

Karen Wilson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|----------------|-----------------|
| 298 papers | 14,854 citations | 65 h-index | 111 g-index |
| 319 ext. papers | 16,587 ext. citations | 8.1 avg, IF | 6.86 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 298 | Porous liquids unlock a new class of spatially orthogonal catalyst. <i>Chem</i> , 2022 , 8, 9-11 | 16.2 | |
| 297 | Continuous-flow synthesis of mesoporous SBA-15. <i>Microporous and Mesoporous Materials</i> , 2022 , 329, 111535 | 5.3 | 0 |
| 296 | Endothermic catalytic cracking of liquid hydrocarbons for thermal management of high-speed flight vehicles. <i>Sustainable Energy and Fuels</i> , 2022 , 6, 1664-1686 | 5.8 | 0 |
| 295 | Women in Green Chemistry and Engineering: Agents of Change Toward the Achievement of a Sustainable Future. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2859-2862 | 8.3 | |
| 294 | Alkali-Free Hydrothermally Reconstructed NiAl Layered Double Hydroxides for Catalytic Transesterification. <i>Catalysts</i> , 2022 , 12, 286 | 4 | 0 |
| 293 | Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 5 |
| 292 | Recent advances in CO ₂ hydrogenation to value-added products [Current challenges and future directions. <i>Progress in Energy and Combustion Science</i> , 2021 , 85, 100905 | 33.6 | 31 |
| 291 | 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 | 5.3 | 11 |
| 290 | Surfactant- and template-free hydrothermal assembly of Cu ₂ O visible light photocatalysts for trimethoprim degradation. <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119741 | 21.8 | 27 |
| 289 | Porous crystalline frameworks for thermocatalytic CO ₂ reduction: an emerging paradigm. <i>Energy and Environmental Science</i> , 2021 , 14, 320-352 | 35.4 | 25 |
| 288 | Hydrogenolysis of Lignin-Derived Aromatic Ethers over Heterogeneous Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3379-3407 | 8.3 | 17 |
| 287 | Impact of Surface Defects on LaNiO Perovskite Electrocatalysts for the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2021 , 27, 14418-14426 | 4.8 | 1 |
| 286 | Oxidative dehydrogenation of ethane: catalytic and mechanistic aspects and future trends. <i>Chemical Society Reviews</i> , 2021 , 50, 4564-4605 | 58.5 | 30 |
| 285 | Shining light on the solid-liquid interface: in situ/operando monitoring of surface catalysis. <i>Catalysis Science and Technology</i> , 2020 , 10, 5362-5385 | 5.5 | 7 |
| 284 | Recent Advances in Heterogeneous Catalyst Design for Biorefining. <i>Australian Journal of Chemistry</i> , 2020 , | 1.2 | 2 |
| 283 | Purification and immobilization of engineered glucose dehydrogenase: a new approach to producing gluconic acid from breadwaste. <i>Biotechnology for Biofuels</i> , 2020 , 13, 100 | 7.8 | 10 |
| 282 | Strong metal-support interaction promoted scalable production of thermally stable single-atom catalysts. <i>Nature Communications</i> , 2020 , 11, 1263 | 17.4 | 107 |

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| 281 | Bio/hydrochar Sorbents for Environmental Remediation. <i>Energy and Environmental Materials</i> , 2020 , 3, 453-468 | 13 | 18 |
| 280 | Efficient deoxygenation of waste cooking oil over CoO-LaO-doped activated carbon for the production of diesel-like fuel.. <i>RSC Advances</i> , 2020 , 10, 4996-5009 | 3.7 | 29 |
| 279 | Inducing synergy in bimetallic RhNi catalysts for CO ₂ methanation by galvanic replacement. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119029 | 21.8 | 22 |
| 278 | 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 | 5.3 | 8 |
| 277 | Microwave-Assisted Decarbonylation of Biomass-Derived Aldehydes using Pd-Doped Hydrotalcites. <i>ChemSusChem</i> , 2020 , 13, 312-320 | 8.3 | 11 |
| 276 | 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 | 5.2 | 16 |
| 275 | Catalytic applications of layered double hydroxides in biomass valorisation. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 22, 29-38 | 7.9 | 10 |
| 274 | Catalytic Upgrading of Holocellulose-Derived C 5 and C 6 Sugars 2020 , 145-205 | | |
| 273 | Pd-promoted WO ₃ -ZrO ₂ for low temperature NO _x storage. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118499 | 21.8 | 11 |
| 272 | A spatially orthogonal hierarchically porous acidBase catalyst for cascade and antagonistic reactions. <i>Nature Catalysis</i> , 2020 , 3, 921-931 | 36.5 | 31 |
| 271 | Metal-Acid Synergy: Hydrodeoxygenation of Anisole over Pt/Al-SBA-15. <i>ChemSusChem</i> , 2020 , 13, 4775 | 8.3 | 1 |
| 270 | Ru nanoparticles supported on N-doped reduced graphene oxide as valuable catalyst for the selective aerobic oxidation of benzyl alcohol. <i>Catalysis Today</i> , 2020 , 357, 8-14 | 5.3 | 13 |
| 269 | Metal-Acid Synergy: Hydrodeoxygenation of Anisole over Pt/Al-SBA-15. <i>ChemSusChem</i> , 2020 , 13, 4945-4953 | 5.3 | 11 |
| 268 | Structure-Reactivity Relations in Ruthenium Catalysed Furfural Hydrogenation. <i>ChemCatChem</i> , 2019 , 11, 3927-3932 | 5.2 | 25 |
| 267 | Cascade Aerobic Selective Oxidation over Contiguous Dual-Catalyst Beds in Continuous Flow. <i>ACS Catalysis</i> , 2019 , 9, 5345-5352 | 13.1 | 13 |
| 266 | Unravelling mass transport in hierarchically porous catalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11814-11825 | 13 | 33 |
| 265 | Printing approaches to inorganic semiconductor photocatalyst fabrication. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10858-10878 | 13 | 24 |
| 264 | A core-shell SO ₄ /Mg-Al-Fe ₃ O ₄ catalyst for biodiesel production. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118093 | 21.8 | 59 |

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| 263 | Template free mild hydrothermal synthesis of core-shell Cu ₂ O(Cu)@CuO visible light photocatalysts for N-acetyl-para-aminophenol degradation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20767-20777 | 13 | 27 |
| 262 | Atomically dispersed nickel as coke-resistant active sites for methane dry reforming. <i>Nature Communications</i> , 2019 , 10, 5181 | 17.4 | 184 |
| 261 | Octanoic acid hydrodeoxygenation over bifunctional Ni/Al-SBA-15 catalysts. <i>Catalysis Science and Technology</i> , 2019 , 9, 6673-6680 | 5.5 | 15 |
| 260 | Ga/HZSM-5 Catalysed Acetic Acid Ketonisation for Upgrading of Biomass Pyrolysis Vapours. <i>Catalysts</i> , 2019 , 9, 841 | 4 | 11 |
| 259 | Mesoporous NiO/Al-SBA-15 catalysts for solvent-free deoxygenation of palm fatty acid distillate. <i>Microporous and Mesoporous Materials</i> , 2019 , 276, 13-22 | 5.3 | 47 |
| 258 | Acceptorless Amine Dehydrogenation and Transamination Using Pd-Doped Hydrotalcites. <i>ACS Catalysis</i> , 2019 , 9, 1055-1065 | 13.1 | 23 |
| 257 | Functionalized Periodic Mesoporous Organosilicas: Tunable Hydrophobic Solid Acids for Biomass Conversion. <i>Molecules</i> , 2019 , 24, | 4.8 | 19 |
| 256 | Platinum catalysed aerobic selective oxidation of cinnamaldehyde to cinnamic acid. <i>Catalysis Today</i> , 2019 , 333, 161-168 | 5.3 | 10 |
| 255 | MoS ₂ and WS ₂ nanocone arrays: Impact of surface topography on the hydrogen evolution electrocatalytic activity and mass transport. <i>Applied Materials Today</i> , 2018 , 11, 70-81 | 6.6 | 23 |
| 254 | 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 | 21.8 | 150 |
| 253 | Synthesis of Amine Functionalized Mesoporous Silicas Templated by Castor Oil for Transesterification. <i>MRS Advances</i> , 2018 , 3, 2261-2269 | 0.7 | 3 |
| 252 | Zirconia catalysed acetic acid ketonisation for pre-treatment of biomass fast pyrolysis vapours. <i>Catalysis Science and Technology</i> , 2018 , 8, 1134-1141 | 5.5 | 25 |
| 251 | Impact of Hydrophobic Organohybrid Silicas on the Stability of Ni ₂ P Catalyst Phase in the Hydrodeoxygenation of Biophenols. <i>ChemCatChem</i> , 2018 , 10, 2219-2231 | 5.2 | 9 |
| 250 | Lipase immobilised on silica monoliths as continuous-flow microreactors for triglyceride transesterification. <i>Reaction Chemistry and Engineering</i> , 2018 , 3, 68-74 | 4.9 | 10 |
| 249 | Intraparticle Diffusional versus Site Effects on Reaction Pathways in Liquid-Phase Cross Aldol Reactions. <i>ChemPhysChem</i> , 2018 , 19, 386-401 | 3.2 | 2 |
| 248 | Hydrogen evolution enhancement of ultra-low loading, size-selected molybdenum sulfide nanoclusters by sulfur enrichment. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 84-91 | 21.8 | 35 |
| 247 | 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 | 21.8 | 52 |
| 246 | 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 | 3.3 | 13 |

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| 245 | Label-free glucose biosensor based on enzymatic graphene oxide-functionalized tilted fiber grating. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 1033-1039 | 8.5 | 87 |
| 244 | Catalytic hydrodeoxygenation of m-cresol over Ni ₂ P/hierarchical ZSM-5. <i>Catalysis Today</i> , 2018 , 304, 72-79 | 5.3 | 50 |
| 243 | On the Impact of the Preparation Method on the Surface Basicity of Mg ₂ Zr Mixed Oxide Catalysts for Tributyrin Transesterification. <i>Catalysts</i> , 2018 , 8, 228 | 4 | 9 |
| 242 | Optimization of ruthenium based catalysts for the aqueous phase hydrogenation of furfural to furfuryl alcohol. <i>Applied Catalysis A: General</i> , 2018 , 563, 177-184 | 5.1 | 30 |
| 241 | 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 | 2 |
| 240 | Size-Dependent Visible Light Photocatalytic Performance of Cu ₂ O Nanocubes. <i>ChemCatChem</i> , 2018 , 10, 3554-3563 | 5.2 | 33 |
| 239 | Tuning solid catalysts to control regioselectivity in cross aldol condensations with unsymmetrical ketones for biomass conversion. <i>Molecular Catalysis</i> , 2018 , 458, 247-260 | 3.3 | 11 |
| 238 | 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 | 3.1 | 29 |
| 237 | Citrate-mediated sol-gel synthesis of Al-substituted sulfated zirconia catalysts for α -pinene isomerization. <i>Molecular Catalysis</i> , 2018 , 458, 206-212 | 3.3 | 7 |
| 236 | Alkali-Free ZnAl Layered Double Hydroxide Catalysts for Triglyceride Transesterification. <i>Catalysts</i> , 2018 , 8, 667 | 4 | 5 |
| 235 | 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 | 8.3 | 13 |
| 234 | Gold-catalyzed conversion of lignin to low molecular weight aromatics. <i>Chemical Science</i> , 2018 , 9, 8127-8133 | 5.33 | 44 |
| 233 | Tunable Silver-Functionalized Porous Frameworks for Antibacterial Applications. <i>Antibiotics</i> , 2018 , 7, | 4.9 | 3 |
| 232 | Mechanistic Aspects of Hydrodeoxygenation of p-Methylguaiacol over Rh/Silica and Pt/Silica. <i>Organic Process Research and Development</i> , 2018 , 22, 1586-1589 | 3.9 | 4 |
| 231 | Sol-gel synthesis of SBA-15: Impact of HCl on surface chemistry. <i>Microporous and Mesoporous Materials</i> , 2018 , 271, 196-202 | 5.3 | 21 |
| 230 | Support enhanced α -pinene isomerization over HPW/SBA-15. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 10-18 | 21.8 | 61 |
| 229 | On the Mn promoted synthesis of higher alcohols over Cu derived ternary catalysts. <i>Catalysis Science and Technology</i> , 2017 , 7, 988-999 | 5.5 | 25 |
| 228 | High activity magnetic core-mesoporous shell sulfonic acid silica nanoparticles for carboxylic acid esterification. <i>Catalysis Communications</i> , 2017 , 92, 56-60 | 3.2 | 28 |

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| 227 | 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 | 3.5 | 74 |
| 226 | 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 | 2.3 | 36 |
| 225 | 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 | 5.1 | 17 |
| 224 | Tunable Ag@SiO ₂ core-shell nanocomposites for broad spectrum antibacterial applications. <i>RSC Advances</i> , 2017 , 7, 23342-23347 | 3.7 | 10 |
| 223 | Octyl Co-grafted PrSO ₃ H/SBA-15: Tunable Hydrophobic Solid Acid Catalysts for Acetic Acid Esterification. <i>ChemCatChem</i> , 2017 , 9, 2231-2238 | 5.2 | 24 |
| 222 | 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 | 2.3 | 13 |
| 221 | 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 | 3.8 | 49 |
| 220 | P25@CoAl layered double hydroxide heterojunction nanocomposites for CO ₂ photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 394-404 | 21.8 | 152 |
| 219 | 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 | 9 |
| 218 | A new application for transition metal chalcogenides: WS ₂ catalysed esterification of carboxylic acids. <i>Catalysis Communications</i> , 2017 , 91, 16-20 | 3.2 | 13 |
| 217 | Nb ₂ O ₅ /SBA-15 catalyzed propanoic acid esterification. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 498-504 | 21.8 | 34 |
| 216 | Plasma-Generated Poly(allyl alcohol) Antifouling Coatings for Cellular Attachment. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 88-94 | 5.5 | 4 |
| 215 | Tailored mesoporous silica supports for Ni catalysed hydrogen production from ethanol steam reforming. <i>Catalysis Communications</i> , 2017 , 91, 76-79 | 3.2 | 40 |
| 214 | Efficient one-pot production of γ -valerolactone from xylose over Zr-Al-Beta zeolite: rational optimization of catalyst synthesis and reaction conditions. <i>Green Chemistry</i> , 2017 , 19, 5114-5121 | 10 | 41 |
| 213 | Classical strong metal-support interactions between gold nanoparticles and titanium dioxide. <i>Science Advances</i> , 2017 , 3, e1700231 | 14.3 | 213 |
| 212 | Bio-based materials: general discussion. <i>Faraday Discussions</i> , 2017 , 202, 121-139 | 3.6 | 3 |
| 211 | 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 | 0.5 | 2 |
| 210 | Tailored Porous Catalysts for Esterification Processes in Biofuels Production 2017 , 753-802 | | |

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| 209 | Electrochemical sulfidation of WS ₂ nanoarrays: Strong dependence of hydrogen evolution activity on transition metal sulfide surface composition. <i>Electrochemistry Communications</i> , 2017 , 81, 106-111 | 5.1 | 13 |
| 208 | Impact of Macroporosity on Catalytic Upgrading of Fast Pyrolysis Bio-Oil by Esterification over Silica Sulfonic Acids. <i>ChemSusChem</i> , 2017 , 10, 3506-3511 | 8.3 | 21 |
| 207 | Acetic Acid Ketonization over FeO/SiO ₂ for Pyrolysis Bio-Oil Upgrading. <i>ChemCatChem</i> , 2017 , 9, 1648-1654 | 5.2 | 35 |
| 206 | Acidity-Reactivity Relationships in Catalytic Esterification over Ammonium Sulfate-Derived Sulfated Zirconia. <i>Catalysts</i> , 2017 , 7, 204 | 4 | 29 |
| 205 | Hydrophenylation of internal alkynes with boronic acids catalysed by a Ni ^{II} /N hydroxy double salt-intercalated anionic rhodium(III) complex. <i>Catalysis Science and Technology</i> , 2016 , 6, 863-868 | 5.5 | 8 |
| 204 | Mesoporous sulfonic acid silicas for pyrolysis bio-oil upgrading via acetic acid esterification. <i>Green Chemistry</i> , 2016 , 18, 1387-1394 | 10 | 43 |
| 203 | Highly selective hydrogenation of furfural over supported Pt nanoparticles under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 580-585 | 21.8 | 217 |
| 202 | CO adsorption over Pd nanoparticles: A general framework for IR simulations on nanoparticles. <i>Surface Science</i> , 2016 , 646, 210-220 | 1.8 | 43 |
| 201 | Synthesis and ammonolysis of nickel and cobalt tungstates and their characterisation. <i>Journal of Saudi Chemical Society</i> , 2016 , 20, 405-410 | 4.3 | 8 |
| 200 | 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 | 10 | 41 |
| 199 | Catalytic applications of waste derived materials. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3617-3637 | 13 | 127 |
| 198 | Catalyst design for biorefining. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374, | 3 | 29 |
| 197 | Spatially orthogonal chemical functionalization of a hierarchical pore network for catalytic cascade reactions. <i>Nature Materials</i> , 2016 , 15, 178-82 | 27 | 86 |
| 196 | Electrocatalytic regeneration of atmospherically aged MoS ₂ nanostructures via solution-phase sulfidation. <i>RSC Advances</i> , 2016 , 6, 26689-26695 | 3.7 | 5 |
| 195 | Bio-inspired carbon electro-catalysts for the oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2016 , 25, 228-235 | 12 | 19 |
| 194 | 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 | 5.5 | 44 |
| 193 | Pd/C catalysts based on synthetic carbons with bi- and tri-modal pore-size distribution: applications in flow chemistry. <i>Catalysis Science and Technology</i> , 2016 , 6, 2387-2395 | 5.5 | 9 |
| 192 | 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 | 5.5 | 45 |

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| 191 | 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 | 1.8 | 34 |
| 190 | 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 | 1.1 | 2 |
| 189 | Platinum-Catalyzed Aqueous-Phase Hydrogenation of d-Glucose to d-Sorbitol. <i>ACS Catalysis</i> , 2016 , 6, 7409-7417 | 13.1 | 58 |
| 188 | Heterogeneously Catalyzed Hydrothermal Processing of C-C Sugars. <i>Chemical Reviews</i> , 2016 , 116, 12328-12368 | 13.1 | 192 |
| 187 | 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 | 5.5 | 24 |
| 186 | Catalytic upgrading of bio-oils by esterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 780-795 | 3.5 | 69 |
| 185 | Selectivity control in Pt-catalyzed cinnamaldehyde hydrogenation. <i>Scientific Reports</i> , 2015 , 5, 9425 | 4.9 | 85 |
| 184 | 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 | 13.1 | 400 |
| 183 | Platinum-catalysed cinnamaldehyde hydrogenation in continuous flow. <i>RSC Advances</i> , 2015 , 5, 80022-80026 | 9.7 | 15 |
| 182 | Recent developments in heterogeneous catalysis for the sustainable production of biodiesel. <i>Catalysis Today</i> , 2015 , 242, 3-18 | 5.3 | 108 |
| 181 | Physicochemical properties of WO _x /ZrO ₂ catalysts for palmitic acid esterification. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 75-84 | 21.8 | 58 |
| 180 | Green preparation of tuneable carbon/silica composite materials from wastes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14148-14156 | 13 | 11 |
| 179 | Hydrothermally Stable, Conformal, Sulfated Zirconia Monolayer Catalysts for Glucose Conversion to 5-HMF. <i>ACS Catalysis</i> , 2015 , 5, 4345-4352 | 13.1 | 120 |
| 178 | Hydrothermal Saline Promoted Grafting of Periodic Mesoporous Organic Sulfonic Acid Silicas for Sustainable FAME Production. <i>Catalysis Letters</i> , 2015 , 145, 1483-1490 | 2.8 | 14 |
| 177 | Solid base catalysed 5-HMF oxidation to 2,5-FDCA over Au/hydrotalcites: fact or fiction?. <i>Chemical Science</i> , 2015 , 6, 4940-4945 | 9.4 | 98 |
| 176 | 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 | 10 | 25 |
| 175 | Selective oxidation of allylic alcohols over highly ordered Pd/meso-Al ₂ O ₃ catalysts. <i>Catalysis Communications</i> , 2014 , 44, 40-45 | 3.2 | 30 |
| 174 | Bifunctional SO ₄ /ZrO ₂ catalysts for 5-hydroxymethylfurfural (5-HMF) production from glucose. <i>Catalysis Science and Technology</i> , 2014 , 4, 333-342 | 5.5 | 132 |

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| 173 | Efficient 1,4-Addition of Enones and Boronic Acids Catalyzed by a Ni ₂ Zn Hydroxyl Double Salt-Intercalated Anionic Rhodium(III) Complex. <i>ACS Catalysis</i> , 2014 , 4, 4040-4046 | 13.1 | 20 |
| 172 | Conformal sulfated zirconia monolayer catalysts for the one-pot synthesis of ethyl levulinate from glucose. <i>Chemical Communications</i> , 2014 , 50, 11742-5 | 5.8 | 79 |
| 171 | Heterogeneous catalysis for sustainable biodiesel production via esterification and transesterification. <i>Chemical Society Reviews</i> , 2014 , 43, 7887-916 | 58.5 | 514 |
| 170 | A review of advanced catalyst development for Fischer-Tropsch synthesis of hydrocarbons from biomass derived syn-gas. <i>Catalysis Science and Technology</i> , 2014 , 4, 2210-2229 | 5.5 | 344 |
| 169 | New insights in the deactivation of sulfonic modified SBA-15 catalysts for biodiesel production from low-grade oleaginous feedstock. <i>Applied Catalysis A: General</i> , 2014 , 488, 111-118 | 5.1 | 14 |
| 168 | Impact of co-adsorbed oxygen on crotonaldehyde adsorption over gold nanoclusters: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11236-44 | 3.6 | 2 |
| 167 | Alumina-grafted SBA-15 as a high performance support for Pd-catalysed cinnamyl alcohol selective oxidation. <i>Catalysis Today</i> , 2014 , 229, 46-55 | 5.3 | 49 |
| 166 | Can surface energy measurements predict the impact of catalyst hydrophobicity upon fatty acid esterification over sulfonic acid functionalised periodic mesoporous organosilicas?. <i>Catalysis Today</i> , 2014 , 234, 167-173 | 5.3 | 26 |
| 165 | Alkali- and nitrate-free synthesis of highly active Mg-Al hydrotalcite-coated alumina for FAME production. <i>Catalysis Science and Technology</i> , 2014 , 4, 861-870 | 5.5 | 27 |
| 164 | Synthesis of CuS and CuS/ZnS core/shell nanocrystals for photocatalytic degradation of dyes under visible light. <i>Catalysis Communications</i> , 2014 , 44, 62-67 | 3.2 | 100 |
| 163 | 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 | 4 | 11 |
| 162 | Identifying the active phase in Cs-promoted MgO nanocatalysts for triglyceride transesterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 73-80 | 3.5 | 18 |
| 161 | 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 | 10 | 23 |
| 160 | Hierarchically Ordered Nanoporous Pd/SBA-15 Catalyst for the Aerobic Selective Oxidation of Sterically Challenging Allylic Alcohols. <i>ACS Catalysis</i> , 2013 , 3, 2122-2129 | 13.1 | 53 |
| 159 | Operando synchronous DRIFTS/MS/XAS as a powerful tool for guiding the design of Pd catalysts for the selective oxidation of alcohols. <i>Catalysis Today</i> , 2013 , 205, 76-85 | 5.3 | 27 |
| 158 | Multiscale modelling of heterogeneously catalysed transesterification reaction process: an overview. <i>RSC Advances</i> , 2013 , 3, 6226 | 3.7 | 12 |
| 157 | Analysis of Functional Materials by X-ray Photoelectron Spectroscopy 2013 , 301-350 | | |
| 156 | True liquid crystal templating of SBA-15 with reduced microporosity. <i>Microporous and Mesoporous Materials</i> , 2013 , 172, 112-117 | 5.3 | 15 |

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| 152 | Mechanistic Studies of Alcohol Selective Oxidation 2013 , 11-38 | | 2 |
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| 149 | Site-Isolated Heterogeneous Catalysts 2013 , 173-191 | | 1 |
| 148 | Designing Porous Inorganic Architectures 2013 , 193-240 | | 1 |
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| 146 | Application of Metal-Organic Frameworks in Fine Chemical Synthesis 2013 , 293-331 | | 2 |
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