

Adam F Lee

List of Publications by Year in descending order

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283
papers

19,067
citations

10986

71
h-index

15266

126
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325
all docs

325
docs citations

325
times ranked

20756
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous-flow synthesis of mesoporous SBA-15. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111535.	4.4	6
2	Full-Spectrum White Light-Emitting Diodes Enabled by an Efficient Broadband Green-Emitting $\text{CaY}_2\text{ZrScAl}_3\text{O}_{12}:\text{Ce}^{3+}$ Garnet Phosphor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5643-5652.	8.0	72
3	Porous liquids unlock a new class of spatially orthogonal catalyst. <i>CheM</i> , 2022, 8, 9-11.	11.7	1
4	An energy transfer strategy for highly luminescent green-emitting $\text{Ce}^{3+}/\text{Tb}^{3+}$ codoped $\text{Ca}_2\text{LaHf}_2\text{Al}_3\text{O}_{12}$ garnet phosphors in white light-emitting diodes. <i>Materials Today Chemistry</i> , 2022, 24, 100773.	3.5	2
5	Catalytic selective ring opening of polyaromatics for cleaner transportation fuels. <i>Energy and Environmental Science</i> , 2022, 15, 1760-1804.	30.8	12
6	Endothermic catalytic cracking of liquid hydrocarbons for thermal management of high-speed flight vehicles. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1664-1686.	4.9	7
7	Selective Catalytic Transfer Hydrogenation of Lignin to Alkyl Guaiacols Over $\text{NiMo}/\text{Al-MCM}41$. <i>ChemSusChem</i> , 2022, 15, .	6.8	18
8	Alkali-Free Hydrothermally Reconstructed NiAl Layered Double Hydroxides for Catalytic Transesterification. <i>Catalysts</i> , 2022, 12, 286.	3.5	7
9	Full-spectrum solid-state white lighting with high color rendering index exceeding 96 based on a bright broadband green-emitting phosphor. <i>Applied Materials Today</i> , 2022, 27, 101439.	4.3	5
10	Rhodium promoted heteropolyacid catalysts for low temperature methanol carbonylation. <i>Catalysis Science and Technology</i> , 2022, 12, 3886-3897.	4.1	1
11	Unveiling the structural transitions during activation of a CO_2 methanation catalyst RuO/ZrO_2 synthesised from a MOF precursor. <i>Catalysis Today</i> , 2021, 368, 66-77.	4.4	27
12	Aqueous-Phase Cellulose Hydrolysis over Zeolite HY Nanocrystals Grafted on Anatase Titania Nanofibers. <i>Catalysis Letters</i> , 2021, 151, 1467-1476.	2.6	2
13	Surfactant- and template-free hydrothermal assembly of Cu_2O visible light photocatalysts for trimethoprim degradation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119741.	20.2	60
14	Porous crystalline frameworks for thermocatalytic CO_2 reduction: an emerging paradigm. <i>Energy and Environmental Science</i> , 2021, 14, 320-352.	30.8	61
15	Hydrogenolysis of Lignin-Derived Aromatic Ethers over Heterogeneous Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3379-3407.	6.7	59
16	Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021, 11, 747.	4.1	16
17	Hierarchical bismuth vanadate/reduced graphene oxide composite photocatalyst for hydrogen evolution and bisphenol A degradation. <i>Applied Materials Today</i> , 2021, 22, 100963.	4.3	23
18	Impact of Surface Defects on LaNiO_3 Perovskite Electrocatalysts for the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2021, 27, 14418-14426.	3.3	19

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19	Flame-retardant effect of a functional DOPO-based compound on lignin-based epoxy resins. <i>Materials Today Chemistry</i> , 2021, 22, 100562.	3.5	13
20	Oxidative dehydrogenation of ethane: catalytic and mechanistic aspects and future trends. <i>Chemical Society Reviews</i> , 2021, 50, 4564-4605.	38.1	119
21	Multifunctional Catalysts for Direct Conversion of Alcohols to Long-Chain Hydrocarbons via Deoxygenative Olefination. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14657-14662.	6.7	2
22	Valorization of rice husk silica waste: Organo-amine functionalized castor oil templated mesoporous silicas for biofuels synthesis. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109868.	4.4	18
23	Microwave-Assisted Decarbonylation of Biomass-Derived Aldehydes using Pd-Doped Hydrotalcites. <i>ChemSusChem</i> , 2020, 13, 312-320.	6.8	21
24	Pompon Dahlia-like Cu ₂ O/rGO Nanostructures for Visible Light Photocatalytic H ₂ Production and 4-Chlorophenol Degradation. <i>ChemCatChem</i> , 2020, 12, 1699-1709.	3.7	34
25	Catalytic applications of layered double hydroxides in biomass valorisation. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 22, 29-38.	5.9	15
26	Pd-promoted WO ₃ -ZrO ₂ for low temperature NO _x storage. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118499.	20.2	30
27	A spatially orthogonal hierarchically porous acid-base catalyst for cascade and antagonistic reactions. <i>Nature Catalysis</i> , 2020, 3, 921-931.	34.4	75
28	Metal-Acid Synergy: Hydrodeoxygenation of Anisole over Pt/Al-SBA-15. <i>ChemSusChem</i> , 2020, 13, 4775-4778.	5.8	1
29	Shining light on the solid-liquid interface: <i>in situ</i> operando monitoring of surface catalysis. <i>Catalysis Science and Technology</i> , 2020, 10, 5362-5385.	4.1	21
30	Recent Advances in Heterogeneous Catalyst Design for Biorefining. <i>Australian Journal of Chemistry</i> , 2020, , .	0.9	2
31	Purification and immobilization of engineered glucose dehydrogenase: a new approach to producing gluconic acid from breadwaste. <i>Biotechnology for Biofuels</i> , 2020, 13, 100.	6.2	17
32	Strong metal-support interaction promoted scalable production of thermally stable single-atom catalysts. <i>Nature Communications</i> , 2020, 11, 1263.	12.8	198
33	Bio/hydrochar Sorbents for Environmental Remediation. <i>Energy and Environmental Materials</i> , 2020, 3, 453-468.	12.8	50
34	Impact of Methanol Photomediated Surface Defects on Photocatalytic H ₂ Production Over Pt/TiO ₂ . <i>Energy and Environmental Materials</i> , 2020, 3, 202-208.	12.8	27
35	Inducing synergy in bimetallic RhNi catalysts for CO ₂ methanation by galvanic replacement. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119029.	20.2	41
36	Nanoscale materials with different dimensions for advanced electrocatalysts. , 2020, , 193-218.		0

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37	Metal–Acid Synergy: Hydrodeoxygenation of Anisole over Pt/Al–SBA-15. <i>ChemSusChem</i> , 2020, 13, 4945-4953.	6.8	31
38	Extending the range of liquids available for NMR cryoporometry studies of porous materials. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 198-202.	4.4	7
39	A core-shell SO ₄ /Mg-Al-Fe ₃ O ₄ catalyst for biodiesel production. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118093.	20.2	93
40	Template free mild hydrothermal synthesis of core–shell Cu ₂ O(Cu)@CuO visible light photocatalysts for <i>N</i> -acetyl- <i>p</i> -aminophenol degradation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20767-20777.	10.3	46
41	H3PW12O ₄₀ /SBA-15 for the Solventless Synthesis of 3-Substituted Indoles. <i>Catalysts</i> , 2019, 9, 409.	3.5	12
42	Structure–Reactivity Relations in Ruthenium Catalysed Furfural Hydrogenation. <i>ChemCatChem</i> , 2019, 11, 3927-3932.	3.7	49
43	Cascade Aerobic Selective Oxidation over Contiguous Dual-Catalyst Beds in Continuous Flow. <i>ACS Catalysis</i> , 2019, 9, 5345-5352.	11.2	20
44	Unravelling mass transport in hierarchically porous catalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11814-11825.	10.3	57
45	Printing approaches to inorganic semiconductor photocatalyst fabrication. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10858-10878.	10.3	40
46	Atomically dispersed nickel as coke-resistant active sites for methane dry reforming. <i>Nature Communications</i> , 2019, 10, 5181.	12.8	398
47	Octanoic acid hydrodeoxygenation over bifunctional Ni/Al-SBA-15 catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 6673-6680.	4.1	34
48	Ga/HZSM-5 Catalysed Acetic Acid Ketonisation for Upgrading of Biomass Pyrolysis Vapours. <i>Catalysts</i> , 2019, 9, 841.	3.5	20
49	Acceptorless Amine Dehydrogenation and Transamination Using Pd-Doped Hydrotalcites. <i>ACS Catalysis</i> , 2019, 9, 1055-1065.	11.2	37
50	Non defect-stabilized thermally stable single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 234.	12.8	452
51	Functionalized Periodic Mesoporous Organosilicas: Tunable Hydrophobic Solid Acids for Biomass Conversion. <i>Molecules</i> , 2019, 24, 239.	3.8	24
52	Platinum catalysed aerobic selective oxidation of cinnamaldehyde to cinnamic acid. <i>Catalysis Today</i> , 2019, 333, 161-168.	4.4	18
53	A magnetically separable SO ₄ /Fe-Al-TiO ₂ solid acid catalyst for biodiesel production from waste cooking oil. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 268-278.	20.2	222
54	Synthesis of Amine Functionalized Mesoporous Silicas Templated by Castor Oil for Transesterification. <i>MRS Advances</i> , 2018, 3, 2261-2269.	0.9	6

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55	Zirconia catalysed acetic acid ketonisation for pre-treatment of biomass fast pyrolysis vapours. <i>Catalysis Science and Technology</i> , 2018, 8, 1134-1141.	4.1	31
56	Solution-processable, niobium-doped titanium oxide nanorods for application in low-voltage, large-area electronic devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1038-1047.	5.5	5
57	Lipase immobilised on silica monoliths as continuous-flow microreactors for triglyceride transesterification. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 68-74.	3.7	14
58	NMR cryoporometric measurements of porous silica: A method for the determination of melting point depression parameters of probe liquids. <i>Microporous and Mesoporous Materials</i> , 2018, 264, 265-271.	4.4	14
59	Single atom Cu(I) promoted mesoporous titanias for photocatalytic Methyl Orange depollution and H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 501-511.	20.2	75
60	Magnetically-separable Fe ₃ O ₄ @SiO ₂ @SO ₄ -ZrO ₂ core-shell nanoparticle catalysts for propanoic acid esterification. <i>Molecular Catalysis</i> , 2018, 449, 137-141.	2.0	15
61	Catalytic hydrodeoxygenation of m-cresol over Ni ₂ P/hierarchical ZSM-5. <i>Catalysis Today</i> , 2018, 304, 72-79.	4.4	63
62	Delaminated CoAl-Layered Double Hydroxide@TiO ₂ Heterojunction Nanocomposites for Photocatalytic Reduction of CO ₂ . <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700317.	2.3	40
63	Citrate-mediated sol-gel synthesis of Al-substituted sulfated zirconia catalysts for α -pinene isomerization. <i>Molecular Catalysis</i> , 2018, 458, 206-212.	2.0	11
64	Alkali-Free Zn-Al Layered Double Hydroxide Catalysts for Triglyceride Transesterification. <i>Catalysts</i> , 2018, 8, 667.	3.5	9
65	Sulfated Zirconia Catalysts for D-Sorbitol Cascade Cyclodehydration to Isosorbide: Impact of Zirconia Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14704-14712.	6.7	25
66	Gold-catalyzed conversion of lignin to low molecular weight aromatics. <i>Chemical Science</i> , 2018, 9, 8127-8133.	7.4	61
67	Mechanochemical synthesis of Ag/TiO ₂ for photocatalytic methyl orange degradation and hydrogen production. <i>Chemical Engineering Research and Design</i> , 2018, 120, 339-347.	5.6	106
68	Tunable Silver-Functionalized Porous Frameworks for Antibacterial Applications. <i>Antibiotics</i> , 2018, 7, 55.	3.7	7
69	Mechanistic Aspects of Hydrodeoxygenation of p-Methylguaiacol over Rh/Silica and Pt/Silica. <i>Organic Process Research and Development</i> , 2018, 22, 1586-1589.	2.7	6
70	Sol-gel synthesis of SBA-15: Impact of HCl on surface chemistry. <i>Microporous and Mesoporous Materials</i> , 2018, 271, 196-202.	4.4	31
71	g-C ₃ N ₄ -Based Nanomaterials for Visible Light-Driven Photocatalysis. <i>Catalysts</i> , 2018, 8, 74.	3.5	188
72	On the Impact of the Preparation Method on the Surface Basicity of Mg-Zr Mixed Oxide Catalysts for Tributyrin Transesterification. <i>Catalysts</i> , 2018, 8, 228.	3.5	10

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73	A porous activated carbon supported Pt catalyst for the oxidative degradation of poly[(naphthaleneformaldehyde)sulfonate]. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 289-297.	5.3	7
74	ZrO ₂ -SBA-15 catalysts for the one-pot cascade synthesis of GVL from furfural. <i>Catalysis Science and Technology</i> , 2018, 8, 4485-4493.	4.1	69
75	Size-Dependent Visible Light Photocatalytic Performance of Cu ₂ O Nanocubes. <i>ChemCatChem</i> , 2018, 10, 3554-3563.	3.7	44
76	Support enhanced α -pinene isomerization over HPW/SBA-15. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 10-18.	20.2	72
77	On the Mn promoted synthesis of higher alcohols over Cu derived ternary catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 988-999.	4.1	31
78	High activity magnetic core-mesoporous shell sulfonic acid silica nanoparticles for carboxylic acid esterification. <i>Catalysis Communications</i> , 2017, 92, 56-60.	3.3	29
79	Recent advances in the production of γ -valerolactone from biomass-derived feedstocks via heterogeneous catalytic transfer hydrogenation. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1125-1135.	3.2	92
80	On the influence of Si:Al ratio and hierarchical porosity of FAU zeolites in solid acid catalysed esterification pretreatment of bio-oil. <i>Biomass Conversion and Biorefinery</i> , 2017, 7, 331-342.	4.6	50
81	Deactivation study of the hydrodeoxygenation of p-methylguaiacol over silica supported rhodium and platinum catalysts. <i>Applied Catalysis A: General</i> , 2017, 539, 29-37.	4.3	28
82	Tunable Ag@SiO ₂ core-shell nanocomposites for broad spectrum antibacterial applications. <i>RSC Advances</i> , 2017, 7, 23342-23347.	3.6	10
83	Octyl Co-grafted PrSO ₃ H/SBA-15: Tunable Hydrophobic Solid Acid Catalysts for Acetic Acid Esterification. <i>ChemCatChem</i> , 2017, 9, 2231-2238.	3.7	30
84	Bio-oil upgrading via vapor-phase ketonization over nanostructured FeOx and MnOx: catalytic performance and mechanistic insight. <i>Biomass Conversion and Biorefinery</i> , 2017, 7, 319-329.	4.6	14
85	Catalytic Hydrogenation and Hydrodeoxygenation of Furfural over Pt(111): A Model System for the Rational Design and Operation of Practical Biomass Conversion Catalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8490-8497.	3.1	66
86	P25@CoAl layered double hydroxide heterojunction nanocomposites for CO ₂ photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 394-404.	20.2	200
87	NiO/nanoporous carbon heterogeneous Fenton catalyst for aqueous microcystine-LR decomposition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 74, 289-295.	5.3	11
88	A new application for transition metal chalcogenides: WS ₂ catalysed esterification of carboxylic acids. <i>Catalysis Communications</i> , 2017, 91, 16-20.	3.3	17
89	Nb ₂ O ₅ /SBA-15 catalyzed propanoic acid esterification. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 498-504.	20.2	40
90	Plasma-Generated Poly(allyl alcohol) Antifouling Coatings for Cellular Attachment. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 88-94.	5.2	6

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91	Tailored mesoporous silica supports for Ni catalysed hydrogen production from ethanol steam reforming. <i>Catalysis Communications</i> , 2017, 91, 76-79.	3.3	51
92	Dual Wavelength (Ultraviolet and Green) Photodetectors Using Solution Processed Zinc Oxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36971-36979.	8.0	13
93	Classical strong metal-support interactions between gold nanoparticles and titanium dioxide. <i>Science Advances</i> , 2017, 3, e1700231.	10.3	361
94	H ₅ PW ₁₀ V ₂ O ₄₀ @VO _x /SBA-15-NH ₂ catalyst for the solventless synthesis of 3-substituted indoles. <i>Tetrahedron</i> , 2017, 73, 5862-5871.	1.9	23
95	Diffusion NMR Characterization of Catalytic Silica Supports: A Tortuous Path. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16250-16256.	3.1	33
96	Active Site Elucidation and Optimization in Pt-Co catalysts for Photocatalytic Hydrogen Production over Titania. <i>ChemCatChem</i> , 2017, 9, 4268-4274.	3.7	21
97	A magnetically-separable H ₃ PW ₁₂ O ₄₀ @Fe ₃ O ₄ /EN-MIL-101 catalyst for the one-pot solventless synthesis of 2H-indazolo[2,1-b] phthalazine-triones. <i>Molecular Catalysis</i> , 2017, 440, 96-106.	2.0	42
98	Multi-Dimensional Multi-Functional Catalytic Architecture: A Selectively Functionalized Three-Dimensional Hierarchically Ordered Macro/Mesoporous Network for Cascade Reactions Analyzed by Electron Tomography. <i>Microscopy and Microanalysis</i> , 2017, 23, 2042-2043.	0.4	3
99	Atomic structure of chlorine containing calcium silicate glasses by neutron diffraction and ²⁹ Si solid-state NMR. <i>International Journal of Applied Glass Science</i> , 2017, 8, 383-390.	2.0	8
100	Green Infrastructure in Urbanized Areas and Roadway Projects. , 2017, , .		0
101	Impact of Macroporosity on Catalytic Upgrading of Fast Pyrolysis Bio-Oil by Esterification over Silica Sulfonic Acids. <i>ChemSusChem</i> , 2017, 10, 3506-3511.	6.8	24
102	Acetic Acid Ketonization over Fe ₃ O ₄ /SiO ₂ for Pyrolysis Bio-Oil Upgrading. <i>ChemCatChem</i> , 2017, 9, 1648-1654.	3.7	47
103	Green Catalysts. , 2017, , 467-489.		0
104	Cobalt promoted TiO ₂ /GO for the photocatalytic degradation of oxytetracycline and Congo Red. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 159-168.	20.2	298
105	Fenton-like degradation of Bisphenol A catalyzed by mesoporous Cu/TUD-1. <i>Applied Surface Science</i> , 2017, 393, 67-73.	6.1	63
106	Acidity-Reactivity Relationships in Catalytic Esterification over Ammonium Sulfate-Derived Sulfated Zirconia. <i>Catalysts</i> , 2017, 7, 204.	3.5	41
107	Production of biodiesel via catalytic upgrading and refining of sustainable oleagineous feedstocks. , 2016, , 121-164.		1
108	Cu and Fe oxides dispersed on SBA-15: A Fenton type bimetallic catalyst for N,N -diethyl- p -phenyl diamine degradation. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 323-330.	20.2	119

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109	Pore confinement effects and stabilization of carbon nitride oligomers in macroporous silica for photocatalytic hydrogen production. <i>Carbon</i> , 2016, 106, 320-329.	10.3	19
110	Platinum-Catalyzed Aqueous-Phase Hydrogenation of α -Glucose to α -Sorbitol. <i>ACS Catalysis</i> , 2016, 6, 7409-7417.	11.2	94
111	Heterogeneously Catalyzed Hydrothermal Processing of C ₅ –C ₆ Sugars. <i>Chemical Reviews</i> , 2016, 116, 12328-12368.	47.7	253
112	Niobic acid nanoparticle catalysts for the aqueous phase transformation of glucose and fructose to 5-hydroxymethylfurfural. <i>Catalysis Science and Technology</i> , 2016, 6, 7334-7341.	4.1	29
113	Influence of alkyl chain length on sulfated zirconia catalysed batch and continuous esterification of carboxylic acids by light alcohols. <i>Green Chemistry</i> , 2016, 18, 5529-5535.	9.0	52
114	Heterogeneously catalyzed lignin depolymerization. <i>Applied Petrochemical Research</i> , 2016, 6, 243-256.	1.3	42
115	Catalytic applications of waste derived materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3617-3637.	10.3	159
116	Catalyst design for biorefining. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150081.	3.4	35
117	Spatially orthogonal chemical functionalization of a hierarchical pore network for catalytic cascade reactions. <i>Nature Materials</i> , 2016, 15, 178-182.	27.5	101
118	Photodeposition as a facile route to tunable Pt photocatalysts for hydrogen production: on the role of methanol. <i>Catalysis Science and Technology</i> , 2016, 6, 81-88.	4.1	65
119	Facile synthesis of hierarchical Cu ₂ O nanocubes as visible light photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 226-232.	20.2	132
120	Effect of Cu and Sn promotion on the catalytic deoxygenation of model and algal lipids to fuel-like hydrocarbons over supported Ni catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 147-156.	20.2	102
121	Hierarchical mesoporous Pd/ZSM-5 for the selective catalytic hydrodeoxygenation of m-cresol to methylcyclohexane. <i>Catalysis Science and Technology</i> , 2016, 6, 2560-2564.	4.1	51
122	Size-controlled TiO ₂ nanoparticles on porous hosts for enhanced photocatalytic hydrogen production. <i>Applied Catalysis A: General</i> , 2016, 521, 133-139.	4.3	57
123	Hydroxyl radical generation by cactus-like copper oxide nanoporous carbon catalysts for microcystin-LR environmental remediation. <i>Catalysis Science and Technology</i> , 2016, 6, 530-544.	4.1	58
124	The surface chemistry of nanocrystalline MgO catalysts for FAME production: An in situ XPS study of H ₂ O, CH ₃ OH and CH ₃ OAc adsorption. <i>Surface Science</i> , 2016, 646, 170-178.	1.9	40
125	Progress in the Development of Mesoporous Solid Acid and Base Catalysts for Converting Carbohydrates into Platform Chemicals. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 123-169.	0.7	2
126	Hydrophenylation of internal alkynes with boronic acids catalysed by a Ni–Zn hydroxy double salt-intercalated anionic rhodium(III) complex. <i>Catalysis Science and Technology</i> , 2016, 6, 863-868.	4.1	9

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127	Mesoporous sulfonic acid silicas for pyrolysis bio-oil upgrading via acetic acid esterification. <i>Green Chemistry</i> , 2016, 18, 1387-1394.	9.0	50
128	Highly selective hydrogenation of furfural over supported Pt nanoparticles under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 580-585.	20.2	288
129	CO adsorption over Pd nanoparticles: A general framework for IR simulations on nanoparticles. <i>Surface Science</i> , 2016, 646, 210-220.	1.9	65
130	Hydrothermally Stable, Conformal, Sulfated Zirconia Monolayer Catalysts for Glucose Conversion to 5-HMF. <i>ACS Catalysis</i> , 2015, 5, 4345-4352.	11.2	137
131	Hydrothermal Saline Promoted Grafting of Periodic Mesoporous Organic Sulfonic Acid Silicas for Sustainable FAME Production. <i>Catalysis Letters</i> , 2015, 145, 1483-1490.	2.6	15
132	Solid base catalysed 5-HMF oxidation to 2,5-FDCA over Au/hydrotalcites: fact or fiction?. <i>Chemical Science</i> , 2015, 6, 4940-4945.	7.4	125
133	Synthetic strategies to nanostructured photocatalysts for CO ₂ reduction to solar fuels and chemicals. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14487-14516.	10.3	152
134	Facile route to conformal hydrotalcite coatings over complex architectures: a hierarchically ordered nanoporous base catalyst for FAME production. <i>Green Chemistry</i> , 2015, 17, 2398-2405.	9.0	30
135	Catalytic upgrading of biooils by esterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 780-795.	3.2	81
136	Selectivity control in Pt-catalyzed cinnamaldehyde hydrogenation. <i>Scientific Reports</i> , 2015, 5, 9425.	3.3	101
137	Ag Alloyed Pd Single-Atom Catalysts for Efficient Selective Hydrogenation of Acetylene to Ethylene in Excess Ethylene. <i>ACS Catalysis</i> , 2015, 5, 3717-3725.	11.2	545
138	Platinum-catalysed cinnamaldehyde hydrogenation in continuous flow. <i>RSC Advances</i> , 2015, 5, 80022-80026.	3.6	16
139	Recent developments in heterogeneous catalysis for the sustainable production of biodiesel. <i>Catalysis Today</i> , 2015, 242, 3-18.	4.4	148
140	Physicochemical properties of WO _x /ZrO ₂ catalysts for palmitic acid esterification. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 75-84.	20.2	75
141	Valorisation of Vietnamese Rice Straw Waste: Catalytic Aqueous Phase Reforming of Hydrolysate from Steam Explosion to Platform Chemicals. <i>Catalysts</i> , 2014, 4, 414-426.	3.5	13
142	Identifying the active phase in Cs-promoted MgO nanocatalysts for triglyceride transesterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 73-80.	3.2	22
143	An energy-efficient route to the rapid synthesis of organically-modified SBA-15 via ultrasonic template removal. <i>Green Chemistry</i> , 2014, 16, 197-202.	9.0	29
144	Selective oxidation of allylic alcohols over highly ordered Pd/meso-Al ₂ O ₃ catalysts. <i>Catalysis Communications</i> , 2014, 44, 40-45.	3.3	32

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145	Bifunctional SO ₄ /ZrO ₂ catalysts for 5-hydroxymethylfurfural (5-HMF) production from glucose. <i>Catalysis Science and Technology</i> , 2014, 4, 333-342.	4.1	153
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