-830.	2.6	13
105	Catalytic reactions of coke with dioxygen and steam over alkaline-earth-metal-doped cerium-zirconium mixed oxides. <i>Applied Catalysis A: General</i> , 2017, 535, 17-23.	4.3	13
106	Influence of Cobalt on Rubidium-Promoted Alumina-Supported Molybdenum Carbide Catalysts for Higher Alcohol Synthesis from Syngas. <i>Topics in Catalysis</i> , 2013, 56, 1740-1751.	2.8	12
107	Glycerol-Intercalated Mg-Al Hydrotalcite as a Potential Solid Base Catalyst for Transesterification. <i>Clays and Clay Minerals</i> , 2010, 58, 475-485.	1.3	11
108	Raman Spectroscopy and Dioxygen Adsorption on Cs-Loaded Zeolite Catalysts for Butene Isomerization. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7141-7148.	2.6	10

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109	Ru Promoted MgO and Al-Modified MgO for Ethanol Upgrading. Topics in Catalysis, 2019, 62, 894-907.	2.8	10
110	Steam reforming of ethylene over nickel based spinel oxides. Applied Catalysis A: General, 2020, 603, 117739.	4.3	10
111	Thermally stable $\gamma$ -alumina supported ceria for coking resistance and oxidation of radical coke generated in-situ. Fuel, 2018, 218, 357-365.	6.4	9
112	Steam reforming of ethylene over manganese-chromium spinel oxides. Journal of Catalysis, 2019, 380, 224-235.	6.2	9
113	Oxidative Alkenylation of Arenes Using Supported Rh Materials: Evidence that Active Catalysts are Formed by Rh Leaching. ChemCatChem, 2021, 13, 260-270.	3.7	9
114	$\gamma$ -Alumina supported doped ceria catalysts for steam gasification and oxidation of radical coke. Chemical Engineering Research and Design, 2019, 151, 1-9.	5.6	8
115	Cascade Reaction of Ethanol to Butadiene over Multifunctional Silica-Supported Ag and ZrO <sub>2</sub> Catalysts. ACS Sustainable Chemistry and Engineering, 2022, 10, 1020-1035.	6.7	8
116	Use of kinetic models to explore the role of base promoters on Ru/MgO ammonia synthesis catalysts. Journal of Catalysis, 2004, 225, 359-359.	6.2	7
117	Gasification of Radical Coke with Steam and Steam-Hydrogen Mixtures over Manganese-Chromium Oxides. Industrial & Engineering Chemistry Research, 2020, 59, 10813-10822.	3.7	7
118	High-throughput <i>in operando</i> -ready X-ray absorption spectroscopy flow reactor cell for powder samples. Review of Scientific Instruments, 2020, 91, 013107.	1.3	7
119	Oxidation of H <sub>2</sub> and CO over Ion-Exchanged X and Y Zeolites. Journal of the American Chemical Society, 2007, 129, 3420-3425.	13.7	6
120	Understanding Catalysis Through Characterization and Synthesis of Catalysts: Gabor A. Somorjai Award and Symposium for Creative Research 2011. Topics in Catalysis, 2012, 55, 1-2.	2.8	6
121	Enhanced Coke Gasification Activity of the Mn <sub>1.5</sub> Cr <sub>1.5</sub> O <sub>4</sub> Spinel Catalyst during Coking in Ethylene-Steam Mixtures. Energy & Fuels, 2021, 35, 5271-5280.	5.1	5
122	Steam reforming kinetics of olefins and aromatics over Mn-Cr-O spinel oxides. Journal of Catalysis, 2021, 404, 964-976.	6.2	4
123	Reduction of Propanoic Acid over Pd-Promoted Supported WO <sub>x</sub> Catalysts. ChemCatChem, 2020, 12, 314-325.	3.7	3
124	Calcium Phosphate Catalysts for Ethanol Coupling to Butanol and Butadiene. Catalysis Letters, 2021, 151, 648-657.	2.6	2
125	Influence of Co on Ethylene Steam Reforming Over Co-Cr-O Spinel Catalysts. Catalysis Letters, 2021, 151, 1456-1466.	2.6	1
126	Anticoking Performance of Electrodeposited Mn/MnO Surface Coating on Fe-Ni-Cr Alloy during Steam Cracking. ACS Engineering Au, 2021, 1, 73-84.	5.1	1



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127	Basic Nanostructured Catalysts. , 2008, , 278-287.		0
128	Selective Oxidation/Dehydrogenation Reactions. Springer Briefs in Molecular Science, 2013, , 11-31.	0.1	0
129	Gold Catalysts Stability. Springer Briefs in Molecular Science, 2013, , 47-49.	0.1	0