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	Ironâ€‘chromium mixed metal oxides catalyse the oxidative dehydrogenation of propane using carbon dioxide. Catalysis Communications, 2022, 162, 106383.	3.3	4
2	Heterogeneous Trimetallic Nanoparticles as Catalysts. Chemical Reviews, 2022, 122, 6795-6849.	47.7	61
3	The Critical Role of Î²PdZn Alloy in Pd/ZnO Catalysts for the Hydrogenation of Carbon Dioxide to Methanol. ACS Catalysis, 2022, 12, 5371-5379.	11.2	23
4	The Effect of Potassium Inclusion in a Silver Catalyst for N2O-Mediated Oxidation of Soot in Oxidising Exhaust Gases. Catalysts, 2022, 12, 753.	3.5	0
5	The promoter effect of Nb species on the catalytic performance of Ir-based catalysts for VOCs total oxidation. Journal of Environmental Chemical Engineering, 2022, 10, 108261.	6.7	2
6	The direct synthesis of hydrogen peroxide over Au and Pd nanoparticles: A DFT study. Catalysis Today, 2021, 381, 76-85.	4.4	11
7	A combined periodic DFT and QM/MM approach to understand the radical mechanism of the catalytic production of methanol from glycerol. Faraday Discussions, 2021, 229, 108-130.	3.2	5
8	Characterisation and activity of mixed metal oxide catalysts for the gas-phase selective oxidation of toluene. Catalysis Today, 2021, 363, 73-84.	4.4	5
9	Controlled reduction of aromaticity of alkylated polyaromatic compounds by selective oxidation using H₂WO₄, H₃PO₄ and H₂O₂: a route for upgrading heavy oil fractions. New Journal of Chemistry, 2021, 45, 13885-13892.	2.8	1
10	Structure Sensitivity and Hydration Effects in Pt/TiO2 and Pt/TiO2â€“SiO2 Catalysts for NO and Propane Oxidation. Topics in Catalysis, 2021, 64, 955-964.	2.8	1
11	Gas Phase Glycerol Valorization over Ceria Nanostructures with Well-Defined Morphologies. ACS Catalysis, 2021, 11, 4893-4907.	11.2	13
12	A Career in Catalysis: Graham J. Hutchings. ACS Catalysis, 2021, 11, 5916-5933.	11.2	2
13	Controlling Radical Intermediates in Photocatalytic Conversion of Low-Carbon-Number Alcohols. ACS Sustainable Chemistry and Engineering, 2021, 9, 6188-6202.	6.7	18
14	Combination of Cu/ZnO Methanol Synthesis Catalysts and ZSM-5 Zeolites to Produce Oxygenates from CO2 and H2. Topics in Catalysis, 2021, 64, 965-973.	2.8	6
15	Methane Oxidation to Methanol in Water. Accounts of Chemical Research, 2021, 54, 2614-2623.	15.6	69
16	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
17	Direct and oxidative dehydrogenation of propane: from catalyst design to industrial application. Green Chemistry, 2021, 23, 9747-9799.	9.0	66
18	Highly Active Co3O4-Based Catalysts for Total Oxidation of Light C1â€“C3 Alkanes Prepared by a Simple Soft Chemistry Method: Effect of the Heat-Treatment Temperature and Mixture of Alkanes. Materials, 2021, 14, 7120.	2.9	7

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19	The Influence of Precursor on the Preparation of CeO2 Catalysts for the Total Oxidation of the Volatile Organic Compound Propane. Catalysts, 2021, 11, 1461.	3.5	5
20	Low temperature selective oxidation of methane using gold-palladium colloids. Catalysis Today, 2020, 342, 32-38.	4.4	38
21	Low temperature solvent-free allylic oxidation of cyclohexene using graphitic oxide catalysts. Catalysis Today, 2020, 357, 3-7.	4.4	8
22	Ceria nanorod supported gold nanoparticles as structured catalysts for the oxidative steam reforming of methanol: Effect of CTAB concentration on physiochemical properties and catalyst performance. Journal of Catalysis, 2020, 392, 254-265.	6.2	11
23	Influence of the Preparation Method of Ag-K/CeO2-ZrO2-Al2O3 Catalysts on Their Structure and Activity for the Simultaneous Removal of Soot and NOx. Catalysts, 2020, 10, 294.	3.5	9
24	CO₂ Hydrogenation to CH₃OH over PdZn Catalysts, with Reduced CH₄ Production. ChemCatChem, 2020, 12, 6024-6032.	3.7	16
25	Ambient Temperature CO Oxidation Using Palladiumâ€“Platinum Bimetallic Catalysts Supported on Tin Oxide/Alumina. Catalysts, 2020, 10, 1223.	3.5	5
26	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
27	Adipic acid formation from cyclohexanediol using platinum and vanadium catalysts: elucidating the role of homogeneous vanadium species. Catalysis Science and Technology, 2020, 10, 4210-4218.	4.1	9
28	Enhancement in the rate of nitrate degradation on Au- and Ag-decorated TiO2 photocatalysts. Catalysis Science and Technology, 2020, 10, 2082-2091.	4.1	14
29	Insights into the production of upgraded biofuels using Mgâ€loaded mesoporous ZSMâ€5 zeolites. ChemCatChem, 2020, 12, 5236-5249.	3.7	9
30	Catalysts for Oxidative Destruction of Volatile Organic Compounds. Catalysts, 2020, 10, 343.	3.5	3
31	Enhancing the understanding of the glycerol to lactic acid reaction mechanism over AuPt/TiO2 under alkaline conditions. Journal of Chemical Physics, 2020, 152, 134705.	3.0	21
32	The formation of methanol from glycerol bio-waste over doped ceria-based catalysts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200059.	3.4	2
33	Metal Triflate-Promoted Allylic Substitution Reactions of Cinnamyl Alcohol in the Presence of Orthoesters and Acetals. ACS Omega, 2019, 4, 15985-15991.	3.5	2
34	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
35	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
36	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

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37	Investigating the Influence of Reaction Conditions and the Properties of Ceria for the Valorisation of Glycerol. Energies, 2019, 12, 1359.	3.1	10
38	New insights for the valorisation of glycerol over MgO catalysts in the gas-phase. Catalysis Science and Technology, 2019, 9, 1464-1475.	4.1	12
39	The Key Role of Nanocasting in Goldâ€based Fe₂O₃ Nanocasted Catalysts for Oxygen Activation at the Metalâ€support Interface. ChemCatChem, 2019, 11, 1915-1927.	3.7	13
40	Low-Temperature Catalytic Selective Oxidation of Methane to Methanol. Green Chemistry and Sustainable Technology, 2019, , 37-59.	0.7	3
41	Dominant Effect of Support Wettability on the Reaction Pathway for Catalytic Wet Air Oxidation over Pt and Ru Nanoparticle Catalysts. ACS Catalysis, 2018, 8, 2730-2734.	11.2	19
42	Understanding the role of Ti-rich domains in the stabilization of gold nanoparticles on mesoporous silica-based catalysts. Journal of Catalysis, 2018, 360, 187-200.	6.2	4
43	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
44	A Kinetic Study of Methane Partial Oxidation over Feâ€ZSMâ€5 Using N₂O as an Oxidant. ChemPhysChem, 2018, 19, 402-411.	2.1	31
45	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
46	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
47	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
48	The Role of Copper Speciation in the Low Temperature Oxidative Upgrading of Short Chain Alkanes over Cu/ZSMâ€5 Catalysts. ChemPhysChem, 2018, 19, 469-478.	2.1	22
49	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
50	Oxidation of Polynuclear Aromatic Hydrocarbons using Rutheniumâ€Ionâ€Catalyzed Oxidation: The Role of Aromatic Ring Number in Reaction Kinetics and Product Distribution. Chemistry - A European Journal, 2018, 24, 655-662.	3.3	9
51	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
52	Nanoporous Aluminosilicate-Catalyzed Telescoped Acetalization-Direct Aldol Reactions of Acetals with 1,3-Dicarbonyl Compounds. ACS Omega, 2018, 3, 15482-15491.	3.5	11
53	The Low Temperature Solvent-Free Aerobic Oxidation of Cyclohexene to Cyclohexane Diol over Highly Active Au/Graphite and Au/Graphene Catalysts. Catalysts, 2018, 8, 311.	3.5	13
54	Zinc promoted alumina catalysts for the fluorination of chlorofluorocarbons. Journal of Catalysis, 2018, 364, 102-111.	6.2	12

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55	Mechanistic Insights into Selective Oxidation of Polyaromatic Compounds using RICO Chemistry. Chemistry - A European Journal, 2018, 24, 12359-12369.	3.3	7
56	Gold as a Catalyst for the Ring Opening of 2,5-Dimethylfuran. Catalysis Letters, 2018, 148, 2109-2116.	2.6	3
57	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. Nanomaterials, 2018, 8, 542.	4.1	8
58	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
59	Catalytic Partial Oxidation of Cyclohexane by Bimetallic Ag/Pd Nanoparticles on Magnesium Oxide. Chemistry - A European Journal, 2017, 23, 11834-11842.	3.3	36
60	Supercritical Antisolvent Precipitation of Amorphous Copperâ€“Zinc Georgeite and Acetate Precursors for the Preparation of Ambientâ€Pressure Waterâ€Gasâ€Shift Copper/Zinc Oxide Catalysts. ChemCatChem, 2017, 9, 1621-1631.	3.7	20
61	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
62	Relationship between bulk phase, near surface and outermost atomic layer of VPO catalysts and their catalytic performance in the oxidative dehydrogenation of ethane. Journal of Catalysis, 2017, 354, 236-249.	6.2	22
63	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
64	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. Applied Materials Today, 2017, 9, 136-144.	4.3	11
65	The Lowâ€Temperature Oxidation of Propane by using H₂O₂ and Fe/ZSMâ€5 Catalysts: Insights into the Active Site and Enhancement of Catalytic Turnover Frequencies. ChemCatChem, 2017, 9, 642-650.	3.7	16
66	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
67	Reflections on Catalytic Selective Oxidation: Opportunities and Challenges. Catalysts, 2017, 7, 34.	3.5	4
68	An Overview of Recent Advances of the Catalytic Selective Oxidation of Ethane to Oxygenates. Catalysts, 2016, 6, 71.	3.5	24
69	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
70	Fischer Tropsch Synthesis using promoted cobalt-based catalysts. Catalysis Today, 2016, 272, 74-79.	4.4	15
71	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
72	The partial oxidation of propane under mild aqueous conditions with H2O2 and ZSM-5 catalysts. Catalysis Science and Technology, 2016, 6, 7521-7531.	4.1	12

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73	Oneâ€Step Production of 1,3â€Butadiene from 2,3â€Butanediol Dehydration. Chemistry - A European Journal, 2016, 22, 12290-12294.	3.3	39
74	Study of the magnetite to maghemite transition using microwave permittivity and permeability measurements. Journal of Physics Condensed Matter, 2016, 28, 106002.	1.8	73
75	Insights into the Reaction Mechanism of Cyclohexane Oxidation Catalysed by Molybdenum Blue Nanorings. Catalysis Letters, 2016, 146, 126-135.	2.6	23
76	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
77	The surface of iron molybdate catalysts used for the selective oxidation of methanol. Surface Science, 2016, 648, 163-169.	1.9	36
78	Stable amorphous georgeite as a precursor to a high-activity catalyst. Nature, 2016, 531, 83-87.	27.8	128
79	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
80	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
81	Fischer Tropsch synthesis using cobalt based carbon catalysts. Catalysis Today, 2016, 275, 35-39.	4.4	29
82	Highly crystalline vanadium phosphate catalysts synthesized using poly(acrylic acid-co-maleic acid) as a structure directing agent. Catalysis Science and Technology, 2016, 6, 2910-2917.	4.1	9
83	Dehydrative Etherification Reactions of Glycerol with Alcohols Catalyzed by Recyclable Nanoporous Aluminosilicates: Telescoped Routes to Glyceryl Ethers. ACS Sustainable Chemistry and Engineering, 2016, 4, 835-843.	6.7	17
84	Silica Supported Platinum Catalysts for Total Oxidation of the Polyaromatic Hydrocarbon Naphthalene: An Investigation of Metal Loading and Calcination Temperature. Catalysts, 2015, 5, 690-702.	3.5	9
85	Co-oxidation of octane and benzaldehyde using molecular oxygen with Auâ€“Pd/carbon prepared by sol-immobilisation. Catalysis Science and Technology, 2015, 5, 3953-3959.	4.1	3
86	Selective Oxidation of Alkylâ€Substituted Polyaromatics Using Rutheniumâ€Ionâ€Catalyzed Oxidation. Chemistry - A European Journal, 2015, 21, 4285-4293.	3.3	8
87	Selective Oxidation of Alkyl-Substituted Polyaromatics Using Ruthenium-Ion-Catalyzed Oxidation. Chemistry - A European Journal, 2015, 21, 4169-4169.	3.3	0
88	Methyl Formate Formation from Methanol Oxidation Using Supported Goldâ€“Palladium Nanoparticles. ACS Catalysis, 2015, 5, 637-644.	11.2	78
89	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
90	Nanoporous alumino- and borosilicate-mediated Meinwald rearrangement of epoxides. Applied Catalysis A: General, 2015, 493, 17-24.	4.3	19

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91	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
92	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
93	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
94	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. Langmuir, 2015, 31, 12300-12306.	3.5	25
95	Total oxidation of naphthalene using copper manganese oxide catalysts. Catalysis Today, 2015, 258, 610-615.	4.4	23
96	Efficient green methanol synthesis from glycerol. Nature Chemistry, 2015, 7, 1028-1032.	13.6	106
97	Selective Oxidation of nâ€Butanol Using Goldâ€Palladium Supported Nanoparticles Under Baseâ€Free Conditions. ChemSusChem, 2015, 8, 473-480.	6.8	28
98	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
99	The Catalytic Oxidation of Hydrocarbon Volatile Organic Compounds. , 2014, , 51-90.		4
100	Base-free glucose oxidation using air with supported gold catalysts. Green Chemistry, 2014, 16, 3132-3141.	9.0	71
101	Gold-Based Nanoparticulate Catalysts for the Oxidative Esterification of 1,4-Butanediol to Dimethyl Succinate. Topics in Catalysis, 2014, 57, 723-729.	2.8	5
102	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
103	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
104	Novel cobalt zinc oxide Fischerâ€“Tropsch catalysts synthesised using supercritical anti-solvent precipitation. Catalysis Science and Technology, 2014, 4, 1970-1978.	4.1	29
105	High Activity Redox Catalysts Synthesized by Chemical Vapor Impregnation. ACS Nano, 2014, 8, 957-969.	14.6	25
106	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
107	Nanoporous Aluminosilicate-Mediated Synthesis of Ethers by a Dehydrative Etherification Approach. ACS Sustainable Chemistry and Engineering, 2014, 2, 860-866.	6.7	12
108	Vanadium promoted molybdenum phosphate catalysts for the vapour phase partial oxidation of methanol to formaldehyde. Applied Catalysis A: General, 2014, 485, 51-57.	4.3	15

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109	Metastable Ionic Diodes Derived from an Amineâ€Based Polymer of Intrinsic Microporosity. Angewandte Chemie - International Edition, 2014, 53, 10751-10754.	13.8	81
110	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
111	Baseâ€Free Oxidation of Glycerol Using Titaniaâ€Supported Trimetallic Auâ€“Pdâ€“Pt Nanoparticles. ChemSusChem, 2014, 7, 1326-1334.	6.8	73
112	Heterogeneously catalyzed oxidation of butanediols in base free aqueous media. Tetrahedron, 2014, 70, 6055-6058.	1.9	14
113	Selective deposition of palladium onto supported nickel â€“ bimetallic catalysts for the hydrogenation of crotonaldehyde. Catalysis Science and Technology, 2013, 3, 2746.	4.1	20
114	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
115	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
116	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
117	Auâ€“Pd Coreâ€“Shell Nanoparticles as Alcohol Oxidation Catalysts: Effect of Shape and Composition. ChemSusChem, 2013, 6, 1858-1862.	6.8	21
118	Total oxidation of naphthalene at low temperatures using palladium nanoparticles supported on inorganic oxide-coated cordierite honeycomb monoliths. Catalysis Science and Technology, 2013, 3, 2708.	4.1	11
119	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
120	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
121	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
122	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
123	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
124	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
125	Preparation of Fischerâ€“Tropsch Supported Cobalt Catalysts Using a New Gas Anti-Solvent Process. ACS Catalysis, 2013, 3, 764-772.	11.2	18
126	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

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127	Total oxidation of naphthalene using bulk manganese oxide catalysts. Applied Catalysis A: General, 2013, 450, 169-177.	4.3	49
128	Aqueous-Phase Methane Oxidation over Fe-MFI Zeolites; Promotion through Isomorphous Framework Substitution. ACS Catalysis, 2013, 3, 1835-1844.	11.2	99
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	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
131	Goldâ€Nanoparticleâ€Based Catalysts for the Oxidative Esterification of 1,4â€Butanediol into Dimethyl Succinate. ChemSusChem, 2013, 6, 1952-1958.	6.8	5
132	Fe2(MoO4)3/MoO3 nano-structured catalysts for the oxidation of methanol to formaldehyde. Journal of Catalysis, 2012, 296, 55-64.	6.2	49
133	The Selective Oxidation of 1,2-Propanediol by Supported Gold-Based Nanoparticulate Catalysts. Topics in Catalysis, 2012, 55, 1283-1288.	2.8	33
134	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
135	Oxidative Esterification of Homologous 1,3-Propanediols. Catalysis Letters, 2012, 142, 1114-1120.	2.6	15
136	Nanoporous aluminosilicate mediated transacetalization reactions: application in glycerol valorization. Catalysis Science and Technology, 2012, 2, 2258.	4.1	14
137	Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. Catalysis Science and Technology, 2012, 2, 97-104.	4.1	32
138	Physical mixing of metal acetates: a simple, scalable method to produce active chloride free bimetallic catalysts. Chemical Science, 2012, 3, 2965.	7.4	38
139	Reactivity of Ga2O3 Clusters on Zeolite ZSM-5 for the Conversion of Methanol to Aromatics. Catalysis Letters, 2012, 142, 1049-1056.	2.6	61
140	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
141	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
142	Synthesis of Stable Ligand-free Goldâ€“Palladium Nanoparticles Using a Simple Excess Anion Method. ACS Nano, 2012, 6, 6600-6613.	14.6	128
143	Modified zeolite ZSM-5 for the methanol to aromatics reaction. Catalysis Science and Technology, 2012, 2, 105-112.	4.1	174
144	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

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145	High activity mesoporous copper doped cerium oxide catalysts for the total oxidation of polyaromatic hydrocarbon pollutants. Chemical Communications, 2012, 48, 4704.	4.1	52
146	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
147	Preparation of vanadium phosphate catalyst precursors for the selective oxidation of butane using Î±,Ï‰-alkanediols. Catalysis Today, 2012, 183, 52-57.	4.4	10
148	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
149	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
150	Methane oxidation using silica-supported N-bridged di-iron phthalocyanine catalyst. Journal of Catalysis, 2012, 290, 177-185.	6.2	30
151	A Raman investigation into the effect of temperature on ion-induced damage of graphite. Journal of Nuclear Materials, 2012, 426, 26-30.	2.7	4
152	Oxidation of Benzyl Alcohol by using Gold Nanoparticles Supported on Ceria Foam. ChemSusChem, 2012, 5, 125-131.	6.8	56
153	Pulsed-Field Gradient NMR Spectroscopic Studies of Alcohols in Supported Gold Catalysts. Journal of Physical Chemistry C, 2011, 115, 1073-1079.	3.1	35
154	The significance of the order of impregnation on the activity of vanadia promoted palladium-alumina catalysts for propane total oxidation. Catalysis Science and Technology, 2011, 1, 1367.	4.1	18
155	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
156	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
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