# Nikolaos Dimitratos

List of Publications by Year
in descending order

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| 172 | 12,611 | 25034 | 25787 |
|---|---|---|---|
| papers | citations | 57 h-index | 108 g-index |

| 187 | 187 | 187 | 11593 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selective decomposition of hydrazine over metal free carbonaceous materials. Physical Chemistry Chemical Physics, 2022, 24, 3017-3029. | 2.8 | 3 |
| 2 | Furfural Adsorption and Hydrogenation at the Oxideâ€Metal Interface: Evidence of the Support Influence on the Selectivity of Iridiumâ€Based Catalysts. ChemCatChem, 2022, 14, . | 3.7 | 7 |
| 3 | Computational Investigation of Microreactor Configurations for Hydrogen Production from Formic Acid Decomposition Using a Pd/C Catalyst. Industrial & Engineering Chemistry Research, 2022, 61, 1655-1665. | 3.7 | 11 |
| 4 | Hydrogenation of carbon dioxide (CO<sub>2</sub>) to fuels in microreactors: a review of set-ups and value-added chemicals production. Reaction Chemistry and Engineering, 2022, 7, 795-812. | 3.7 | 7 |
| 5 | Effect of the Colloidal Preparation Method for Supported Preformed Colloidal Au Nanoparticles for the Liquid Phase Oxidation of 1,6-Hexanediol to Adipic Acid. Catalysts, 2022, 12, 196. | 3.5 | 11 |
| 6 | A comparative study on the stability of the furfural molecule on the low index Ni, Pd and Pt surfaces. Royal Society Open Science, 2022, 9, 211516. | 2.4 | 4 |
| 7 | Temperature-Dependent Activity of Gold Nanocatalysts Supported on Activated Carbon in Redox Catalytic Reactions: 5-Hydroxymethylfurfural Oxidation and 4-Nitrophenol Reduction Comparison. Catalysts, 2022, 12, 323. | 3.5 | 5 |
| 8 | A Comprehensive Review on Two-Step Thermochemical Water Splitting for Hydrogen Production in a Redox Cycle. Energies, 2022, 15, 3044. | 3.1 | 11 |
| 9 | Oxidative condensation/esterification of furfural with ethanol using preformed Au colloidal nanoparticles. Impact of stabilizer and heat treatment protocols on catalytic activity and stability. Molecular Catalysis, 2022, 528, 112438. | 2.0 | 3 |
| 10 | Synthesis of palladium-rhodium bimetallic nanoparticles for formic acid dehydrogenation. Journal of Energy Chemistry, 2021, 52, 301-309. | 12.9 | 31 |
| 11 | Continuous-Flow Methyl Methacrylate Synthesis over Gallium-Based Bifunctional Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 1790-1803. | 6.7 | 16 |
| 12 | Decomposition of Additive-Free Formic Acid Using a Pd/C Catalyst in Flow: Experimental and CFD Modelling Studies. Catalysts, 2021, 11, 341. | 3.5 | 15 |
| 13 | Catalytic Transformation of Renewables (Olefin, Bio-Sourced, et al.). Catalysts, 2021, 11, 364. | 3.5 | 0 |
| 14 | Effect of Polyvinyl Alcohol Ligands on Supported Gold Nano-Catalysts: Morphological and Kinetics Studies. Nanomaterials, 2021, 11, 879. | 4.1 | 14 |
| 15 | A Career in Catalysis: Graham J. Hutchings. ACS Catalysis, 2021, 11, 5916-5933. | 11.2 | 2 |
| 16 | Hydrous Hydrazine Decomposition for Hydrogen Production Using of Ir/CeO2: Effect of Reaction Parameters on the Activity. Nanomaterials, 2021, 11, 1340. | 4.1 | 15 |
| 17 | Methane Oxidation to Methanol in Water. Accounts of Chemical Research, 2021, 54, 2614-2623. | 15.6 | 69 |
| 18 | Enhancing activity, selectivity and stability of palladium catalysts in formic acid decomposition: Effect of support functionalization. Catalysis Today, 2021, 382, 61-70. | 4.4 | 16 |

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| 19 | Disclosing the Role of Gold on Palladium â€“ Gold Alloyed Supported Catalysts in Formic Acid Decomposition. ChemCatChem, 2021, 13, 4210-4222. | 3.7 | 16 |
| 20 | Experimental and Process Modelling Investigation of the Hydrogen Generation from Formic Acid Decomposition Using a Pd/Zn Catalyst. Applied Sciences (Switzerland), 2021, 11, 8462. | 2.5 | 7 |
| 21 | On the role of bismuth as modifier in AuPdBi catalysts: Effects on liquid-phase oxidation and hydrogenation reactions. Catalysis Communications, 2021, 158, 106340. | 3.3 | 4 |
| 22 | Controlling the Production of Acid Catalyzed Products of Furfural Hydrogenation by Pd/TiO<sub>2</sub>. ChemCatChem, 2021, 13, 5121-5133. | 3.7 | 11 |
| 23 | Plasmonic Oxidation of Glycerol Using Au/TiO2 Catalysts Prepared by Sol-Immobilisation. Catalysis Letters, 2020, 150, 49-55. | 2.6 | 8 |
| 24 | Continuous Flow Synthesis of Bimetallic AuPd Catalysts for the Selective Oxidation of 5â€Hydroxymethylfurfural to 2,5â€Furandicarboxylic Acid. ChemNanoMat, 2020, 6, 420-426. | 2.8 | 17 |
| 25 | Role of defects in carbon materials during metal-free formic acid dehydrogenation. Nanoscale, 2020, 12, 22768-22777. | 5.6 | 19 |
| 26 | The Effect of Noble Metal (M: Ir, Pt, Pd) on M/Ce2O3-Î³-Al2O3 Catalysts for Hydrogen Production via the Steam Reforming of Glycerol. Catalysts, 2020, 10, 790. | 3.5 | 18 |
| 27 | Goldâ€“palladium colloids as catalysts for hydrogen peroxide synthesis, degradation and methane oxidation: effect of the PVP stabiliser. Catalysis Science and Technology, 2020, 10, 5935-5944. | 4.1 | 21 |
| 28 | Optimization of sol-immobilized bimetallic Auâ€“Pd/TiO <sub>2</sub> catalysts: reduction of 4-nitrophenol to 4-aminophenol for wastewater remediation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200057. | 3.4 | 6 |
| 29 | Octane isomer dynamics in H-ZSM-5 as a function of Si/Al ratio: a quasi-elastic neutron scattering study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200063. | 3.4 | 2 |
| 30 | Scale-Up of Cluster Beam Deposition to the Gram Scale with the Matrix Assembly Cluster Source for Heterogeneous Catalysis (Catalytic Ozonation of Nitrophenol in Aqueous Solution). ACS Applied Materials & Interfaces, 2020, 12, 24877-24882. | 8.0 | 15 |
| 31 | Preformed Pd-Based Nanoparticles for the Liquid Phase Decomposition of Formic Acid: Effect of Stabiliser, Support and Auâ€“Pd Ratio. Applied Sciences (Switzerland), 2020, 10, 1752. | 2.5 | 10 |
| 32 | Effect of Carbon Support, Capping Agent Amount, and Pd NPs Size for Bio-Adipic Acid Production from Muconic Acid and Sodium Muconate. Nanomaterials, 2020, 10, 505. | 4.1 | 11 |
| 33 | Mechanistic study of hydrazine decomposition on Ir(111). Physical Chemistry Chemical Physics, 2020, 22, 3883-3896. | 2.8 | 24 |
| 34 | DFT-Assisted Spectroscopic Studies on the Coordination of Small Ligands to Palladium: From Isolated Ions to Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 4781-4790. | 3.1 | 4 |
| 35 | Dual-Site-Mediated Hydrogenation Catalysis on Pd/NiO: Selective Biomass Transformation and Maintenance of Catalytic Activity at Low Pd Loading. ACS Catalysis, 2020, 10, 5483-5492. | 11.2 | 52 |
| 36 | Improved Catalytic Transfer Hydrogenation of Levulinate Esters with Alcohols over ZrO2 Catalyst. , 2020, 2, . | | 2 |

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| 37 | Promotion Mechanisms of Au Supported on TiO<sub>2</sub> in Thermal- and Photocatalytic Glycerol Conversion. Journal of Physical Chemistry C, 2019, 123, 19734-19741. | 3.1 | 16 |
| 38 | Tandem Hydrogenation/Hydrogenolysis of Furfural to 2-Methylfuran over a Fe/Mg/O Catalyst: Structureâ€“Activity Relationship. Catalysts, 2019, 9, 895. | 3.5 | 18 |
| 39 | Pt and Pt/Sn carbonyl clusters as precursors for the synthesis of supported metal catalysts for the base-free oxidation of HMF. Applied Catalysis A: General, 2019, 588, 117279. | 4.3 | 34 |
| 40 | Extracting structural information of Au colloids at ultra-dilute concentrations: identification of growth during nanoparticle immobilization. Nanoscale Advances, 2019, 1, 2546-2552. | 4.6 | 2 |
| 41 | Bio Adipic Acid Production from Sodium Muconate and Muconic Acid: A Comparison of two Systems. ChemCatChem, 2019, 11, 3075-3084. | 3.7 | 14 |
| 42 | AuPd-nNiO as an effective catalyst for the base-free oxidation of HMF under mild reaction conditions. Green Chemistry, 2019, 21, 4090-4099. | 9.0 | 62 |
| 43 | A study of the oxidehydration of 1,2-propanediol to propanoic acid with bifunctional catalysts. Applied Catalysis A: General, 2019, 582, 117102. | 4.3 | 7 |
| 44 | Gas-Phase Catalytic Transfer Hydrogenation of Methyl Levulinate with Ethanol over ZrO<sub>2</sub>. ACS Sustainable Chemistry and Engineering, 2019, 7, 8317-8330. | 6.7 | 36 |
| 45 | Metal-Support Cooperative Effects in Au/VPO for the Aerobic Oxidation of Benzyl Alcohol to Benzyl Benzoate. Nanomaterials, 2019, 9, 299. | 4.1 | 10 |
| 46 | High pressure CO2 photoreduction using Au/TiO2: unravelling the effect of co-catalysts and of titania polymorphs. Catalysis Science and Technology, 2019, 9, 2253-2265. | 4.1 | 34 |
| 47 | Synthesis of highly uniform and composition-controlled goldâ€“palladium supported nanoparticles in continuous flow. Nanoscale, 2019, 11, 8247-8259. | 5.6 | 35 |
| 48 | Preformed Au colloidal nanoparticles immobilised on NiO as highly efficient heterogeneous catalysts for reduction of 4-nitrophenol to 4-aminophenol. Journal of Environmental Chemical Engineering, 2019, 7, 103381. | 6.7 | 12 |
| 49 | The Effect of Carbon Nanofibers Surface Properties in Hydrogenation and Dehydrogenation Reactions. Applied Sciences (Switzerland), 2019, 9, 5061. | 2.5 | 6 |
| 50 | Tuning of catalytic sites in Pt/TiO2 catalysts for the chemoselective hydrogenation of 3-nitrostyrene. Nature Catalysis, 2019, 2, 873-881. | 34.4 | 183 |
| 51 | Valorisation of Biomass Derived Furfural and Levulinic Acid by Highly Efficient Pd@ND Catalyst. Energy Technology, 2019, 7, 269-276. | 3.8 | 12 |
| 52 | Steam reforming of ethanol over Ni/MgAl2O4 catalysts. International Journal of Hydrogen Energy, 2019, 44, 952-964. | 7.1 | 67 |
| 53 | Preparation of bifunctional Au-Pd/TiO2 catalysts and research on methanol liquid phase one-step oxidation to methyl formate. Catalysis Today, 2018, 316, 206-213. | 4.4 | 13 |
| 54 | Cinnamaldehyde hydrogenation using Auâ€“Pd catalysts prepared by sol immobilisation. Catalysis Science and Technology, 2018, 8, 1677-1685. | 4.1 | 46 |

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| 55 | Hydrogen Generation from Additive-Free Formic Acid Decomposition Under Mild Conditions by Pd/C: Experimental and DFT Studies. Topics in Catalysis, 2018, 61, 254-266. | 2.8 | 68 |
| 56 | An investigation on AuPt and AuPt-Bi on granular carbon as catalysts for the oxidation of glycerol under continuous flow conditions. Catalysis Today, 2018, 308, 50-57. | 4.4 | 25 |
| 57 | Supported metal nanoparticles with tailored catalytic properties through sol-immobilisation: applications for the hydrogenation of nitrophenols. Faraday Discussions, 2018, 208, 443-454. | 3.2 | 13 |
| 58 | Surface Probing by Spectroscopy on Titania-Supported Gold Nanoparticles for a Photoreductive Application. Catalysts, 2018, 8, 623. | 3.5 | 13 |
| 59 | Hydrogen production from formic acid decomposition in the liquid phase using Pd nanoparticles supported on CNFs with different surface properties. Sustainable Energy and Fuels, 2018, 2, 2705-2716. | 4.9 | 37 |
| 60 | Controlling the Incorporation of Phosphorus Functionalities on Carbon Nanofibers: Effects on the Catalytic Performance of Fructose Dehydration. Journal of Carbon Research, 2018, 4, 9. | 2.7 | 13 |
| 61 | Catalytic Performances of Auâ€“Pt Nanoparticles on Phosphorous Functionalized Carbon Nanofibers towards HMF Oxidation. Journal of Carbon Research, 2018, 4, 48. | 2.7 | 8 |
| 62 | Exploring the Effect of Au/Pt Ratio on Glycerol Oxidation in Presence and Absence of a Base. Catalysts, 2018, 8, 54. | 3.5 | 23 |
| 63 | Investigation of the Catalytic Performance of Pd/CNFs for Hydrogen Evolution from Additive-Free Formic Acid Decomposition. Journal of Carbon Research, 2018, 4, 26. | 2.7 | 13 |
| 64 | Directed aqueous-phase reforming of glycerol through tailored platinum nanoparticles. Applied Catalysis B: Environmental, 2018, 238, 618-628. | 20.2 | 58 |
| 65 | Tandem Site- and Size-Controlled Pd Nanoparticles for the Directed Hydrogenation of Furfural. ACS Catalysis, 2017, 7, 2266-2274. | 11.2 | 113 |
| 66 | Catalytic formation of C(sp<sup>3</sup>)â€“F bonds via decarboxylative fluorination with mechanochemically-prepared Ag<sub>2</sub>O/TiO<sub>2</sub> heterogeneous catalysts. RSC Advances, 2017, 7, 30185-30190. | 3.6 | 11 |
| 67 | Highly Active Gold and Goldâ€“Palladium Catalysts Prepared by Colloidal Methods in the Absence of Polymer Stabilizers. ChemCatChem, 2017, 9, 2914-2918. | 3.7 | 17 |
| 68 | The adsorption of Cu on the CeO<sub>2</sub>(110) surface. Physical Chemistry Chemical Physics, 2017, 19, 27191-27203. | 2.8 | 17 |
| 69 | Aqueous Au-Pd colloids catalyze selective CH <sub>4</sub> oxidation to CH <sub>3</sub> OH with O <sub>2</sub> under mild conditions. Science, 2017, 358, 223-227. | 12.6 | 478 |
| 70 | Transfer Dehydrogenation of 1-Phenylethanol Over Pd/C Under Mild Conditions: Effect of Reaction Conditions and Optimization of Catalytic Performance. Catalysis Letters, 2017, 147, 2372-2384. | 2.6 | 3 |
| 71 | The Lowâ€Temperature Oxidation of Propane by using H<sub>2</sub>O<sub>2</sub> and Fe/ZSMâ€5 Catalysts: Insights into the Active Site and Enhancement of Catalytic Turnover Frequencies. ChemCatChem, 2017, 9, 642-650. | 3.7 | 16 |
| 72 | Enhanced Activity of Au/NiO Nanohybrids for the Reductive Amination of Benzyl Alcohol. Materials, 2017, 10, 1435. | 2.9 | 3 |

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| 73 | Electron Microscopy Investigations of Precious Metal Catalysts: Towards Controlled Synthesis of Ultra-Small Nanoparticles. Microscopy and Microanalysis, 2017, 23, 1854-1855. | 0.4 | 0 |
| 74 | Spectroscopic Investigation of Titaniaâ€Supported Gold Nanoparticles Prepared by a Modified Deposition/Precipitation Method for the Oxidation of CO. ChemCatChem, 2016, 8, 2136-2145. | 3.7 | 11 |
| 75 | The adsorbed state of a thiol on palladium nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 17265-17271. | 2.8 | 6 |
| 76 | Methanol diffusion in zeolite HY: a combined quasielastic neutron scattering and molecular dynamics simulation study. Physical Chemistry Chemical Physics, 2016, 18, 17294-17302. | 2.8 | 38 |
| 77 | Pd/ZnO catalysts for direct CO2 hydrogenation to methanol. Journal of Catalysis, 2016, 343, 133-146. | 6.2 | 359 |
| 78 | Exploring the mechanisms of metal co-catalysts in photocatalytic reduction reactions: Is Ag a good candidate?. Applied Catalysis A: General, 2016, 518, 213-220. | 4.3 | 17 |
| 79 | 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 |
| 80 | Optimised hydrogen production by aqueous phase reforming of glycerol on Pt/Al2O3. International Journal of Hydrogen Energy, 2016, 41, 18441-18450. | 7.1 | 49 |
| 81 | Catalytic decomposition of carbon-based liquid-phase chemical hydrogen storage materials for hydrogen generation under mild conditions. Applied Petrochemical Research, 2016, 6, 269-277. | 1.3 | 5 |
| 82 | Mechanistic Insight into the Interaction Between a Titanium Dioxide Photocatalyst and Pd Cocatalyst for Improved Photocatalytic Performance. ACS Catalysis, 2016, 6, 4239-4247. | 11.2 | 50 |
| 83 | Characterisation of gold catalysts. Chemical Society Reviews, 2016, 45, 4953-4994. | 38.1 | 140 |
| 84 | Effect of the preparation method of supported Au nanoparticles in the liquid phase oxidation of glycerol. Applied Catalysis A: General, 2016, 514, 267-275. | 4.3 | 37 |
| 85 | Depressing the hydrogenation and decomposition reaction in H<sub>2</sub>O<sub>2</sub> synthesis by supporting AuPd on oxygen functionalized carbon nanofibers. Catalysis Science and Technology, 2016, 6, 694-697. | 4.1 | 20 |
| 86 | 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 |
| 87 | Valorisation of Glycerol to Fine Chemicals and Fuels. Advances in Chemical and Materials Engineering Book Series, 2016, , 352-384. | 0.3 | 1 |
| 88 | AuPt Alloy on TiO<sub>2</sub>: A Selective and Durable Catalyst for <scp>l</scp>â€Sorbose Oxidation to 2â€Ketoâ€Gulonic Acid. ChemSusChem, 2015, 8, 4189-4194. | 6.8 | 14 |
| 89 | 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 |
| 90 | Identification of Active and Spectator Sn Sites in Snâ€Î² Following Solidâ€State Stannation, and Consequences for Lewis Acid Catalysis. ChemCatChem, 2015, 7, 3322-3331. | 3.7 | 83 |

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| 91 | MAXNET Energy â€“ Focusing Research in Chemical Energy Conversion on the Electrocatlytic Oxygen Evolution. Green, 2015, 5, . | 0.4 | 3 |
| 92 | Biomimetic Oxidation with Feâ€ZSMâ€5 and H<sub>2</sub>O<sub>2</sub>? Identification of an Active, Extraâ€Framework Binuclear Core and an Fe<sup>III</sup>ï£¿OOH Intermediate with Resonanceâ€Enhanced Raman Spectroscopy. ChemCatChem, 2015, 7, 434-440. | 3.7 | 49 |
| 93 | Methyl Formate Formation from Methanol Oxidation Using Supported Goldâ€“Palladium Nanoparticles. ACS Catalysis, 2015, 5, 637-644. | 11.2 | 78 |
| 94 | Photocatalytic hydrogen production by reforming of methanol using Au/TiO<sub>2</sub>, Ag/TiO<sub>2</sub> and Au-Ag/TiO<sub>2</sub> catalysts. Journal of Lithic Studies, 2015, 1, 35-43. | 0.5 | 15 |
| 95 | Tailoring Gold Nanoparticle Characteristics and the Impact on Aqueous-Phase Oxidation of Glycerol. ACS Catalysis, 2015, 5, 4377-4384. | 11.2 | 45 |
| 96 | Glycerol Oxidation Using Gold-Containing Catalysts. Accounts of Chemical Research, 2015, 48, 1403-1412. | 15.6 | 265 |
| 97 | Tailoring the selectivity of glycerol oxidation by tuning the acidâ€“base properties of Au catalysts. Catalysis Science and Technology, 2015, 5, 1126-1132. | 4.1 | 78 |
| 98 | Supported Metal Nanoparticles in Liquid-Phase Oxidation Reactions. , 2014, , 631-678. | | 3 |
| 99 | Optimised photocatalytic hydrogen production using coreâ€“shell AuPd promoters with controlled shell thickness. Physical Chemistry Chemical Physics, 2014, 16, 26638-26644. | 2.8 | 17 |
| 100 | Comparison of Au and TiO2 based catalysts for the synthesis of chalcogenide nanowires. Applied Physics Letters, 2014, 104, 253103. | 3.3 | 8 |
| 101 | Assessing and Controlling the Size, Morphology and Composition of Supported Bimetallic Catalyst Nanoparticles. Microscopy and Microanalysis, 2014, 20, 74-75. | 0.4 | 1 |
| 102 | Hydrogen production by photoreforming of biofuels using Au, Pd and Auâ€“Pd/TiO2 photocatalysts. Journal of Catalysis, 2014, 310, 10-15. | 6.2 | 112 |
| 103 | Designer Titania-Supported Auâ€“Pd Nanoparticles for Efficient Photocatalytic Hydrogen Production. ACS Nano, 2014, 8, 3490-3497. | 14.6 | 279 |
| 104 | Oxidation of Benzyl Alcohol and Carbon Monoxide Using Gold Nanoparticles Supported on MnO<sub>2</sub> Nanowire Microspheres. Chemistry - A European Journal, 2014, 20, 1701-1710. | 3.3 | 40 |
| 105 | Molybdenum Oxide on Fe<sub>2</sub>O<sub>3</sub> Coreâ€“Shell Catalysts: Probing the Nature of the Structural Motifs Responsible for Methanol Oxidation Catalysis. ACS Catalysis, 2014, 4, 243-250. | 11.2 | 85 |
| 106 | High Activity Redox Catalysts Synthesized by Chemical Vapor Impregnation. ACS Nano, 2014, 8, 957-969. | 14.6 | 25 |
| 107 | The Nature of the Molybdenum Surface in Iron Molybdate. The Active Phase in Selective Methanol Oxidation. Journal of Physical Chemistry C, 2014, 118, 26155-26161. | 3.1 | 56 |
| 108 | Well-controlled metal co-catalysts synthesised by chemical vapour impregnation for photocatalytic hydrogen production and water purification. Dalton Transactions, 2014, 43, 14976-14982. | 3.3 | 9 |

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| 109 | Light alkane oxidation using catalysts prepared by chemical vapour impregnation: tuning alcohol selectivity through catalyst pre-treatment. Chemical Science, 2014, 5, 3603-3616. | 7.4 | 45 |
| 110 | Selective photocatalytic oxidation of benzene for the synthesis of phenol using engineered Auâ€“Pd alloy nanoparticles supported on titanium dioxide. Chemical Communications, 2014, 50, 12612-12614. | 4.1 | 42 |
| 111 | Catalysis using colloidal-supported gold-based nanoparticles. Applied Petrochemical Research, 2014, 4, 85-94. | 1.3 | 13 |
| 112 | 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 |
| 113 | Systematic Study of the Oxidation of Methane Using Supported Gold Palladium Nanoparticles Under Mild Aqueous Conditions. Topics in Catalysis, 2013, 56, 1843-1857. | 2.8 | 35 |
| 114 | Selective catalytic oxidation using supported goldâ€“platinum and palladiumâ€“platinum nanoalloys prepared by sol-immobilisation. Physical Chemistry Chemical Physics, 2013, 15, 10636. | 2.8 | 37 |
| 115 | Effect of heat treatment on Auâ€“Pd catalysts synthesized by sol immobilisation for the direct synthesis of hydrogen peroxide and benzyl alcoholoxidation. Catalysis Science and Technology, 2013, 3, 308-317. | 4.1 | 64 |
| 116 | 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 |
| 117 | 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 |
| 118 | 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 |
| 119 | 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 |
| 120 | Aqueous-Phase Methane Oxidation over Fe-MFI Zeolites; Promotion through Isomorphous Framework Substitution. ACS Catalysis, 2013, 3, 1835-1844. | 11.2 | 99 |
| 121 | Some recent advances in gold-based catalysis facilitated by aberration corrected analytical electron microscopy. Journal of Physics: Conference Series, 2012, 371, 012028. | 0.4 | 4 |
| 122 | Selective oxidation of 5-hydroxymethyl-2-furfural over TiO2-supported goldâ€“copper catalysts prepared from preformed nanoparticles: Effect of Au/Cu ratio. Catalysis Today, 2012, 195, 120-126. | 4.4 | 124 |
| 123 | The Selective Oxidation of 1,2-Propanediol by Supported Gold-Based Nanoparticulate Catalysts. Topics in Catalysis, 2012, 55, 1283-1288. | 2.8 | 33 |
| 124 | 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 |
| 125 | Gold catalysis: helping create a sustainable future. Applied Petrochemical Research, 2012, 2, 7-14. | 1.3 | 7 |
| 126 | Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. Catalysis Science and Technology, 2012, 2, 97-104. | 4.1 | 32 |

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| 127 | Gold, palladium and goldâ€“palladium supported nanoparticles for the synthesis of glycerol carbonate from glycerol and urea. Catalysis Science and Technology, 2012, 2, 1914. | 4.1 | 52 |
| 128 | Promotion of Phenol Photodecomposition over TiO<sub>2</sub> Using Au, Pd, and Auâ€“Pd Nanoparticles. ACS Nano, 2012, 6, 6284-6292. | 14.6 | 252 |
| 129 | Designing bimetallic catalysts for a green and sustainable future. Chemical Society Reviews, 2012, 41, 8099. | 38.1 | 971 |
| 130 | Selective liquid phase oxidation with supported metal nanoparticles. Chemical Science, 2012, 3, 20-44. | 7.4 | 224 |
| 131 | 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 |
| 132 | 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 |
| 133 | Methane oxidation using silica-supported N-bridged di-iron phthalocyanine catalyst. Journal of Catalysis, 2012, 290, 177-185. | 6.2 | 30 |
| 134 | Oxidation of Benzyl Alcohol by using Gold Nanoparticles Supported on Ceria Foam. ChemSusChem, 2012, 5, 125-131. | 6.8 | 56 |
| 135 | Selective oxidation of 5-hydroxymethyl-2-furfural using supported goldâ€“copper nanoparticles. Green Chemistry, 2011, 13, 2091. | 9.0 | 242 |
| 136 | Synthesis of glycerol carbonate from glycerol and urea with gold-based catalysts. Dalton Transactions, 2011, 40, 3927. | 3.3 | 125 |
| 137 | Aberration corrected analytical electron microscopy studies of sol-immobilized Au + Pd, Au{Pd} and Pd{Au} catalysts used for benzyl alcohol oxidation and hydrogen peroxide production. Faraday Discussions, 2011, 152, 63. | 3.2 | 115 |
| 138 | Facile removal of stabilizer-ligands from supported gold nanoparticles. Nature Chemistry, 2011, 3, 551-556. | 13.6 | 517 |
| 139 | Solvent-Free Oxidation of Primary Carbon-Hydrogen Bonds in Toluene Using Au-Pd Alloy Nanoparticles. Science, 2011, 331, 195-199. | 12.6 | 708 |
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| 141 | Oxidation of benzyl alcohol using supported goldâ€“palladium nanoparticles. Catalysis Today, 2011, 164, 315-319. | 4.4 | 70 |
| 142 | The mechanism of surface doping in vanadyl pyrophosphate, catalyst for n-butane oxidation to maleic anhydride: The role of Au promoter. Catalysis Today, 2011, 169, 200-206. | 4.4 | 28 |
| 143 | Reactivity studies of Auâ€“Pd supported nanoparticles for catalytic applications. Applied Catalysis A: General, 2011, 391, 400-406. | 4.3 | 62 |
| 144 | Pd on carbon nanotubes for liquid phase alcohol oxidation. Catalysis Today, 2010, 150, 8-15. | 4.4 | 142 |

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| 145 | Selective Oxidation using Supported Gold and Gold Palladium Nanoparticles prepared by Sol-Immobilisation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2034-2034. | 1.2 | 1 |
| 146 | Direct Synthesis of Hydrogen Peroxide and Benzyl Alcohol Oxidation Using Auâ^'Pd Catalysts Prepared by Sol Immobilization. Langmuir, 2010, 26, 16568-16577. | 3.5 | 201 |
| 147 | Oxidation of Glycerol to Glycolate by using Supported Gold and Palladium Nanoparticles. ChemSusChem, 2009, 2, 1145-1151. | 6.8 | 78 |
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