David J Morgan

List of Publications by Citations

240 papers	8,405 citations	50 h-index	80 g-index
256 ext. papers	10,342 ext. citations	7.2 avg, IF	6.54 L-index

#	Paper	IF	Citations
240	Resolving ruthenium: XPS studies of common ruthenium materials. *Surface and Interface Analysis*, **2015**, 47, 1072-1079	1.5	425
239	Palladium-tin catalysts for the direct synthesis of H□□ with high selectivity. *Science*, **2016**, 351, 965-8	33.3	314
238	Aqueous Au-Pd colloids catalyze selective CH oxidation to CHOH with O under mild conditions. *Science*, **2017**, 358, 223-227	33.3	299
237	Identification of single-site gold catalysis in acetylene hydrochlorination. *Science*, **2017**, 355, 1399-1403	33.3	285
236	Pd/ZnO catalysts for direct CO2 hydrogenation to methanol. *Journal of Catalysis*, **2016**, 343, 133-146	7.3	248
235	New evidence for the inverse dependence of mechanical and chemical effects on the frequency of ultrasound. *Ultrasonics Sonochemistry*, **2011**, 18, 226-30	8.9	203
234	Polymer Blend Solar Cells Based on a High-Mobility Naphthalenediimide-Based Polymer Acceptor: Device Physics, Photophysics and Morphology. *Advanced Energy Materials*, **2011**, 1, 230-240	21.8	190
233	Modified zeolite ZSM-5 for the methanol to aromatics reaction. *Catalysis Science and Technology*, **2012**, 2, 105-112	5.5	149
232	The X-ray photoelectron spectra of Ir, IrO2 and IrCl3 revisited. *Surface and Interface Analysis*, **2017**, 49, 794-799	1.5	146
231	Solvent free liquid phase oxidation of benzyl alcohol using Au supported catalysts prepared using a sol immobilization technique. *Catalysis Today*, **2007**, 122, 317-324	5.3	141
230	Au-Pd supported nanocrystals prepared by a sol immobilisation technique as catalysts for selective chemical synthesis. *Physical Chemistry Chemical Physics*, **2008**, 10, 1921-30	3.6	130
229	Aqua regia activated Au/C catalysts for the hydrochlorination of acetylene. *Journal of Catalysis*, **2013**, 297, 128-136	7.3	123
228	Solvent-free oxidation of benzyl alcohol using Au-Pd catalysts prepared by sol immobilisation. *Physical Chemistry Chemical Physics*, **2009**, 11, 5142-53	3.6	119
227	Drug-polymer intermolecular interactions in hot-melt extruded solid dispersions. *International Journal of Pharmaceutics*, **2013**, 443, 199-208	6.5	115
226	Synthesis of stable ligand-free gold-palladium nanoparticles using a simple excess anion method. *ACS Nano*, **2012**, 6, 6600-13	16.7	114
225	Selective oxidation of 5-hydroxymethyl-2-furfural over TiO2-supported gold□copper catalysts prepared from preformed nanoparticles: Effect of Au/Cu ratio. *Catalysis Today*, **2012**, 195, 120-126	5.3	106
224	Stable amorphous georgeite as a precursor to a high-activity catalyst. *Nature*, **2016**, 531, 83-7	50.4	100

223	Enhanced photocatalytic activity under visible light in N-doped TiO2 thin films produced by APCVD preparations using t-butylamine as a nitrogen source and their potential for antibacterial films. *Journal of Photochemistry and Photobiology A: Chemistry*, **2009**, 207, 244-253	4.7	100
222	White light induced photocatalytic activity of sulfur-doped TiO2 thin films and their potential for antibacterial application. *Journal of Materials Chemistry*, **2009**, 19, 8747		99
221	Tuning of catalytic sites in Pt/TiO2 catalysts for the chemoselective hydrogenation of 3-nitrostyrene. *Nature Catalysis*, **2019**, 2, 873-881	36.5	91
220	Greener synthesis of dimethyl carbonate using a novel ceria□zirconia oxide/graphene nanocomposite catalyst. *Applied Catalysis B: Environmental*, **2015**, 168-169, 353-362	21.8	89
219	Modifications of the metal and support during the deactivation and regeneration of Au/C catalysts for the hydrochlorination of acetylene. *Catalysis Science and Technology*, **2013**, 3, 128-134	5.5	87
218	The direct synthesis of hydrogen peroxide using platinum-promoted gold-palladium catalysts. *Angewandte Chemie - International Edition*, **2014**, 53, 2381-4	16.4	86
217	Pd□Ru/TiO2 catalyst □an active and selective catalyst for furfural hydrogenation. *Catalysis Science and Technology*, **2016**, 6, 234-242	5.5	85
216	Au-Pd nanoalloys supported on Mg-Al mixed metal oxides as a multifunctional catalyst for solvent-free oxidation of benzyl alcohol. *Dalton Transactions*, **2013**, 42, 14498-508	4.3	83
215	A single rapid route for the synthesis of reduced graphene oxide with antibacterial activities. *RSC Advances*, **2014**, 4, 14858	3.7	82
214	Systematic and collaborative approach to problem solving using X-ray photoelectron spectroscopy. *Applied Surface Science Advances*, **2021**, 5, 100112	2.6	82
213	Molybdenum Oxide on Fe2O3 Core□Shell Catalysts: Probing the Nature of the Structural Motifs Responsible for Methanol Oxidation Catalysis. *ACS Catalysis*, **2014**, 4, 243-250	13.1	73
212	Ruthenium Nanoparticles Supported on Carbon: An Active Catalyst for the Hydrogenation of Lactic Acid to 1,2-Propanediol. *ACS Catalysis*, **2015**, 5, 5047-5059	13.1	72
211	Methyl Formate Formation from Methanol Oxidation Using Supported Gold□Palladium Nanoparticles. *ACS Catalysis*, **2015**, 5, 637-644	13.1	69
210	Selective Oxidation of Methane to Methanol Using Supported AuPd Catalysts Prepared by Stabilizer-Free Sol-Immobilization. *ACS Catalysis*, **2018**, 8, 2567-2576	13.1	68
209	Characterization of Au3+ Species in Au/C Catalysts for the Hydrochlorination Reaction of Acetylene. *Catalysis Letters*, **2014**, 144, 1-8	2.8	68
208	Calixarene Assisted Rapid Synthesis of Silver-Graphene Nanocomposites with Enhanced Antibacterial Activity. *ACS Applied Materials & Interfaces*, **2016**, 8, 19038-46	9.5	68
207	Photocatalytic activities of N-doped nano-titanias and titanium nitride. *Journal of the European Ceramic Society*, **2009**, 29, 2343-2353	6	67
206	Influence of the preparation method on the activity of ceria zirconia mixed oxides for naphthalene total oxidation. *Applied Catalysis B: Environmental*, **2013**, 132-133, 98-106	21.8	62

205	Base-free oxidation of glycerol using titania-supported trimetallic AuPdPt nanoparticles. *ChemSusChem*, **2014**, 7, 1326-34	8.3	61
204	Synthesis and characterization of doped nano-sized ceria–zirconia solid solutions. *Applied Catalysis B: Environmental*, **2009**, 90, 405-415	21.8	61
203	Synergy and Anti-Synergy between Palladium and Gold in Nanoparticles Dispersed on a Reducible Support. *ACS Catalysis*, **2016**, 6, 6623-6633	13.1	59
202	Base-free glucose oxidation using air with supported gold catalysts. *Green Chemistry*, **2014**, 16, 3132-3141	10	59
201	PdZn catalysts for CO hydrogenation to methanol using chemical vapour impregnation (CVI). *Faraday Discussions*, **2017**, 197, 309-324	3.6	58
200	Investigation of the active species in the carbon-supported gold catalyst for acetylene hydrochlorination. *Catalysis Science and Technology*, **2016**, 6, 5144-5153	5.5	56
199	Effect of heat treatment on AuPd catalysts synthesized by sol immobilisation for the direct synthesis of hydrogen peroxide and benzyl alcohol oxidation. *Catalysis Science and Technology*, **2013**, 3, 308-317	5.5	55
198	Identification of the catalytically active component of Cu–ZrO catalyst for the hydrogenation of levulinic acid to γ-valerolactone. *Green Chemistry*, **2017**, 19, 225-236	10	53
197	XPS guide: Charge neutralization and binding energy referencing for insulating samples. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2020**, 38, 031204	2.9	52
196	Elucidating the Role of CO2 in the Soft Oxidative Dehydrogenation of Propane over Ceria-Based Catalysts. *ACS Catalysis*, **2018**, 8, 3454-3468	13.1	52
195	Visible light photocatalysts: N-doped TiO2 by sol–gel, enhanced with surface bound silver nanoparticle islands. *Journal of Materials Chemistry*, **2011**, 21, 11854		52
194	Oxygen Reduction at Carbon-Supported Lanthanides: The Role of the B-Site. *ChemElectroChem*, **2016**, 3, 283-291	4.3	51
193	The selective oxidation of 1,2-propanediol to lactic acid using mild conditions and gold-based nanoparticulate catalysts. *Catalysis Today*, **2013**, 203, 139-145	5.3	51
192	Study of the magnetite to maghemite transition using microwave permittivity and permeability measurements. *Journal of Physics Condensed Matter*, **2016**, 28, 106002	1.8	50
191	The functionalisation of graphite surfaces with nitric acid: Identification of functional groups and their effects on gold deposition. *Journal of Catalysis*, **2015**, 323, 10-18	7.3	50
190	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	3.8	49
189	Conversion of furfuryl alcohol into 2-methylfuran at room temperature using Pd/TiO2 catalyst. *Catalysis Science and Technology*, **2014**, 4, 2280-2286	5.5	49
188	Efficient Elimination of Chlorinated Organics on a Phosphoric Acid Modified CeO Catalyst: A Hydrolytic Destruction Route. *Environmental Science & Technology*, **2019**, 53, 12697-12705	10.3	48

187	Facile synthesis of precious-metal single-site catalysts using organic solvents. *Nature Chemistry*, **2020**, 12, 560-567	17.6	46
186	Base-free oxidation of glucose to gluconic acid using supported gold catalysts. *Catalysis Science and Technology*, **2016**, 6, 107-117	5.5	42
185	Low temperature selective oxidation of methane to methanol using titania supported gold palladium copper catalysts. *Catalysis Science and Technology*, **2016**, 6, 3410-3418	5.5	42
184	Three-minute synthesis of sp nanocrystalline carbon dots as non-toxic fluorescent platforms for intracellular delivery. *Nanoscale*, **2016**, 8, 18630-18634	7.7	40
183	Nanoscale DNA tetrahedra improve biomolecular recognition on patterned surfaces. *Small*, **2012**, 8, 89-97	11	40
182	The Effects of Inorganic Additives on the Nucleation and Growth Kinetics of Calcium Sulfate Dihydrate Crystals. *Crystal Growth and Design*, **2017**, 17, 582-589	3.5	38
181	Molecular modeling as a predictive tool for the development of solid dispersions. *Molecular Pharmaceutics*, **2015**, 12, 1040-9	5.6	38
180	Polymers of intrinsic microporosity in electrocatalysis: Novel pore rigidity effects and lamella palladium growth. *Electrochimica Acta*, **2014**, 128, 3-9	6.7	37
179	Activation and Deactivation of Gold/Ceria-Zirconia in the Low-Temperature Water-Gas Shift Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 16037-16041	16.4	36
178	The importance of metal reducibility for the photo-reforming of methanol on transition metal-TiO2 photocatalysts and the use of non-precious metals. *International Journal of Hydrogen Energy*, **2015**, 40, 1465-1471	6.7	36
177	Rapid synthesis of graphene quantum dots using a continuous hydrothermal flow synthesis approach. *RSC Advances*, **2017**, 7, 14716-14720	3.7	34
176	Solvent-free aerobic oxidation of alcohols using supported gold palladium nanoalloys prepared by a modified impregnation method. *Catalysis Science and Technology*, **2014**, 4, 3120-3128	5.5	34
175	Liquid phase oxidation of cyclohexane using bimetallic AuPd/MgO catalysts. *Applied Catalysis A: General*, **2015**, 504, 373-380	5.1	33
174	Direct Synthesis of Hydrogen Peroxide over AuPd Supported Nanoparticles under Ambient Conditions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 12623-12631	3.9	33
173	Impact of Nanoparticle-Support Interactions in CoO/AlO Catalysts for the Preferential Oxidation of Carbon Monoxide. *ACS Catalysis*, **2019**, 9, 7166-7178	13.1	33
172	Unprecedented Structural Sensitivity toward Average Terrace Width: Nafion Adsorption at Pt{hkl} Electrodes. *Journal of Physical Chemistry C*, **2011**, 115, 17020-17027	3.8	33
171	Interaction of CO2 laser-modified nylon with osteoblast cells in relation to wettability. *Materials Science and Engineering C*, **2009**, 29, 2514-2524	8.3	32
170	Greener synthesis of dimethyl carbonate using a novel tin-zirconia/graphene nanocomposite catalyst. *Applied Catalysis B: Environmental*, **2018**, 226, 451-462	21.8	31

169	Practical Three-Minute Synthesis of Acid-Coated Fluorescent Carbon Dots with Tuneable Core Structure. *Scientific Reports*, **2018**, 8, 12234	4.9	31
168	Thick, Adherent Diamond Films on AlN with Low Thermal Barrier Resistance. *ACS Applied Materials & Interfaces*, **2019**, 11, 40826-40834	9.5	31
167	Microwave synthesis of ZnIn2S4/WS2 composites for photocatalytic hydrogen production and hexavalent chromium reduction. *Catalysis Science and Technology*, **2019**, 9, 5698-5711	5.5	30
166	The Direct Synthesis of H2O2 Using TS-1 Supported Catalysts. *ChemCatChem*, **2019**, 11, 1673-1680	5.2	30
165	Continuous hydrothermal flow synthesis of blue-luminescent, excitation-independent nitrogen-doped carbon quantum dots as nanosensors. *Journal of Materials Chemistry A*, **2020**, 8, 3270-3279	12	30
164	The effect of common groundwater anions on the aqueous corrosion of zero-valent iron nanoparticles and associated removal of aqueous copper and zinc. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1166-1173	6.8	29
163	Cinnamaldehyde hydrogenation using Au–Pd catalysts prepared by sol immobilisation. *Catalysis Science and Technology*, **2018**, 8, 1677-1685	5.5	29
162	The effect of acid treatment on the surface chemistry and topography of graphite. *Carbon*, **2013**, 61, 124-133	10.4	29
161	Explicit Detection of the Mechanism of Platinum Nanoparticle Shape Control by Polyvinylpyrrolidone. *Journal of Physical Chemistry C*, **2016**, 120, 7532-7542	3.8	29
160	Hydrogenolysis of Glycerol to Monoalcohols over Supported Mo and W Catalysts. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5752-5760	8.3	29
159	Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. *Catalysis Science and Technology*, **2012**, 2, 97-104	5.5	28
158	The reactive chemisorption of alkyl iodides at Cu(110) and Ag(111) surfaces: a combined STM and XPS study. *Journal of Physical Chemistry B*, **2005**, 109, 9556-66	3.4	28
157	The conversion of levulinic acid into γ-valerolactone using Cu–ZrO2 catalysts. *Catalysis Science and Technology*, **2016**, 6, 6022-6030	5.5	28
156	Fischer Tropsch synthesis using cobalt based carbon catalysts. *Catalysis Today*, **2016**, 275, 35-39	5.3	27
155	The effect of grafting zirconia and ceria onto alumina as a support for silicotungstic acid for the catalytic dehydration of glycerol to acrolein. *Chemistry - A European Journal*, **2014**, 20, 1743-52	4.8	27
154	Greener synthesis of propylene carbonate using graphene-inorganic nanocomposite catalysts. *Catalysis Today*, **2015**, 256, 347-357	5.3	27
153	Direct synthesis of hydrogen peroxide using Au–Pd supported and ion-exchanged heteropolyacids precipitated with various metal ions. *Catalysis Today*, **2015**, 248, 10-17	5.3	26
152	Novel cobalt zinc oxide Fischer–Tropsch catalysts synthesised using supercritical anti-solvent precipitation. *Catalysis Science and Technology*, **2014**, 4, 1970-1978	5.5	26

151	CO bond cleavage on supported nano-gold during low temperature oxidation. *Physical Chemistry Chemical Physics*, **2011**, 13, 2528-38	3.6	26
150	Enhanced Selective Oxidation of Benzyl Alcohol via In Situ H2O2 Production over Supported Pd-Based Catalysts. *ACS Catalysis*, **2021**, 11, 2701-2714	13.1	26
149	Co3O4 morphology in the preferential oxidation of CO. *Catalysis Science and Technology*, **2017**, 7, 4806-4817	5.5	25
148	Mechanochemical preparation of ceria-zirconia catalysts for the total oxidation of propane and naphthalene Volatile Organic Compounds. *Applied Catalysis B: Environmental*, **2019**, 253, 331-340	21.8	25
147	Electronic and surface properties of Ga-doped In2O3 ceramics. *Applied Surface Science*, **2015**, 349, 970-982	6.7	25
146	Selective oxidation of n-butanol using gold-palladium supported nanoparticles under base-free conditions. *ChemSusChem*, **2015**, 8, 473-80	8.3	25
145	Selective Calixarene-Directed Synthesis of MXene Plates, Crumpled Sheets, Spheres, and Scrolls. *Chemistry - A European Journal*, **2017**, 23, 8128-8133	4.8	24
144	Enhanced visible-light-driven photocatalytic H2 production and Cr(VI) reduction of a ZnIn2S4/MoS2 heterojunction synthesized by the biomolecule-assisted microwave heating method. *Catalysis Science and Technology*, **2020**, 10, 2838-2854	5.5	24
143	Mechanism of synergistic interactions and its influence on drug release from extended release matrices manufactured using binary mixtures of polyethylene oxide and sodium carboxymethylcellulose. *Colloids and Surfaces B: Biointerfaces*, **2013**, 104, 174-80	6	24
142	A hybrid strain and thermal energy harvester based on an infra-red sensitive Er modified poly(vinylidene fluoride) ferroelectret structure. *Scientific Reports*, **2017**, 7, 16703	4.9	24
141	Total oxidation of propane in vanadia-promoted platinum-alumina catalysts: Influence of the order of impregnation. *Catalysis Today*, **2015**, 254, 12-20	5.3	23
140	Effectiveness of Green Additives vs Poly(acrylic acid) in Inhibiting Calcium Sulfate Dihydrate Crystallization. *Industrial & Engineering Chemistry Research*, **2019**, 58, 1561-1569	3.9	23
139	Ceria–Zirconia Mixed Metal Oxides Prepared via Mechanochemical Grinding of Carbonates for the Total Oxidation of Propane and Naphthalene. *Catalysts*, **2019**, 9, 475	4	21
138	Low temperature catalytic partial oxidation of ethane to oxygenates by Fe- and Cu-SSM-5 in a continuous flow reactor. *Journal of Catalysis*, **2015**, 330, 84-92	7.3	21
137	Supercritical antisolvent precipitation of TiO2 with tailored anatase/rutile composition for applications in redox catalysis and photocatalysis. *Applied Catalysis A: General*, **2015**, 504, 62-73	5.1	21
136	Redox agent enhanced chemical mechanical polishing of thin film diamond. *Carbon*, **2018**, 130, 25-30	10.4	21
135	Recent advances in dual mode charge compensation for XPS analysis. *Surface and Interface Analysis*, **2019**, 51, 925-933	1.5	21
134	An Investigation of the Effect of the Addition of Tin to 5 %Pd/TiO2 for the Hydrogenation of Furfuryl Alcohol. *ChemCatChem*, **2015**, 7, 2122-2129	5.2	21

133	Efficient Continuous Hydrothermal Flow Synthesis of Carbon Quantum Dots from a Targeted Biomass Precursor for On□Off Metal Ions Nanosensing. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 2559-2569	8.3	21
132	Surface state modulation through wet chemical treatment as a route to controlling the electrical properties of ZnO nanowire arrays investigated with XPS. *Applied Surface Science*, **2014**, 320, 664-669	6.7	20
131	Continuous hydrothermal flow synthesis of S-functionalised carbon quantum dots for enhanced oil recovery. *Chemical Engineering Journal*, **2021**, 405, 126631	14.7	20
130	The hydrogenation of levulinic acid to □valerolactone over Cu□rO2 catalysts prepared by a pH-gradient methodology. *Journal of Energy Chemistry*, **2019**, 36, 15-24	12	19
129	Frequency effects on the surface coverage of nitrophenyl films ultrasonically grafted onto indium tin oxide. *Langmuir*, **2011**, 27, 1853-8	4	19
128	Comments on the XPS Analysis of Carbon Materials. *Journal of Carbon Research*, **2021**, 7, 51	3.3	19
127	The effects of particle grinding on the burnout and surface chemistry of coals in a drop tube furnace. *Fuel*, **2015**, 160, 413-423	7.1	18
126	The direct synthesis of hydrogen peroxide from H2 and O2 using Pd□a and Pd□h catalysts. *Catalysis Science and Technology*, **2020**, 10, 1925-1932	5.5	18
125	Band gap engineering of In2O3 by alloying with Tl2O3. *Applied Physics Letters*, **2013**, 103, 262108	3.4	18
124	Highly selective PdZn/ZnO catalysts for the methanol steam reforming reaction. *Catalysis Science and Technology*, **2018**, 8, 5848-5857	5.5	18
123	Selective deposition of palladium onto supported nickel □bimetallic catalysts for the hydrogenation of crotonaldehyde. *Catalysis Science and Technology*, **2013**, 3, 2746	5.5	17
122	Deactivation studies of bimetallic AuPd nanoparticles supported on MgO during selective aerobic oxidation of alcohols. *Applied Catalysis A: General*, **2017**, 546, 58-66	5.1	17
121	Growth of epitaxial Pt1-xPbx alloys by surface limited redox replacement and study of their adsorption properties. *Langmuir*, **2015**, 31, 10904-12	4	17
120	Rutile TiO2□d Photocatalysts for Hydrogen Gas Production from Methanol Reforming. *Topics in Catalysis*, **2015**, 58, 70-76	2.3	17
119	Fabrication and characterization of Ru-doped LiCuFe2O4 nanoparticles and their capacitive and resistive humidity sensor applications. *Journal of Magnetism and Magnetic Materials*, **2019**, 474, 563-569	2.8	17
118	Imaging XPS for industrial applications. *Journal of Electron Spectroscopy and Related Phenomena*, **2019**, 231, 109-117	1.7	17
117	Continuous hydrothermal flow synthesis of graphene quantum dots. *Reaction Chemistry and Engineering*, **2018**, 3, 949-958	4.9	17
116	The Direct Synthesis of H2O2 and Selective Oxidation of Methane to Methanol Using HZSM-5 Supported AuPd Catalysts. *Catalysis Letters*, **2019**, 149, 3066-3075	2.8	16

115	Benzyl alcohol oxidation with Pd-Zn/TiO: computational and experimental studies. *Science and Technology of Advanced Materials*, **2019**, 20, 367-378	7.1	16
114	Selective photothermal killing of cancer cells using LED-activated nucleus targeting fluorescent carbon dots. *Nanoscale Advances*, **2019**, 1, 2840-2846	5.1	16
113	Spectroscopic and atomic force studies of the functionalisation of carbon surfaces: new insights into the role of the surface topography and specific chemical states. *Faraday Discussions*, **2014**, 173, 257-72	3.6	16
112	Metal-organic-framework derived Co-Pd bond is preferred over Fe-Pd for reductive upgrading of furfural to tetrahydrofurfuryl alcohol. *Dalton Transactions*, **2019**, 48, 8791-8802	4.3	15
111	Superconducting Diamond on Silicon Nitride for Device Applications. *Scientific Reports*, **2019**, 9, 2911	4.9	15
110	Molybdenum blue nano-rings: an effective catalyst for the partial oxidation of cyclohexane. *Catalysis Science and Technology*, **2015**, 5, 217-227	5.5	15
109	Enhanced catalyst selectivity in the direct synthesis of H2O2 through Pt incorporation into TiO2 supported AuPd catalysts. *Catalysis Science and Technology*, **2020**, 10, 4635-4644	5.5	15
108	The deposition of metal nanoparticles on carbon surfaces: the role of specific functional groups. *Faraday Discussions*, **2018**, 208, 455-470	3.6	15
107	Selective Hydrogenation of Levulinic Acid Using Ru/C Catalysts Prepared by Sol-Immobilisation. *Topics in Catalysis*, **2018**, 61, 833-843	2.3	15
106	Core-level spectra of powdered tungsten disulfide, WS2. *Surface Science Spectra*, **2018**, 25, 014002	1.2	15
105	Oxidative Esterification of Homologous 1,3-Propanediols. *Catalysis Letters*, **2012**, 142, 1114-1120	2.8	15
104	Highly Active Gold and Gold–Palladium Catalysts Prepared by Colloidal Methods in the Absence of Polymer Stabilizers. *ChemCatChem*, **2017**, 9, 2914-2918	5.2	14
103	Optimised photocatalytic hydrogen production using core-shell AuPd promoters with controlled shell thickness. *Physical Chemistry Chemical Physics*, **2014**, 16, 26638-44	3.6	14
102	An investigation of the effect of carbon support on ruthenium/carbon catalysts for lactic acid and butanone hydrogenation. *Physical Chemistry Chemical Physics*, **2016**, 18, 17259-64	3.6	14
101	Exploring the mechanisms of metal co-catalysts in photocatalytic reduction reactions: Is Ag a good candidate?. *Applied Catalysis A: General*, **2016**, 518, 213-220	5.1	14
100	K-edge X-ray absorption spectroscopy of the ligand environment of single-site Au/C catalysts during acetylene hydrochlorination. *Chemical Science*, **2020**, 11, 7040-7052	9.4	13
99	Tuning graphitic oxide for initiator- and metal-free aerobic epoxidation of linear alkenes. *Nature Communications*, **2016**, 7, 12855	17.4	13
98	Investigating the Influence of Fe Speciation on NO Decomposition Over Fe-ZSM-5 Catalysts. *Topics in Catalysis*, **2018**, 61, 1983-1992	2.3	13

97	Cinnamyl alcohol oxidation using supported bimetallic AuPd nanoparticles: an investigation of autoxidation and catalysis. *Catalysis Science and Technology*, **2018**, 8, 2987-2997	5.5	13
96	Initial Oxygen Incorporation in the Prismatic Surfaces of Troilite FeS. *Journal of Physical Chemistry C* , **2018**, 122, 12810-12818	3.8	13
95	Improving the Selectivity of Photocatalytic NOx Abatement through Improved O2 Reduction Pathways Using Ti0.909W0.091O2Nx Semiconductor Nanoparticles: From Characterization to Photocatalytic Performance. *ACS Catalysis*, **2018**, 8, 6927-6938	13.1	13
94	Characterisation and electrocatalytic activity of PtNi alloys on Pt{1 1 1} electrodes formed using different thermal treatments. *Journal of Electroanalytical Chemistry*, **2014**, 716, 106-111	4.1	13
93	Photocatalytic hydrogen production by reforming of methanol using Au/TiO2, Ag/TiO2 and Au-Ag/TiO2 catalysts **2015**, 1, 35-43		13
92	Effect of Base on the Facile Hydrothermal Preparation of Highly Active IrOx Oxygen Evolution Catalysts. *ACS Applied Energy Materials*, **2020**, 3, 800-809	6.1	13
91	GoldPalladium colloids as catalysts for hydrogen peroxide synthesis, degradation and methane oxidation: effect of the PVP stabiliser. *Catalysis Science and Technology*, **2020**, 10, 5935-5944	5.5	13
90	A residue-free approach to water disinfection using catalytic in situ generation of reactive oxygen species. *Nature Catalysis*,	36.5	13
89	An investigation into bimetallic catalysts for base free oxidation of cellobiose and glucose. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 2246-2253	3.5	12
88	The use of carbon monoxide as a probe molecule in spectroscopic studies for determination of exposed gold sites on TiO2. *Physical Chemistry Chemical Physics*, **2015**, 17, 23236-44	3.6	12
87	How and why do countries differ in their governance and financing-related administrative expenditure in health care? An analysis of OECD countries by health care system typology. *International Journal of Health Planning and Management*, **2018**, 33, e263-e278	2.2	12
86	Sacrificial Carbon Strategy toward Enhancement of Slurry Methanation Activity and Stability over Ni-Zr/SiO2 Catalyst. *Industrial & Engineering Chemistry Research*, **2018**, 57, 4798-4806	3.9	11
85	The Direct Synthesis of Hydrogen Peroxide Using Platinum-Promoted GoldPalladium Catalysts. *Angewandte Chemie*, **2014**, 126, 2413-2416	3.6	11
84	The Low-Temperature Oxidation of Propane by using H2O2 and Fe/ZSM-5 Catalysts: Insights into the Active Site and Enhancement of Catalytic Turnover Frequencies. *ChemCatChem*, **2017**, 9, 642-650	5.2	11
83	Influence of thermal treatment on nanostructured gold model catalysts. *Langmuir*, **2010**, 26, 16261-6	4	11
82	Chemisorption and reaction of phenyl iodide at Cu(1 1 0) surfaces: a combined STM and XPS study. *Surface Science*, **2004**, 555, L138-L142	1.8	11
81	Au-Pd Separation Enhances Bimetallic Catalysis of Alcohol Oxidation.. *Nature*, **2022**,	50.4	11
80	Adsorption of Amorphous Silica Nanoparticles onto Hydroxyapatite Surfaces Differentially Alters Surfaces Properties and Adhesion of Human Osteoblast Cells. *PLoS ONE*, **2016**, 11, e0144780	3.7	11

79	Spectroscopic Investigation of Titania-Supported Gold Nanoparticles Prepared by a Modified Deposition/Precipitation Method for the Oxidation of CO. *ChemCatChem*, **2016**, 8, 2136-2145	5.2	11
78	Fischer Tropsch Synthesis using promoted cobalt-based catalysts. *Catalysis Today*, **2016**, 272, 74-79	5.3	11
77	Lowering the Operating Temperature of Perovskite Catalysts for N2O Decomposition through Control of Preparation Methods. *ACS Catalysis*, **2020**, 10, 5430-5442	13.1	11
76	One pot microwave synthesis of highly stable AuPd@Pd supported core-shell nanoparticles. *Faraday Discussions*, **2018**, 208, 409-425	3.6	10
75	Study of the magnetic Alq3 interface in organic spin-valves. *Applied Surface Science*, **2014**, 313, 850-857	6.7	10
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