Stuart H. Taylor

List of Publications by Year
in descending order

266	12,596	20817 60	38395 95
papers	citations	h-index	g-index

282	282	282	11002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solvent-Free Oxidation of Primary Carbon-Hydrogen Bonds in Toluene Using Au-Pd Alloy Nanoparticles. Science, 2011, 331, 195-199.	12.6	708
2	Direct Catalytic Conversion of Methane to Methanol in an Aqueous Medium by using Copperâ€Promoted Feâ€ZSMâ€5. Angewandte Chemie - International Edition, 2012, 51, 5129-5133.	13.8	492
3	Aqueous Au-Pd colloids catalyze selective CH ₄ oxidation to CH ₃ OH with O ₂ under mild conditions. Science, 2017, 358, 223-227.	12.6	478
4	Oxidation of Methane to Methanol with Hydrogen Peroxide Using Supported Goldâ€“Palladium Alloy Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 1280-1284.	13.8	239
5	Uranium-oxide-based catalysts for the destruction of volatile chloro-organic compounds. Nature, 1996, 384, 341-343.	27.8	235
6	Total oxidation of propane using nanocrystalline cobalt oxide and supported cobalt oxide catalysts. Applied Catalysis B: Environmental, 2008, 84, 176-184.	20.2	221
7	Selective Oxidation of Glycerol by Highly Active Bimetallic Catalysts at Ambient Temperature under Baseâ€Free Conditions. Angewandte Chemie - International Edition, 2011, 50, 10136-10139.	13.8	212
8	Modified zeolite ZSM-5 for the methanol to aromatics reaction. Catalysis Science and Technology, 2012, 2, 105-112.	4.1	174
9	Effect of preparation conditions on the catalytic performance of copper manganese oxide catalysts for CO oxidation. Applied Catalysis A: General, 1998, 166, 143-152.	4.3	165
10	Supported gold catalysts for the total oxidation of alkanes and carbon monoxide. Applied Catalysis A: General, 2006, 312, 67-76.	4.3	134
11	Oxidation of alcohols using supported gold and goldâ€“palladium nanoparticles. Faraday Discussions, 0, 145, 341-356.	3.2	128
12	Synthesis of Stable Ligand-free Goldâ€“Palladium Nanoparticles Using a Simple Excess Anion Method. ACS Nano, 2012, 6, 6600-6613.	14.6	128
13	Stable amorphous georgeite as a precursor to a high-activity catalyst. Nature, 2016, 531, 83-87.	27.8	128
14	Elucidation and Evolution of the Active Component within Cu/Fe/ZSM-5 for Catalytic Methane Oxidation: From Synthesis to Catalysis. ACS Catalysis, 2013, 3, 689-699.	11.2	117
15	Continuous selective oxidation of methane to methanol over Cu- and Fe-modified ZSM-5 catalysts in a flow reactor. Catalysis Today, 2016, 270, 93-100.	4.4	113
16	Characterization of Uranium Oxides Using in Situ Micro-Raman Spectroscopy. Applied Spectroscopy, 2000, 54, 1372-1378.	2.2	109
17	Rubidium- and caesium-doped silicotungstic acid catalysts supported on alumina for the catalytic dehydration of glycerol to acrolein. Journal of Catalysis, 2012, 286, 206-213.	6.2	106
18	Efficient green methanol synthesis from glycerol. Nature Chemistry, 2015, 7, 1028-1032.	13.6	106

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19	Solvent-free oxidation of benzyl alcohol using titania-supported goldâ€“palladium catalysts: Effect of Auâ€“Pd ratio on catalytic performance. Catalysis Today, 2007, 122, 407-411.	4.4	104
20	Goldâ€“Palladium Coreâ€“Shell Nanocrystals with Size and Shape Control Optimized for Catalytic Performance. Angewandte Chemie - International Edition, 2013, 52, 1477-1480.	13.8	104
21	Catalytic and Mechanistic Insights of the Lowâ€Temperature Selective Oxidation of Methane over Cuâ€Promoted Feâ€ZSMâ€5. Chemistry - A European Journal, 2012, 18, 15735-15745.	3.3	102
22	Catalytic synthesis of methanol and formaldehyde by partial oxidation of methane. Fuel Processing Technology, 1995, 42, 151-178.	7.2	101
23	Controlling the Duality of the Mechanism in Liquidâ€Phase Oxidation of Benzyl Alcohol Catalysed by Supported Auâ€“Pd Nanoparticles. Chemistry - A European Journal, 2011, 17, 6524-6532.	3.3	100
24	Aqueous-Phase Methane Oxidation over Fe-MFI Zeolites; Promotion through Isomorphous Framework Substitution. ACS Catalysis, 2013, 3, 1835-1844.	11.2	99
25	Selective Oxidation of Methane to Methanol Using Supported AuPd Catalysts Prepared by Stabilizer-Free Sol-Immobilization. ACS Catalysis, 2018, 8, 2567-2576.	11.2	99
26	Selective formation of lactate by oxidation of 1,2-propanediol using gold palladium alloy supported nanocrystals. Green Chemistry, 2009, 11, 1209.	9.0	97
27	Naphthalene total oxidation over metal oxide catalysts. Applied Catalysis B: Environmental, 2006, 66, 92-99.	20.2	95
28	The activity and mechanism of uranium oxide catalysts for the oxidative destruction of volatile organic compounds. Catalysis Today, 2000, 59, 249-259.	4.4	92
29	Efficient Elimination of Chlorinated Organics on a Phosphoric Acid Modified CeO₂ Catalyst: A Hydrolytic Destruction Route. Environmental Science & Technology, 2019, 53, 12697-12705.	10.0	91
30	Involvement of Surfaceâ€Bound Radicals in the Oxidation of Toluene Using Supported Auâ€Pd Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 5981-5985.	13.8	89
31	Ceria prepared using supercritical antisolvent precipitation: a green support for goldâ€“palladium nanoparticles for the selective catalytic oxidation of alcohols. Journal of Materials Chemistry, 2009, 19, 8619.	6.7	88
32	Ambient temperature CO oxidation using copper manganese oxide catalysts prepared by coprecipitation: effect of ageing on catalyst performance. Catalysis Letters, 1996, 42, 21-24.	2.6	84
33	Partial Oxidation of Ethane to Oxygenates Using Fe- and Cu-Containing ZSM-5. Journal of the American Chemical Society, 2013, 135, 11087-11099.	13.7	83
34	Characterisation of copper-manganese oxide catalysts: effect of precipitate ageing upon the structure and morphology of precursors and catalysts. Applied Catalysis A: General, 2003, 253, 499-508.	4.3	82
35	Total oxidation of volatile organic compounds by vanadium promoted palladium-titania catalysts: Comparison of aromatic and polyaromatic compounds. Applied Catalysis B: Environmental, 2006, 62, 66-76.	20.2	82
36	Nanocrystalline cerium oxide produced by supercritical antisolvent precipitation as a support for high-activity gold catalysts. Journal of Catalysis, 2007, 249, 208-219.	6.2	82

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37	Copper manganese oxide catalysts for ambient temperature carbon monoxide oxidation: Effect of calcination on activity. Journal of Molecular Catalysis A, 2009, 305, 121-124.	4.8	82
38	Metastable Ionic Diodes Derived from an Amineâ€Based Polymer of Intrinsic Microporosity. Angewandte Chemie - International Edition, 2014, 53, 10751-10754.	13.8	81
39	Deep oxidation of pollutants using gold deposited on a high surface area cobalt oxide prepared by a nanocasting route. Journal of Hazardous Materials, 2011, 187, 544-552.	12.4	80
40	Co-precipitated copper zinc oxide catalysts for ambient temperature carbon monoxide oxidation: effect of precipitate ageing on catalyst activity. Physical Chemistry Chemical Physics, 2002, 4, 5915-5920.	2.8	79
41	Chemically Induced Fast Solid-State Transitions of Â-VOPO4 in Vanadium Phosphate Catalysts. Science, 2006, 313, 1270-1273.	12.6	79
42	Methyl Formate Formation from Methanol Oxidation Using Supported Goldâ€“Palladium Nanoparticles. ACS Catalysis, 2015, 5, 637-644.	11.2	78
43	Epoxide ring-opening and Meinwald rearrangement reactions of epoxides catalyzed by mesoporous aluminosilicates. Organic and Biomolecular Chemistry, 2009, 7, 2559.	2.8	74
44	Oxidation of benzyl alcohol using supported goldâ€“palladium nanoparticles. Catalysis Today, 2011, 163, 47-54.	4.4	73
45	Influence of the preparation method on the activity of ceria zirconia mixed oxides for naphthalene total oxidation. Applied Catalysis B: Environmental, 2013, 132-133, 98-106.	20.2	73
46	Baseâ€Free Oxidation of Glycerol Using Titaniaâ€Supported Trimetallic Auâ€“Pdâ€“Pt Nanoparticles. ChemSusChem, 2014, 7, 1326-1334.	6.8	73
47	Study of the magnetite to maghemite transition using microwave permittivity and permeability measurements. Journal of Physics Condensed Matter, 2016, 28, 106002.	1.8	73
48	Synergy between tungsten and palladium supported on titania for the catalytic total oxidation of propane. Journal of Catalysis, 2012, 285, 103-114.	6.2	71
49	Base-free glucose oxidation using air with supported gold catalysts. Green Chemistry, 2014, 16, 3132-3141.	9.0	71
50	Deep oxidation of light alkanes over titania-supported palladium/vanadium catalysts. Journal of Catalysis, 2005, 229, 1-11.	6.2	70
51	Oxidation of benzyl alcohol using supported goldâ€“palladium nanoparticles. Catalysis Today, 2011, 164, 315-319.	4.4	70
52	Oxygen defects: The key parameter controlling the activity and selectivity of mesoporous copper-doped ceria for the total oxidation of naphthalene. Applied Catalysis B: Environmental, 2012, 127, 77-88.	20.2	70
53	Methane Oxidation to Methanol in Water. Accounts of Chemical Research, 2021, 54, 2614-2623.	15.6	69
54	Nanocrystalline cobalt oxide: a catalyst for selective alkane oxidation under ambient conditions. Chemical Communications, 2006, , 3417-3419.	4.1	68

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55	Influence of preparation conditions of nano-crystalline ceria catalysts on the total oxidation of naphthalene, a model polycyclic aromatic hydrocarbon. Applied Catalysis B: Environmental, 2007, 76, 248-256.	20.2	68
56	Ambient temperature carbon monoxide oxidation using copper manganese oxide catalysts: Effect of residual Na+ acting as catalyst poison. Catalysis Communications, 2003, 4, 17-20.	3.3	67
57	Insight into the efficient oxidation of methyl-ethyl-ketone over hierarchically micro-mesostructured Pt/K-(Al)SiO2 nanorod catalysts: Structure-activity relationships and mechanism. Applied Catalysis B: Environmental, 2018, 226, 220-233.	20.2	67
58	Direct and oxidative dehydrogenation of propane: from catalyst design to industrial application. Green Chemistry, 2021, 23, 9747-9799.	9.0	66
59	Switching-off toluene formation in the solvent-free oxidation of benzyl alcohol using supported trimetallic Auâ€“Pdâ€“Pt nanoparticles. Faraday Discussions, 2013, 162, 365.	3.2	65
60	Promoting the activity and selectivity of high surface area Niâ€“Ceâ€“O mixed oxides by gold deposition for VOC catalytic combustion. Chemical Engineering Journal, 2011, 175, 271-278.	12.7	64
61	Low temperature selective oxidation of methane to methanol using titania supported gold palladium copper catalysts. Catalysis Science and Technology, 2016, 6, 3410-3418.	4.1	64
62	The catalytic performance of mesoporous cerium oxides prepared through a nanocasting route for the total oxidation of naphthalene. Applied Catalysis B: Environmental, 2010, 93, 395-405.	20.2	62
63	Reactivity of Ga2O3 Clusters on Zeolite ZSM-5 for the Conversion of Methanol to Aromatics. Catalysis Letters, 2012, 142, 1049-1056.	2.6	61
64	Heterogeneous Trimetallic Nanoparticles as Catalysts. Chemical Reviews, 2022, 122, 6795-6849.	47.7	61
65	Nano-crystalline Ceria Catalysts for the Abatement of Polycyclic Aromatic Hydrocarbons. Catalysis Letters, 2005, 105, 183-189.	2.6	60
66	The effect of heat treatment on phase formation of copper manganese oxide: Influence on catalytic activity for ambient temperature carbon monoxide oxidation. Journal of Catalysis, 2011, 281, 279-289.	6.2	58
67	The selective oxidation of 1,2-propanediol to lactic acid using mild conditions and gold-based nanoparticulate catalysts. Catalysis Today, 2013, 203, 139-145.	4.4	58
68	Enhanced selectivity to propene in the methanol to hydrocarbons reaction by use of ZSM-5/11 intergrowth zeolite. Microporous and Mesoporous Materials, 2012, 164, 207-213.	4.4	57
69	Selective suppression of disproportionation reaction in solvent-less benzyl alcohol oxidation catalysed by supported Auâ€“Pd nanoparticles. Catalysis Today, 2013, 203, 146-152.	4.4	57
70	Oxidation of Benzyl Alcohol by using Gold Nanoparticles Supported on Ceria Foam. ChemSusChem, 2012, 5, 125-131.	6.8	56
71	The partial oxidation of methane to methanol: An approach to catalyst design. Catalysis Today, 1998, 42, 217-224.	4.4	55
72	Complete oxidation of short chain alkanes using a nanocrystalline cobalt oxide catalyst. Catalysis Letters, 2007, 116, 116-121.	2.6	55

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73	Ethanol to 1,3â€Butadiene Conversion by using ZrZnâ€Containing MgO/SiO₂ Systems Prepared by Coâ€precipitation and Effect of Catalyst Acidity Modification. ChemCatChem, 2016, 8, 2376-2386.	3.7	54
74	Au/ZnO and Au/Fe2O3 catalysts for CO oxidation at ambient temperature: comments on the effect of synthesis conditions on the preparation of high activity catalysts prepared by coprecipitation. Topics in Catalysis, 2007, 44, 123-128.	2.8	53
75	Mechanochemical synthesis of copper manganese oxide for the ambient temperature oxidation of carbon monoxide. Applied Catalysis B: Environmental, 2015, 165, 222-231.	20.2	53
76	High activity mesoporous copper doped cerium oxide catalysts for the total oxidation of polyaromatic hydrocarbon pollutants. Chemical Communications, 2012, 48, 4704.	4.1	52
77	TAP reactor study of the deep oxidation of propane using cobalt oxide and gold-containing cobalt oxide catalysts. Applied Catalysis A: General, 2009, 365, 222-230.	4.3	50
78	Synthesis of high surface area CuMn2O4 by supercritical anti-solvent precipitation for the oxidation of CO at ambient temperature. Catalysis Science and Technology, 2011, 1, 740.	4.1	50
79	Green preparation of transition metal oxide catalysts using supercritical CO2 anti-solvent precipitation for the total oxidation of propane. Applied Catalysis B: Environmental, 2013, 140-141, 671-679.	20.2	50
80	Nanoporous aluminosilicate catalyzed Friedelâ€“Crafts alkylation reactions of indoles with aldehydes and acetals. Green Chemistry, 2011, 13, 2320.	9.0	49
81	Fe2(MoO4)3/MoO3 nano-structured catalysts for the oxidation of methanol to formaldehyde. Journal of Catalysis, 2012, 296, 55-64.	6.2	49
82	Total oxidation of naphthalene using bulk manganese oxide catalysts. Applied Catalysis A: General, 2013, 450, 169-177.	4.3	49
83	The effect of gold addition on the catalytic performance of copper manganese oxide catalysts for the total oxidation of propane. Applied Catalysis B: Environmental, 2011, 101, 388-396.	20.2	47
84	Designing oxidation catalysts. Catalysis Today, 1999, 49, 105-113.	4.4	46
85	TAP studies of CO oxidation over CuMnO and Au/CuMnO catalysts. Journal of Catalysis, 2010, 276, 38-48.	6.2	46
86	Solvent Effect and Reactivity Trend in the Aerobic Oxidation of 1,3â€Propanediols over Gold Supported on Titania: NMR Diffusion and Relaxation Studies. Chemistry - A European Journal, 2013, 19, 11725-11732.	3.3	46
87	Ceriaâ€“Zirconia Mixed Metal Oxides Prepared via Mechanochemical Grinding of Carbonates for the Total Oxidation of Propane and Naphthalene. Catalysts, 2019, 9, 475.	3.5	45
88	New Nanocrystalline Cu/MnO_x Catalysts Prepared from Supercritical Antisolvent Precipitation. ChemCatChem, 2009, 1, 247-251.	3.7	44
89	Mechanochemical preparation of ceria-zirconia catalysts for the total oxidation of propane and naphthalene Volatile Organic Compounds. Applied Catalysis B: Environmental, 2019, 253, 331-340.	20.2	44
90	The preparation and activity of copper zinc oxide catalysts for ambient temperature carbon monoxide oxidation. Catalysis Today, 2003, 84, 113-119.	4.4	43

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91	A density functional theory study of the adsorption of acetone to the (111) surface of Pt: Implications for hydrogenation catalysis. Catalysis Today, 2005, 105, 85-92.	4.4	43
92	The preparation of large surface area lanthanum based perovskite supports for AuPt nanoparticles: tuning the glycerol oxidation reaction pathway by switching the perovskite B site. Faraday Discussions, 2016, 188, 427-450.	3.2	41
93	Improvement of the catalytic performance of CuMnOx catalysts for CO oxidation by the addition of Au. New Journal of Chemistry, 2004, 28, 708.	2.8	40
94	Oxidation of Benzyl Alcohol and Carbon Monoxide Using Gold Nanoparticles Supported on MnO₂ Nanowire Microspheres. Chemistry - A European Journal, 2014, 20, 1701-1710.	3.3	40
95	A study of the methaneâ€“deuterium exchange reaction over a range of metal oxides. Applied Catalysis A: General, 2002, 227, 191-200.	4.3	39
96	Oneâ€Step Production of 1,3â€Butadiene from 2,3â€Butanediol Dehydration. Chemistry - A European Journal, 2016, 22, 12290-12294.	3.3	39
97	The selective hydrogenation of furfural over supported palladium nanoparticle catalysts prepared by sol-immobilisation: effect of catalyst support and reaction conditions. Catalysis Science and Technology, 2018, 8, 252-267.	4.1	39
98	Physical mixing of metal acetates: a simple, scalable method to produce active chloride free bimetallic catalysts. Chemical Science, 2012, 3, 2965.	7.4	38
99	Etherification Reactions of Furfuryl Alcohol in the Presence of Orthoesters and Ketals: Application to the Synthesis of Furfuryl Ether Biofuels. ACS Sustainable Chemistry and Engineering, 2018, 6, 4996-5002.	6.7	38
100	Low temperature selective oxidation of methane using gold-palladium colloids. Catalysis Today, 2020, 342, 32-38.	4.4	38
101	A study of uranium oxide based catalysts for the oxidative destruction of short chain alkanes. Applied Catalysis B: Environmental, 2000, 25, 137-149.	20.2	37
102	Synthesis of nanoporous aluminosilicate materials and their application as highly selective heterogeneous catalysts for the synthesis of Î²-amino alcohols. Journal of Molecular Catalysis A, 2010, 329, 57-63.	4.8	37
103	Simultaneous removal of NOx and soot particulate from diesel exhaust by in-situ catalytic generation and utilisation of N2O. Applied Catalysis B: Environmental, 2018, 239, 10-15.	20.2	37
104	Cobalt promoted copper manganese oxide catalysts for ambient temperature carbon monoxide oxidation. Chemical Communications, 2008, , 1707.	4.1	36
105	The Effect of Grafting Zirconia and Ceria onto Alumina as a Support for Silicotungstic Acid for the Catalytic Dehydration of Glycerol to Acrolein. Chemistry - A European Journal, 2014, 20, 1743-1752.	3.3	36
106	The surface of iron molybdate catalysts used for the selective oxidation of methanol. Surface Science, 2016, 648, 163-169.	1.9	36
107	Catalytic Partial Oxidation of Cyclohexane by Bimetallic Ag/Pd Nanoparticles on Magnesium Oxide. Chemistry - A European Journal, 2017, 23, 11834-11842.	3.3	36
108	A temporal analysis of products study of the mechanism of VOC catalytic oxidation using uranium oxide catalysts. Catalysis Today, 1999, 54, 3-12.	4.4	35

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109	Effect of the addition of Au on Co/TiO2 catalyst for the Fischerâ€“Tropsch reaction. Topics in Catalysis, 2007, 44, 129-136.	2.8	35
110	Deep oxidation of propane using palladiumâ€“titania catalysts modified by niobium. Applied Catalysis A: General, 2008, 350, 63-70.	4.3	35
111	Pulsed-Field Gradient NMR Spectroscopic Studies of Alcohols in Supported Gold Catalysts. Journal of Physical Chemistry C, 2011, 115, 1073-1079.	3.1	35
112	The decomposition of H ₂ O ₂ over the components of Au/TiO ₂ Âcatalysts. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1885-1899.	2.1	35
113	Systematic Study of the Oxidation of Methane Using Supported Gold Palladium Nanoparticles Under Mild Aqueous Conditions. Topics in Catalysis, 2013, 56, 1843-1857.	2.8	35
114	Deactivation studies of a carbon supported AuPt nanoparticulate catalyst in the liquid-phase aerobic oxidation of 1,2-propanediol. Catalysis Science and Technology, 2014, 4, 1313-1322.	4.1	34
115	Au deposited on CeO2 prepared by a nanocasting route: A high activity catalyst for CO oxidation. Journal of Catalysis, 2014, 317, 167-175.	6.2	34
116	High-Temperature Stable Gold Nanoparticle Catalysts for Application under Severe Conditions: The Role of TiO₂ Nanodomains in Structure and Activity. ACS Catalysis, 2015, 5, 1078-1086.	11.2	34
117	An initial strategy for the design of improved catalysts for methane partial oxidation. Applied Catalysis A: General, 1995, 126, 287-296.	4.3	33
118	Calculations on the adsorption of Au to MgO surfaces using SIESTA. Journal of Materials Chemistry, 2006, 16, 1978.	6.7	33
119	The Selective Oxidation of 1,2-Propanediol by Supported Gold-Based Nanoparticulate Catalysts. Topics in Catalysis, 2012, 55, 1283-1288.	2.8	33
120	The effect of sodium species on methanol synthesis and waterâ€“gas shift Cu/ZnO catalysts: utilising high purity zincian georgeite. Faraday Discussions, 2017, 197, 287-307.	3.2	33
121	Multiphase hydrogenation of resorcinol in structured and heat exchange reactor systems. Catalysis Today, 2007, 128, 26-35.	4.4	32
122	A comparison of Au/Co/Al2O3 and Au/Co/SiO2 catalysts in the Fischerâ€“Tropsch reaction. Applied Catalysis A: General, 2011, 395, 1-9.	4.3	32
123	Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. Catalysis Science and Technology, 2012, 2, 97-104.	4.1	32
124	Total oxidation of propane in vanadia-promoted platinum-alumina catalysts: Influence of the order of impregnation. Catalysis Today, 2015, 254, 12-20.	4.4	32
125	A new class of Cu/ZnO catalysts derived from zincian georgeite precursors prepared by co-precipitation. Chemical Science, 2017, 8, 2436-2447.	7.4	32
126	Investigating the influence of acid sites in continuous methane oxidation with N₂O over Fe/MFI zeolites. Catalysis Science and Technology, 2018, 8, 154-163.	4.1	32

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127	The Oxidative Destruction of Hydrocarbon Volatile Organic Compounds Using Palladiumâ€“Vanadiaâ€“Titania Catalysts. Catalysis Letters, 2004, 97, 99-103.	2.6	31
128	The hydrogenation of isophorone to trimethyl cyclohexanone using the downflow single capillary reactor. Catalysis Today, 2005, 105, 569-573.	4.4	31
129	Total oxidation of naphthalene using palladium nanoparticles supported on BETA, ZSM-5, SAPO-5 and alumina powders. Applied Catalysis B: Environmental, 2013, 129, 98-105.	20.2	31
130	A Kinetic Study of Methane Partial Oxidation over Feâ€ZSMâ€5 Using N₂O as an Oxidant. ChemPhysChem, 2018, 19, 402-411.	2.1	31
131	Preparation of a highly active ternary Cu-Zn-Al oxide methanol synthesis catalyst by supercritical CO2 anti-solvent precipitation. Catalysis Today, 2018, 317, 12-20.	4.4	31
132	High temperature COS hydrolysis catalysed by Î³-Al2O3. Catalysis Letters, 2006, 110, 243-246.	2.6	30
133	Methane oxidation using silica-supported N-bridged di-iron phthalocyanine catalyst. Journal of Catalysis, 2012, 290, 177-185.	6.2	30
134	Conversion of levulinic acid to levulinate ester biofuels by heterogeneous catalysts in the presence of acetals and ketals. Applied Catalysis B: Environmental, 2021, 293, 120219.	20.2	30
135	A study of â€œsuperacidicâ€•MoO3/ZrO2 catalysts for methane oxidation. Catalysis Letters, 1999, 57, 109-113.	2.6	29
136	The Catalytic Total Oxidation of Polycyclic Aromatic Hydrocarbons. Topics in Catalysis, 2009, 52, 528-541.	2.8	29
137	Ceria and Gold/Ceria Catalysts for the Abatement of Polycyclic Aromatic Hydrocarbons: An InÂSitu DRIFTS Study. Topics in Catalysis, 2009, 52, 492-500.	2.8	29
138	Novel cobalt zinc oxide Fischerâ€“Tropsch catalysts synthesised using supercritical anti-solvent precipitation. Catalysis Science and Technology, 2014, 4, 1970-1978.	4.1	29
139	Supercritical antisolvent precipitation of TiO2 with tailored anatase/rutile composition for applications in redox catalysis and photocatalysis. Applied Catalysis A: General, 2015, 504, 62-73.	4.3	29
140	Fischer Tropsch synthesis using cobalt based carbon catalysts. Catalysis Today, 2016, 275, 35-39.	4.4	29
141	Experimental Evaluation of a Three-Phase Downflow Capillary Reactor. Industrial & Engineering Chemistry Research, 2005, 44, 6295-6303.	3.7	28
142	Copper Manganese Oxide Catalysts Modified by Gold Deposition: The Influence on Activity for Ambient Temperature Carbon Monoxide Oxidation. Catalysis Letters, 2010, 138, 143-147.	2.6	28
143	CO bond cleavage on supported nano-gold during low temperature oxidation. Physical Chemistry Chemical Physics, 2011, 13, 2528-2538.	2.8	28
144	Selective Oxidation of nâ€Butanol Using Goldâ€Palladium Supported Nanoparticles Under Baseâ€Free Conditions. ChemSusChem, 2015, 8, 473-480.	6.8	28

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145	Naphthalene oxidation over vanadium-modified Pt catalysts supported on Î³-Al2O3. Catalysis Letters, 2006, 110, 125-128.	2.6	27
146	Synthesis and catalytic activity of nanoporous aluminosilicate materials. Journal of Molecular Catalysis A, 2009, 314, 10-14.	4.8	26
147	The partial oxidation of propane to formaldehyde using uranium mixed oxide catalysts. Catalysis Today, 2003, 81, 171-178.	4.4	25
148	The Oxidative Dehydrogenation of Propane Using Vanadium Oxide Supported on Nanocrystalline Ceria. Topics in Catalysis, 2009, 52, 1660-1668.	2.8	25
149	High Activity Redox Catalysts Synthesized by Chemical Vapor Impregnation. ACS Nano, 2014, 8, 957-969.	14.6	25
150	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. Langmuir, 2015, 31, 12300-12306.	3.5	25
151	Methane partial oxidation to methanol over Ga2O3 based catalysts: use of the CH4/D2 exchange reaction as a design tool. Chemical Communications, 1996, , 523.	4.1	24
152	Silica and boron nitride supported molybdenum and vanadium oxide catalysts for propane oxidation. Catalysis Today, 2003, 81, 179-188.	4.4	24
153	Observation of high enantioselectivity for the gas phase hydrogenation of methyl pyruvate using supported Pt catalysts pre-modified with cinchonidineElectronic supplementary information (ESI) available: use of the Kelvin equation and reactant partial pressure to estimate the effective partial pressure for condensation as a function of pore radius. See http://www.rsc.org/suppdata/cc/b3/b304976k/. Chemical Communications, 2003, , 1926.	4.1	24
154	Total oxidation of naphthalene with high selectivity using a ceria catalyst prepared by a combustion method employing ethylene glycol. Journal of Hazardous Materials, 2009, 171, 393-399.	12.4	24
155	Low temperature catalytic partial oxidation of ethane to oxygenates by Feâ€“ and Cuâ€“ZSM-5 in a continuous flow reactor. Journal of Catalysis, 2015, 330, 84-92.	6.2	24
156	An Overview of Recent Advances of the Catalytic Selective Oxidation of Ethane to Oxygenates. Catalysts, 2016, 6, 71.	3.5	24
157	Oxidation of isobutene to methacrolein using bismuth molybdate catalysts: Comparison of operation in periodic and continuous feed mode. Journal of Catalysis, 2005, 236, 282-291.	6.2	23
158	The role of support on the performance of platinum-based catalysts for the total oxidation of polycyclic aromatic hydrocarbons. Catalysis Today, 2008, 137, 362-366.	4.4	23
159	Total oxidation of naphthalene using copper manganese oxide catalysts. Catalysis Today, 2015, 258, 610-615.	4.4	23
160	Insights into the Reaction Mechanism of Cyclohexane Oxidation Catalysed by Molybdenum Blue Nanorings. Catalysis Letters, 2016, 146, 126-135.	2.6	23
161	The selective oxidation of n-butanol to butyraldehyde by oxygen using stable Pt-based nanoparticulate catalysts: an efficient route for upgrading aqueous biobutanol. Catalysis Science and Technology, 2016, 6, 4201-4209.	4.1	23
162	Glycerol Selective Oxidation to Lactic Acid over AuPt Nanoparticles; Enhancing Reaction Selectivity and Understanding by Support Modification. ChemCatChem, 2020, 12, 3097-3107.	3.7	23

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