

Recent advances in heterogeneous selective oxidation of

Chemical Society Reviews

43, 3480

DOI: 10.1039/c3cs60282f

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of Size Effects in the Au-Catalyzed Oxidative and Non-Oxidative Dehydrogenation of Benzyl Alcohol. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2187-2196.	1.7	41
2	A brief review of para-xylene oxidation to terephthalic acid as a model of primary C-H bond activation. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1641-1652.	6.9	37
3	Base-Free Aerobic Oxidation of 5-Hydroxymethyl-furfural to 2,5-Furandicarboxylic Acid in Water Catalyzed by Functionalized Carbon Nanotube-Supported Au-Pd Alloy Nanoparticles. <i>ACS Catalysis</i> , 2014, 4, 2175-2185.	5.5	353
4	The Importance of Catalyst Wettability. <i>ChemCatChem</i> , 2014, 6, 3048-3052.	1.8	104
5	Benzyl Alcohol Oxidation on Carbon-Supported Pd Nanoparticles: Elucidating the Reaction Mechanism. <i>ChemCatChem</i> , 2014, 6, 3464-3473.	1.8	82
6	Support effect in the preparation of supported metal catalysts via microemulsion. <i>RSC Advances</i> , 2014, 4, 50955-50963.	1.7	38
7	Oxidation of primary and secondary benzylic alcohols with hydrogen peroxide and tert-butyl hydroperoxide catalyzed by a $\alpha$ -helmet-phthalocyaninato iron complex in the absence of added organic solvent. <i>Dalton Transactions</i> , 2014, 43, 17899-17903.	1.6	19
8	Au-Cu-Pt ternary catalyst fabricated by electrodeposition and galvanic replacement with superior methanol electrooxidation activity. <i>RSC Advances</i> , 2014, 4, 57600-57607.	1.7	31
9	Carbon Materials as Catalyst Supports and Catalysts in the Transformation of Biomass to Fuels and Chemicals. <i>ACS Catalysis</i> , 2014, 4, 3393-3410.	5.5	523
10	An efficient noble metal-free Ce-Sm/SiO <sub>2</sub> nano-oxide catalyst for oxidation of benzylamines under ecofriendly conditions. <i>RSC Advances</i> , 2014, 4, 46378-46382.	1.7	52
11	Nanoparticle-supported and magnetically recoverable organic-inorganic hybrid copper nanocatalyst: a selective and sustainable oxidation protocol with a high turnover number. <i>RSC Advances</i> , 2014, 4, 41111-41121.	1.7	16
12	Exploring the coordination chemistry of 2-picolinic acid to zinc and application of the complexes in catalytic oxidation chemistry. <i>Inorganic Chemistry Communication</i> , 2014, 46, 320-323.	1.8	14
13	Multiphase catalytic oxidation of alcohols over paper-structured catalysts with micrometer-size pores. <i>Applied Catalysis A: General</i> , 2014, 486, 201-209.	2.2	7
14	Catalyst-free sulfonylation of activated alkenes for highly efficient synthesis of mono-substituted ethyl sulfones in water. <i>Green Chemistry</i> , 2014, 16, 4106.	4.6	79
15	Functional carbons and carbon nanohybrids for the catalytic conversion of biomass to renewable chemicals in the condensed phase. <i>Chinese Journal of Catalysis</i> , 2014, 35, 842-855.	6.9	26
16	Catalytic Organic Reactions on the Surface of Silver(I) Oxide in Water. <i>Chemistry Letters</i> , 2014, 43, 1867-1869.	0.7	8
18	Selective Oxidation of 1,6-Hexanediol to 6-Hydroxycaproic Acid over Reusable Hydrotalcite-Supported Au-Pd Bimetallic Catalysts. <i>ChemSusChem</i> , 2015, 8, 1862-1866.	3.6	16
19	Maghemite-Copper Nanocomposites: Applications for Ligand-Free Cross-Coupling (C-O, C-S, and C-N) Reactions. <i>ChemCatChem</i> , 2015, 7, 3495-3502.	1.8	54

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20	Well-Defined Metal-Organic Framework Hollow Nanostructures for Catalytic Reactions Involving Gases. <i>Advanced Materials</i> , 2015, 27, 5365-5371.	11.1	162
21	Palladium-Based Nanomaterials: A Platform to Produce Reactive Oxygen Species for Catalyzing Oxidation Reactions. <i>Advanced Materials</i> , 2015, 27, 7025-7042.	11.1	115
22	Onion-Like Graphene Carbon Nanospheres as Stable Catalysts for Carbon Monoxide and Methane Chlorination. <i>ChemCatChem</i> , 2015, 7, 3036-3046.	1.8	19
23	Cobalt-iron oxides made by CVD for low temperature catalytic application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1508-1513.	0.8	14
24	Utilization of Volatile Organic Compounds as an Alternative for Destructive Abatement. <i>Catalysts</i> , 2015, 5, 1092-1151.	1.6	35
25	Gold and silver catalysis: from organic transformation to bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6667-6680.	1.5	57
26	Advances and Recent Trends in Heterogeneous Photo(Electro)-Catalysis for Solar Fuels and Chemicals. <i>Molecules</i> , 2015, 20, 6739-6793.	1.7	61
27	Cu(I-Sal-Ala)/CuALDH Hybrid as Novel Efficient Catalyst for Artificial Superoxide Dismutase (SOD) and Cyclohexene Oxidation by H <sub>2</sub> O <sub>2</sub> . <i>Catalysis Letters</i> , 2015, 145, 1529-1540.	1.4	16
28	Mechanism of methylene oxidation on Pt catalysts: A DFT study. <i>Computational and Theoretical Chemistry</i> , 2015, 1067, 40-47.	1.1	16
29	Selective Oxidation with Aqueous Hydrogen Peroxide by [PO <sub>4</sub> ]{WO <sub>2</sub> } <sub>2</sub> supported on Zinc-Modified Tin Dioxide. <i>ChemCatChem</i> , 2015, 7, 1097-1104.	1.8	33
30	A Tris(triazolate) Ligand for a Highly Active and Magnetically Recoverable Palladium Catalyst of Selective Alcohol Oxidation Using Air at Atmospheric Pressure. <i>Chemistry - A European Journal</i> , 2015, 21, 6501-6510.	1.7	23
31	New perspective to Keplerate polyoxomolybdates: Green oxidation of sulfides with hydrogen peroxide in water. <i>Catalysis Communications</i> , 2015, 66, 107-110.	1.6	53
32	Recent advances of pore system construction in zeolite-catalyzed chemical industry processes. <i>Chemical Society Reviews</i> , 2015, 44, 8877-8903.	18.7	279
33	Chemoselective Oxidation of Benzyl, Amino, and Propargyl Alcohols to Aldehydes and Ketones under Mild Reaction Conditions. <i>ChemistryOpen</i> , 2015, 4, 107-110.	0.9	14
34	Precisely-controlled synthesis of Au@Pd core-shell bimetallic catalyst via atomic layer deposition for selective oxidation of benzyl alcohol. <i>Journal of Catalysis</i> , 2015, 324, 59-68.	3.1	133
35	Sonophotodeposition of Bimetallic Photocatalysts Pd-Au/TiO <sub>2</sub> : Application to Selective Oxidation of Methanol to Methyl Formate. <i>ChemSusChem</i> , 2015, 8, 1676-1685.	3.6	55
36	Highly Efficient and Selective Oxidation of Aromatic Alcohols Photocatalyzed by Nanoporous Hierarchical Pt/Bi <sub>2</sub> WO <sub>6</sub> in Organic Solvent-Free Environment. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1257-1269.	4.0	106
37	Mild and selective catalytic oxidation of organic substrates by a carbon nanotube-rhodium nanohybrid. <i>Catalysis Science and Technology</i> , 2015, 5, 4542-4546.	2.1	29

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38	Tertiary amine mediated aerobic oxidation of sulfides into sulfoxides by visible-light photoredox catalysis on TiO <sub>2</sub> . <i>Chemical Science</i> , 2015, 6, 5000-5005.	3.7	89
39	Calcination system-induced nanocasting synthesis of uniform Co <sub>3</sub> O <sub>4</sub> nanoparticles with high surface area and enhanced catalytic performance. <i>RSC Advances</i> , 2015, 5, 35524-35534.	1.7	18
40	The cascade synthesis of quinazolinones and quinazolines using an Ir-MnO <sub>2</sub> catalyst and tert-butyl hydroperoxide (TBHP) as an oxidant. <i>Chemical Communications</i> , 2015, 51, 9205-9207.	2.2	120
41	Carbon monoxide- <i>isocyanide</i> coupling promoted by acetylide addition to a diiron complex. <i>Chemical Communications</i> , 2015, 51, 8101-8104.	2.2	18
42	Hybrid Ni-Al layered double hydroxide/graphene composite supported gold nanoparticles for aerobic selective oxidation of benzyl alcohol. <i>RSC Advances</i> , 2015, 5, 36066-36074.	1.7	55
43	Supported catalysts based on layered double hydroxides for catalytic oxidation and hydrogenation: general functionality and promising application prospects. <i>Chemical Society Reviews</i> , 2015, 44, 5291-5319.	18.7	306
44	Well-Defined Surface Species [( <i>Si</i> O <sub>2</sub> ) <sub>n</sub> W( <i>O</i> )Me <sub>3</sub> ] Prepared by Direct Methylation of [( <i>Si</i> O <sub>2</sub> ) <sub>n</sub> W( <i>O</i> )Cl <sub>3</sub> ], a Catalyst for Cycloalkane Metathesis and Transformation of Ethylene to Propylene. <i>ACS Catalysis</i> , 2015, 5, 2164-2171.	5.5	35
45	Copper doped ceria porous nanostructures towards a highly efficient bifunctional catalyst for carbon monoxide and nitric oxide elimination. <i>Chemical Science</i> , 2015, 6, 2495-2500.	3.7	74
46	Silica-nanosphere-based organic-inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis. <i>Green Chemistry</i> , 2015, 17, 3207-3230.	4.6	191
47	Polyoxometalate-based metal-organic coordination networks for heterogeneous catalytic desulfurization. <i>CrystEngComm</i> , 2015, 17, 7938-7947.	1.3	40
48	A modelling approach for MOF-encapsulated metal catalysts and application to n-butane oxidation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27596-27608.	1.3	19
49	Catalytic performance of Keglerate polyoxomolybdates in green epoxidation of alkenes with hydrogen peroxide. <i>RSC Advances</i> , 2015, 5, 70424-70428.	1.7	21
50	Functionalized Carbon Nanotubes for Biomass Conversion: The Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid over Platinum Supported on a Carbon Nanotube Catalyst. <i>ChemCatChem</i> , 2015, 7, 2853-2863.	1.8	113
51	Oxidative conversion of lignin and lignin model compounds catalyzed by CeO <sub>2</sub> -supported Pd nanoparticles. <i>Green Chemistry</i> , 2015, 17, 5009-5018.	4.6	210
52	The Brønsted-Evans-Polanyi Correlations in Oxidation Catalysis. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 436-477.	5.7	23
53	A novel iron(III)-based heterogeneous catalyst for aqueous oxidation of alcohols using molecular oxygen. <i>RSC Advances</i> , 2015, 5, 78553-78560.	1.7	14
54	Facile preparation and dual catalytic activity of copper(I)-metallo-salen coordination polymers. <i>Dalton Transactions</i> , 2015, 44, 17360-17365.	1.6	17
55	The energy-chemistry nexus: A vision of the future from sustainability perspective. <i>Journal of Energy Chemistry</i> , 2015, 24, 535-547.	7.1	52

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56	A sintering-resistant Pd/SiO <sub>2</sub> catalyst by reverse-loading nano iron oxide for aerobic oxidation of benzyl alcohol. RSC Advances, 2015, 5, 4766-4769.	1.7	16
57	Preparation of Pd-Co Based Nanocatalysts and Their Superior Applications in Formic Acid Decomposition and Methanol Oxidation. ChemSusChem, 2015, 8, 260-263.	3.6	45
58	Synergistic photocatalytic aerobic oxidation of sulfides and amines on TiO <sub>2</sub> under visible-light irradiation. Chemical Science, 2015, 6, 1075-1082.	3.7	87
59	Metallic Nanocatalysis: An Accelerating Seamless Integration with Nanotechnology. Small, 2015, 11, 268-289.	5.2	92
60	Thermo-responsive polymer micelle-based nanoreactors for intelligent polyoxometalate catalysis. Catalysis Communications, 2015, 58, 164-168.	1.6	12
61	Immobilization of Cu-chelate onto SBA-15 for partial oxidation of benzyl alcohol using water as the solvent. Research on Chemical Intermediates, 2015, 41, 5703-5712.	1.3	8
62	Immobilized Lignin Peroxidase-Like Metalloporphyrins as Reusable Catalysts in Oxidative Bleaching of Industrial Dyes. Molecules, 2016, 21, 964.	1.7	40
63	Ni <sub>1-y</sub> Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> -macroporous Al <sub>2</sub> O <sub>3</sub> catalysts for cracking of vacuum residual oil with steam. Applied Catalysis A: General, 2016, 525, 23-30.	2.2	10
64	Porous chitosan-MnO <sub>2</sub> nanohybrid: a green and biodegradable heterogeneous catalyst for aerobic oxidation of alkylarenes and alcohols. Applied Organometallic Chemistry, 2016, 30, 154-159.	1.7	36
65	Ultrasmall Platinum Nanoparticles Supported Inside the Nanospaces of Periodic Mesoporous Organosilica with an Imidazolium Network: An Efficient Catalyst for the Aerobic Oxidation of Unactivated Alcohols in Water. ChemCatChem, 2016, 8, 906-910.	1.8	40
66	Deposition of tetraferrocenylporphyrins on ITO surfaces for photo-catalytic O <sub>2</sub> activation. Dalton Transactions, 2016, 45, 14745-14753.	1.6	10
67	Nitration-Oximization of Styrene Derivatives with <i>tert</i> -Butyl Nitrite: Synthesis of Nitrooximes. Chinese Journal of Chemistry, 2016, 34, 830-838.	2.6	8
68	Natural polymers supported copper nanoparticles for pollutants degradation. Applied Surface Science, 2016, 387, 1154-1161.	3.1	131
69	Selective Production of Carbon Monoxide via Methane Oxychlorination over Vanadyl Pyrophosphate. Angewandte Chemie, 2016, 128, 15848-15852.	1.6	3
71	(Invited) Atomic Layer Deposition for Catalyst "Bottom-up" Synthesis. ECS Transactions, 2016, 75, 85-92.	0.3	2
72	Strategies for the Direct Catalytic Valorization of Methane Using Heterogeneous Catalysis: Challenges and Opportunities. ACS Catalysis, 2016, 6, 2965-2981.	5.5	438
73	Oxidation of cinnamyl alcohol using bimetallic Au-Pd/TiO <sub>2</sub> catalysts: a deactivation study in a continuous flow packed bed microreactor. Catalysis Science and Technology, 2016, 6, 4749-4758.	2.1	37
74	Atomic layer deposition-Sequential self-limiting surface reactions for advanced catalyst "bottom-up" synthesis. Surface Science Reports, 2016, 71, 410-472.	3.8	252

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75	Deep eutectic solvent mediated synthesis of quinazolinones and dihydroquinazolinones: synthesis of natural products and drugs. <i>RSC Advances</i> , 2016, 6, 27378-27387.	1.7	49
76	Synthesis of zero-valent Cu nanoparticles in the chitosan coating layer on cellulose microfibrils: evaluation of azo dyes catalytic reduction. <i>Cellulose</i> , 2016, 23, 1911-1923.	2.4	155
77	Molecular iodine mediated oxidative coupling of enol acetates with sodium sulfonates leading to $\alpha$ -keto sulfones. <i>Tetrahedron Letters</i> , 2016, 57, 2236-2238.	0.7	24
78	Carbon nanotube-supported Au-Pd alloy with cooperative effect of metal nanoparticles and organic ketone/quinone groups as a highly efficient catalyst for aerobic oxidation of amines. <i>Chemical Communications</i> , 2016, 52, 6805-6808.	2.2	40
79	A mild and environmentally benign strategy towards hierarchical CeO <sub>2</sub> /Au nanoparticle assemblies with crystal facet-enhanced catalytic effects for benzyl alcohol aerobic oxidation. <i>CrystEngComm</i> , 2016, 18, 5110-5120.	1.3	14
80	Water-assisted oxygen activation during selective oxidation reactions. <i>Current Opinion in Chemical Engineering</i> , 2016, 13, 100-108.	3.8	19
81	Aerobic oxidations in flow: opportunities for the fine chemicals and pharmaceuticals industries. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 595-612.	1.9	145
82	Unexpected, Latent Radical Reaction of Methane Propagated by Trifluoromethyl Radicals. <i>Journal of Organic Chemistry</i> , 2016, 81, 9820-9825.	1.7	10
83	Preparation of $\alpha$ -Acyloxy Ketones via Visible-Light-Driven Aerobic Oxo-Acyloxylation of Olefins with Carboxylic Acids. <i>Organic Letters</i> , 2016, 18, 5256-5259.	2.4	40
84	Highly efficient continuous-flow oxidative coupling of amines using promising nanoscale CeO <sub>2</sub> -M/SiO <sub>2</sub> (M = MoO <sub>3</sub> and WO <sub>3</sub> ) solid acid catalysts. <i>RSC Advances</i> , 2016, 6, 95252-95262.	1.7	22
85	A facile in situ synthesis of highly active and reusable ternary Ag-PPy-GO nanocomposite for catalytic oxidation of hydroquinone in aqueous solution. <i>Journal of Catalysis</i> , 2016, 344, 795-805.	3.1	48
86	Synthesis of Terephthalic Acid by <i>p</i> -Cymene Oxidation using Oxygen: Toward a More Sustainable Production of Bio-Polyethylene Terephthalate. <i>ChemSusChem</i> , 2016, 9, 3102-3112.	3.6	40
87	Homogeneous Catalytic Oxidation of Unactivated Primary and Secondary Alcohols Employing a Versatile $\alpha$ -Phthalocyaninato Iron Complex Catalyst Without Added Organic Solvent. <i>ChemistrySelect</i> , 2016, 1, 5182-5186.	0.7	11
88	Ultrafine MnO <sub>2</sub> nanoparticles decorated on graphene oxide as a highly efficient and recyclable catalyst for aerobic oxidation of benzyl alcohol. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 26-33.	5.0	83
89	Versatile Oxidation Methods for Organic and Inorganic Substrates Catalyzed by Platinum-Group Metals on Carbons. <i>Chemical Record</i> , 2016, 16, 261-272.	2.9	15
90	Efficient Room-Temperature Methane Activation by the Closed-Shell, Metal-Free Cluster [OSiOH] <sup>+</sup> : A Novel Mechanistic Variant. <i>Chemistry - A European Journal</i> , 2016, 22, 14257-14263.	1.7	13
91	Tuning the performance of Pt-Ni alloy/reduced graphene oxide catalysts for 4-nitrophenol reduction. <i>RSC Advances</i> , 2016, 6, 79028-79036.	1.7	22
92	A High-Performance Base-Metal Approach for the Oxidative Esterification of 5-Hydroxymethylfurfural. <i>ChemCatChem</i> , 2016, 8, 2907-2911.	1.8	58

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93	Selective Production of Carbon Monoxide via Methane Oxychlorination over Vanadyl Pyrophosphate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15619-15623.	7.2	14
94	Missing Building Blocks Defects in a Porous Hydrogen-bonded Amide-Imidazolate Network Proven by Positron Annihilation Lifetime Spectroscopy. <i>ChemistrySelect</i> , 2016, 1, 4320-4325.	0.7	9
95	Thermal Methane Activation by $[\text{Si}_2\text{O}_5]^\cdot$ and $[\text{Si}_2\text{O}_5\text{H}_2]^\cdot$ : Reactivity Enhancement by Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13345-13348.	7.2	7
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97	Aerobic epoxidation catalysed by transition metal substituted polyfluorooxometalates. <i>Dalton Transactions</i> , 2016, 45, 14534-14537.	1.6	2
98	Microkinetic Modeling of Benzyl Alcohol Oxidation on Carbon-Supported Palladium Nanoparticles. <i>ChemCatChem</i> , 2016, 8, 2482-2491.	1.8	39
99	Gold(III) Mediated Activation and Transformation of Methane on Au <sub>1</sub> -Doped Vanadium Oxide Cluster Cations $\text{AuV}_2\text{O}_6^+$ . <i>Journal of the American Chemical Society</i> , 2016, 138, 9437-9443.	6.6	41
100	Heterogeneous Catalysis. , 2016, , 41-111.		5
101	Mechanisms of Metal-Free Aerobic Oxidation To Prepare Benzoxazole Catalyzed by Cyanide: A Direct Cyclization or Stepwise Oxidative Dehydrogenation and Cyclization?. <i>Journal of Organic Chemistry</i> , 2016, 81, 10857-10862.	1.7	11
102	Thermische Methanaktivierung durch $[\text{Si}_2\text{O}_5]^\cdot$ und $[\text{Si}_2\text{O}_5\text{H}_2]^\cdot$ : Reaktivitätssteigerung durch Hydrierung. <i>Angewandte Chemie</i> , 2016, 128, 13540-13543.	1.6	2
103	High-Pressure-Induced Pseudo-Oxidation of Copper Surfaces by Carbon Monoxide. <i>ChemCatChem</i> , 2016, 8, 1632-1635.	1.8	5
104	Heterogeneously catalyzed lignin depolymerization. <i>Applied Petrochemical Research</i> , 2016, 6, 243-256.	1.3	42
105	Theoretical investigations of non-noble metal single-atom catalysis: Ni <sub>1</sub> /FeO <sub>x</sub> for CO oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 6886-6892.	2.1	79
106	Ag <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /C <sub>3</sub> N <sub>4</sub> nanocomposites as an efficient photocatalyst for hydrocarbon selective oxidation. <i>RSC Advances</i> , 2016, 6, 60394-60399.	1.7	12
107	Another application of (NH <sub>4</sub> ) <sub>2</sub> [Mo <sub>2</sub> V <sub>7</sub> Mo <sub>6</sub> O <sub>372</sub> ](CH <sub>3</sub> ) <sub>3</sub> as a highly efficient recyclable catalyst for the synthesis of dihydropyrano[3,2- <i>c</i> ]chromenes. <i>Applied Organometallic Chemistry</i> , 2016, 30, 626-629.	1.7	13
108	Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O and cellulose mediated Cu-NPs as a highly efficient and novel catalytic system for aerobic oxidation of alcohols to carbonyls and synthesis of DFF from HMF. <i>Catalysis Communications</i> , 2016, 77, 9-12.	1.6	20
109	Comprehensive review of methane conversion in solid oxide fuel cells: Prospects for efficient electricity generation from natural gas. <i>Progress in Energy and Combustion Science</i> , 2016, 54, 1-64.	15.8	270
110	Catalyst-free radical fluorination of sulfonyl hydrazides in water. <i>Green Chemistry</i> , 2016, 18, 1224-1228.	4.6	90

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111	Oxidation of a binuclear ruthenium carbonyl complex. <i>Journal of Organometallic Chemistry</i> , 2016, 812, 183-189.	0.8	2
112	Urease-catalyzed synthesis of aminocyanopyridines from urea under fully green conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 127, 89-92.	1.8	21
113	Pd@Cu(II)-MOF-Catalyzed Aerobic Oxidation of Benzylic Alcohols in Air with High Conversion and Selectivity. <i>Inorganic Chemistry</i> , 2016, 55, 3058-3064.	1.9	91
114	Bifunctional application of sodium cobaltate as a catalyst and captor through CO oxidation and subsequent CO <sub>2</sub> chemisorption processes. <i>RSC Advances</i> , 2016, 6, 2162-2170.	1.7	27
115	Photocatalytic Chemoselective Aerobic Oxidation of Thiols to Disulfides Catalyzed by Combustion Synthesized Bismuth Tungstate Nanoparticles in Aqueous Media. <i>Journal of Cluster Science</i> , 2016, 27, 267-284.	1.7	24
116	Water-soluble metal nanoparticles stabilized by plant polyphenols for improving the catalytic properties in oxidation of alcohols. <i>Nanoscale</i> , 2016, 8, 1049-1054.	2.8	21
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118	Synthesis of perovskite-based nanocomposites for deNO <sub>x</sub> catalytic activity. <i>Canadian Journal of Chemistry</i> , 2016, 94, 215-220.	0.6	2
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120	Synthesis of a Fe <sub>3</sub> O <sub>4</sub> @P4VP@metal-organic framework core-shell structure and studies of its aerobic oxidation reactivity. <i>RSC Advances</i> , 2017, 7, 2773-2779.	1.7	20
121	Singlet Oxygen-Engaged Selective Photo-Oxidation over Pt Nanocrystals/Porphyrinic MOF: The Roles of Photothermal Effect and Pt Electronic State. <i>Journal of the American Chemical Society</i> , 2017, 139, 2035-2044.	6.6	616
122	Chitosan-based film supported copper nanoparticles: A potential and reusable catalyst for the reduction of aromatic nitro compounds. <i>Carbohydrate Polymers</i> , 2017, 161, 187-196.	5.1	70
123	Selective Oxidation of Methane to Methanol over ZSM-5 Catalysts in Aqueous Hydrogen Peroxide: Role of Formaldehyde. <i>ChemCatChem</i> , 2017, 9, 1276-1283.	1.8	26
124	MÃ©nage-Ã©trois: single-atom catalysis, mass spectrometry, and computational chemistry. <i>Catalysis Science and Technology</i> , 2017, 7, 4302-4314.	2.1	145
125	Halogen-Mediated Conversion of Hydrocarbons to Commodities. <i>Chemical Reviews</i> , 2017, 117, 4182-4247.	23.0	260
127	Advances in methane conversion processes. <i>Catalysis Today</i> , 2017, 285, 147-158.	2.2	207
128	Selective C-N coupling reaction of diaryliodonium salts and dinucleophiles. <i>New Journal of Chemistry</i> , 2017, 41, 2873-2877.	1.4	21
129	Polymeric cation and isopolyanion ionic self-assembly: Novel thin-layer mesoporous catalyst for oxidative desulfurization. <i>Chemical Engineering Journal</i> , 2017, 317, 32-41.	6.6	73



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131	SBA-15-supported Pd catalysts: The effect of pretreatment conditions on particle size and its application to benzyl alcohol oxidation. <i>Journal of Catalysis</i> , 2017, 350, 21-29.	3.1	41
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134	Photoelectrochemical Catalysis toward Selective Anaerobic Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2017, 23, 8142-8147.	1.7	35
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