David J Morgan

List of Publications by Year in Descending Order

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	Au-Pd Separation Enhances Bimetallic Catalysis of Alcohol Oxidation.. *Nature*, **2022**,	50.4	11
239	Analysis induced reduction of a polyelectrolyte. *Results in Surfaces and Interfaces*, **2022**, 6, 100032	0	1
238	Definition of a new (Doniach-Sunjic-Shirley) peak shape for fitting asymmetric signals applied to reduced graphene oxide/graphene oxide XPS spectra. *Surface and Interface Analysis*, **2022**, 54, 67	1.5	5
237	Impact of the Experimental Parameters on Catalytic Activity When Preparing Polymer Protected Bimetallic Nanoparticle Catalysts on Activated Carbon.. *ACS Catalysis*, **2022**, 12, 4440-4454	13.1	0
236	Highly efficient catalytic production of oximes from ketones using in situ-generated HO.. *Science*, **2022**, 376, 615-620	33.3	6
235	The Influence of Precursor on the Preparation of CeO2 Catalysts for the Total Oxidation of the Volatile Organic Compound Propane. *Catalysts*, **2021**, 11, 1461	4	0
234	The degradation of phenol via in situ H2O2 production over supported Pd-based catalysts. *Catalysis Science and Technology*, **2021**, 11, 7866-7874	5.5	3
233	In-situ continuous hydrothermal synthesis of TiO2 nanoparticles on conductive N-doped MXene nanosheets for binder-free Li-ion battery anodes. *Chemical Engineering Journal*, **2021**, 430, 132976	14.7	9
232	Biofunctionalisation of gallium arsenide with neutravidin. *Journal of Colloid and Interface Science*, **2021**, 608, 2399-2399	9.3	0
231	Experimental and Theoretical Study of the Electronic Structures of Lanthanide Indium Perovskites LnInO. *Journal of Physical Chemistry C*, **2021**, 125, 6387-6400	3.8	3
230	Core-level reference spectra for bulk graphitic carbon nitride (g-C3N4). *Surface Science Spectra*, **2021**, 28, 014007	1.2	0
229	Comments on the XPS Analysis of Carbon Materials. *Journal of Carbon Research*, **2021**, 7, 51	3.3	19
228	The Influence of Reaction Conditions on the Oxidation of Cyclohexane via the In-Situ Production of H2O2. *Catalysis Letters*, **2021**, 151, 164-171	2.8	9
227	The interaction of CO with a copper(ii) chloride oxy-chlorination catalyst. *Faraday Discussions*, **2021**, 229, 318-340	3.6	
226	Continuous hydrothermal flow synthesis of S-functionalised carbon quantum dots for enhanced oil recovery. *Chemical Engineering Journal*, **2021**, 405, 126631	14.7	20
225	Supported iridium catalysts for the total oxidation of short chain alkanes and their mixtures: Influence of the support. *Chemical Engineering Journal*, **2021**, 417, 127999	14.7	5
224	Controlling product selectivity with nanoparticle composition in tandem chemo-biocatalytic styrene oxidation. *Green Chemistry*, **2021**, 23, 4170-4180	10	

223	Coordinately unsaturated O2cTi5cO2c sites promote the reactivity of Pt/TiO2 catalysts in the solvent-free oxidation of n-octanol. *Catalysis Science and Technology*, **2021**, 11, 4898-4910	5.5	4
222	The role of surface oxidation and Fe-Ni synergy in Fe-Ni-S catalysts for CO hydrogenation. *Faraday Discussions*, **2021**, 230, 30-51	3.6	3
221	Ambient base-free glycerol oxidation over bimetallic PdFe/SiO2 by in situ generated active oxygen species. *Research on Chemical Intermediates*, **2021**, 47, 303-324	2.8	5
220	The Selective Oxidation of Cyclohexane via In-situ H2O2 Production Over Supported Pd-based Catalysts. *Catalysis Letters*, **2021**, 151, 2762-2774	2.8	6
219	A surface oxidised FeS catalyst for the liquid phase hydrogenation of CO2. *Catalysis Science and Technology*, **2021**, 11, 779-784	5.5	6
218	Efficient Continuous Hydrothermal Flow Synthesis of Carbon Quantum Dots from a Targeted Biomass Precursor for OnOff Metal Ions Nanosensing. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 2559-2569	8.3	21
217	Controlling the Selectivity of Supported Ru Nanoparticles During Glycerol Hydrogenolysis: CO vs CC Cleavage. *ChemCatChem*, **2021**, 13, 1595-1606	5.2	
216	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
215	Pulsed laser polishing of selective laser melted aluminium alloy parts. *Applied Surface Science*, **2021**, 558, 149887	6.7	9
214	Systematic and collaborative approach to problem solving using X-ray photoelectron spectroscopy. *Applied Surface Science Advances*, **2021**, 5, 100112	2.6	82
213	Improving the performance of Pd based catalysts for the direct synthesis of hydrogen peroxide via acid incorporation during catalyst synthesis. *Catalysis Communications*, **2021**, 161, 106358	3.2	1
212	Towards a reliable assessment of charging effects during surface analysis: Accurate spectral shapes of ZrO2 and Pd/ZrO2 via X-ray Photoelectron Spectroscopy. *Applied Surface Science*, **2021**, 566, 150728	6.7	2
211	Ambient Temperature CO Oxidation Using PalladiumPlatinum Bimetallic Catalysts Supported on Tin Oxide/Alumina. *Catalysts*, **2020**, 10, 1223	4	1
210	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
209	Dielectric Spectroscopy of Hydrogen-Treated Hexagonal Boron Nitride Ceramics. *ACS Applied Electronic Materials*, **2020**, 2, 1193-1202	4	2
208	Glycerol Selective Oxidation to Lactic Acid over AuPt Nanoparticles; Enhancing Reaction Selectivity and Understanding by Support Modification. *ChemCatChem*, **2020**, 12, 3097-3107	5.2	9
207	Practical guide for x-ray photoelectron spectroscopy: Applications to the study of catalysts. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2020**, 38, 033204	2.9	9
206	Ammonia Decomposition Enhancement by Cs-Promoted Fe/Al2O3 Catalysts. *Catalysis Letters*, **2020**, 150, 3369-3376	2.8	5

205	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
204	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
203	Inhibiting the Dealkylation of Basic Arenes during n-Alkane Direct Aromatization Reactions and Understanding the C6 Ring Closure Mechanism. *ACS Catalysis*, **2020**, 10, 8428-8443	13.1	9
202	The direct synthesis of hydrogen peroxide from H2 and O2 using PdGa and PdIn catalysts. *Catalysis Science and Technology*, **2020**, 10, 1925-1932	5.5	18
201	Rationalization of the X-ray photoelectron spectroscopy of aluminium phosphates synthesized from different precursors.. *RSC Advances*, **2020**, 10, 8444-8452	3.7	6
200	Facile synthesis of precious-metal single-site catalysts using organic solvents. *Nature Chemistry*, **2020**, 12, 560-567	17.6	46
199	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
198	Versailles Project on Advanced Materials and Standards interlaboratory study on intensity calibration for x-ray photoelectron spectroscopy instruments using low-density polyethylene. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2020**, 38, 063208	2.9	5
197	Cinnamyl Alcohol Oxidation Using Supported Bimetallic AuPd Nanoparticles: An Optimization of Metal Ratio and Investigation of the Deactivation Mechanism Under Autoxidation Conditions. *Topics in Catalysis*, **2020**, 63, 99-112	2.3	4
196	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	13	30
195	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
194	Boronic acids for functionalisation of commercial multi-layer graphitic material as an alternative to diazonium salts. *New Journal of Chemistry*, **2020**, 44, 19144-19154	3.6	3
193	The direct synthesis of hydrogen peroxide using a combination of a hydrophobic solvent and water. *Catalysis Science and Technology*, **2020**, 10, 8203-8212	5.5	1
192	Gold–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	5.5	13
191	Influence of the Preparation Method of Ag-K/CeO2-ZrO2-Al2O3 Catalysts on Their Structure and Activity for the Simultaneous Removal of Soot and NOx. *Catalysts*, **2020**, 10, 294	4	5
190	CW EPR Investigation of Red-Emitting CaS:Eu Phosphors: Rationalization of Local Electronic Structure. *Advanced Optical Materials*, **2020**, 8, 2001241	8.1	1
189	Lowering the Operating Temperature of Perovskite Catalysts for N2O Decomposition through Control of Preparation Methods. *ACS Catalysis*, **2020**, 10, 5430-5442	13.1	11
188	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

187	Rapid Microwave-Assisted Polyol Synthesis of TiO2-Supported Ruthenium Catalysts for Levulinic Acid Hydrogenation. *Catalysts*, **2019**, 9, 748	4	3
186	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
185	The hydrogenation of levulinic acid to γ-valerolactone over Cu/ZrO2 catalysts prepared by a pH-gradient methodology. *Journal of Energy Chemistry*, **2019**, 36, 15-24	12	19
184	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
183	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
182	Enhanced Activity and Stability of Gold/Ceria-Titania for the Low-Temperature Water-Gas Shift Reaction. *Frontiers in Chemistry*, **2019**, 7, 443	5	8
181	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
180	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
179	Benzyl alcohol oxidation with Pd-Zn/TiO: computational and experimental studies. *Science and Technology of Advanced Materials*, **2019**, 20, 367-378	7.1	16
178	Superconducting Diamond on Silicon Nitride for Device Applications. *Scientific Reports*, **2019**, 9, 2911	4.9	15
177	The Direct Synthesis of H2O2 Using TS-1 Supported Catalysts. *ChemCatChem*, **2019**, 11, 1673-1680	5.2	30
176	Liquid phase hydrogenation of CO2 to formate using palladium and ruthenium nanoparticles supported on molybdenum carbide. *New Journal of Chemistry*, **2019**, 43, 13985-13997	3.6	9
175	Direct Synthesis of Hydrogen Peroxide over AuPd Supported Nanoparticles under Ambient Conditions. *Industrial & Engineering Chemistry Research*, **2019**, 58, 12623-12631	3.9	33
174	Selective photothermal killing of cancer cells using LED-activated nucleus targeting fluorescent carbon dots. *Nanoscale Advances*, **2019**, 1, 2840-2846	5.1	16
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	Recent advances in dual mode charge compensation for XPS analysis. *Surface and Interface Analysis*, **2019**, 51, 925-933	1.5	21
171	Thick, Adherent Diamond Films on AlN with Low Thermal Barrier Resistance. *ACS Applied Materials & Interfaces*, **2019**, 11, 40826-40834	9.5	31
170	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	6.8	9

169	In situ synthesis of CuO nanoparticles over functionalized mesoporous silica and their application in catalytic syntheses of symmetrical diselenides. *Dalton Transactions*, **2019**, 48, 17874-17886	4.3	8
168	Tuning of catalytic sites in Pt/TiO2 catalysts for the chemoselective hydrogenation of 3-nitrostyrene. *Nature Catalysis*, **2019**, 2, 873-881	36.5	91
167	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
166	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
165	Solvent-free aerobic epoxidation of 1-decene using supported cobalt catalysts. *Catalysis Today*, **2019**, 333, 154-160	5.3	5
164	Imaging XPS for industrial applications. *Journal of Electron Spectroscopy and Related Phenomena*, **2019**, 231, 109-117	1.7	17
163	Microwave Permittivity of Trace sp Carbon Impurities in Sub-Micron Diamond Powders. *ACS Omega*, **2018**, 3, 2183-2192	3.9	5
162	xNiyCuzZrO2 catalysts for the hydrogenation of levulinic acid to gamma valorlactone **2018**, 4, 12-23		5
161	The deposition of metal nanoparticles on carbon surfaces: the role of specific functional groups. *Faraday Discussions*, **2018**, 208, 455-470	3.6	15
160	Selective Hydrogenation of Levulinic Acid Using Ru/C Catalysts Prepared by Sol-Immobilisation. *Topics in Catalysis*, **2018**, 61, 833-843	2.3	15
159	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
158	Cinnamaldehyde hydrogenation using AuPd catalysts prepared by sol immobilisation. *Catalysis Science and Technology*, **2018**, 8, 1677-1685	5.5	29
157	Oxidative Carboxylation of 1-Decene to 1,2-Decylene Carbonate. *Topics in Catalysis*, **2018**, 61, 509-518	2.3	8
156	Redox agent enhanced chemical mechanical polishing of thin film diamond. *Carbon*, **2018**, 130, 25-30	10.4	21
155	Greener synthesis of dimethyl carbonate using a novel tin-zirconia/graphene nanocomposite catalyst. *Applied Catalysis B: Environmental*, **2018**, 226, 451-462	21.8	31
154	One pot microwave synthesis of highly stable AuPd@Pd supported core-shell nanoparticles. *Faraday Discussions*, **2018**, 208, 409-425	3.6	10
153	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
152	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

151	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
150	Investigating the Influence of Fe Speciation on NO Decomposition Over Fe-ZSM-5 Catalysts. *Topics in Catalysis*, **2018**, 61, 1983-1992	2.3	13
149	Core-level spectra of powdered tungsten disulfide, WS2. *Surface Science Spectra*, **2018**, 25, 014002	1.2	15
148	Cinnamyl alcohol oxidation using supported bimetallic Au–Pd nanoparticles: an investigation of autoxidation and catalysis. *Catalysis Science and Technology*, **2018**, 8, 2987-2997	5.5	13
147	Practical Three-Minute Synthesis of Acid-Coated Fluorescent Carbon Dots with Tuneable Core Structure. *Scientific Reports*, **2018**, 8, 12234	4.9	31
146	Initial Oxygen Incorporation in the Prismatic Surfaces of Troilite FeS. *Journal of Physical Chemistry C* , **2018**, 122, 12810-12818	3.8	13
145	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
144	Surface Probing by Spectroscopy on Titania-Supported Gold Nanoparticles for a Photoreductive Application. *Catalysts*, **2018**, 8, 623	4	7
143	Highly selective PdZn/ZnO catalysts for the methanol steam reforming reaction. *Catalysis Science and Technology*, **2018**, 8, 5848-5857	5.5	18
142	Continuous hydrothermal flow synthesis of graphene quantum dots. *Reaction Chemistry and Engineering*, **2018**, 3, 949-958	4.9	17
141	Production of Metal-Free Diamond Nanoparticles. *ACS Omega*, **2018**, 3, 16099-16104	3.9	7
140	Oxygenate formation over K/β-Mo2C catalysts in the Fischer–Tropsch synthesis. *Catalysis Science and Technology*, **2018**, 8, 3806-3817	5.5	9
139	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
138	The X-ray photoelectron spectra of Ir, IrO2 and IrCl3 revisited. *Surface and Interface Analysis*, **2017**, 49, 794-799	1.5	146
137	Rapid synthesis of graphene quantum dots using a continuous hydrothermal flow synthesis approach. *RSC Advances*, **2017**, 7, 14716-14720	3.7	34
136	Selective Calixarene-Directed Synthesis of MXene Plates, Crumpled Sheets, Spheres, and Scrolls. *Chemistry - A European Journal*, **2017**, 23, 8128-8133	4.8	24
135	Deactivation Behavior of Supported Gold Palladium Nanoalloy Catalysts during the Selective Oxidation of Benzyl Alcohol in a Micropacked Bed Reactor. *Industrial & Engineering Chemistry Research*, **2017**, 56, 12984-12993	3.9	7
134	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

133	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
132	Multifunctional supported bimetallic catalysts for a cascade reaction with hydrogen auto transfer: synthesis of 4-phenylbutan-2-ones from 4-methoxybenzyl alcohols. *Catalysis Science and Technology*, **2017**, 7, 1928-1936	5.5	9
131	Identification of single-site gold catalysis in acetylene hydrochlorination. *Science*, **2017**, 355, 1399-1403	33.3	285
130	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
129	Cluster cleaned HOPG by XPS. *Surface Science Spectra*, **2017**, 24, 024003	1.2	6
128	Co3O4 morphology in the preferential oxidation of CO. *Catalysis Science and Technology*, **2017**, 7, 4806-4817	5.5	25
127	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
126	Activation and Deactivation of Gold/Ceria□Zirconia in the Low-Temperature Water□Gas Shift Reaction. *Angewandte Chemie*, **2017**, 129, 16253-16257	3.6	4
125	Aqueous Au-Pd colloids catalyze selective CH oxidation to CHOH with O under mild conditions. *Science*, **2017**, 358, 223-227	33.3	299
124	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
123	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
122	Metallic antimony (Sb) by XPS. *Surface Science Spectra*, **2017**, 24, 024004	1.2	8
121	An investigation of Cu□Re□ZnO catalysts for the hydrogenolysis of glycerol under continuous flow conditions. *Sustainable Energy and Fuels*, **2017**, 1, 1437-1445	5.8	5
120	Identification of the catalytically active component of Cu□Zr□O catalyst for the hydrogenation of levulinic acid to □valerolactone. *Green Chemistry*, **2017**, 19, 225-236	10	53
119	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
118	PdZn catalysts for CO hydrogenation to methanol using chemical vapour impregnation (CVI). *Faraday Discussions*, **2017**, 197, 309-324	3.6	58
117	X-ray induced reduction of rhenium salts and supported oxide catalysts. *Surface and Interface Analysis*, **2017**, 49, 223-226	1.5	7
116	Base-free oxidation of glucose to gluconic acid using supported gold catalysts. *Catalysis Science and Technology*, **2016**, 6, 107-117	5.5	42

115	Synergy and Anti-Synergy between Palladium and Gold in Nanoparticles Dispersed on a Reducible Support. *ACS Catalysis*, **2016**, 6, 6623-6633	13.1	59
114	Tuning graphitic oxide for initiator- and metal-free aerobic epoxidation of linear alkenes. *Nature Communications*, **2016**, 7, 12855	17.4	13
113	Three-minute synthesis of sp nanocrystalline carbon dots as non-toxic fluorescent platforms for intracellular delivery. *Nanoscale*, **2016**, 8, 18630-18634	7.7	40
112	Study of the magnetite to maghemite transition using microwave permittivity and permeability measurements. *Journal of Physics Condensed Matter*, **2016**, 28, 106002	1.8	50
111	Oxygen Reduction at Carbon-Supported Lanthanides: The Role of the B-Site. *ChemElectroChem*, **2016**, 3, 283-291	4.3	51
110	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
109	Stable amorphous georgeite as a precursor to a high-activity catalyst. *Nature*, **2016**, 531, 83-7	50.4	100
108	Palladium-tin catalysts for the direct synthesis of H□□ with high selectivity. *Science*, **2016**, 351, 965-8	33.3	314
107	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
106	Fischer Tropsch synthesis using cobalt based carbon catalysts. *Catalysis Today*, **2016**, 275, 35-39	5.3	27
105	Pd□Ru/TiO2 catalyst □an active and selective catalyst for furfural hydrogenation. *Catalysis Science and Technology*, **2016**, 6, 234-242	5.5	85
104	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
103	Surface Analysis: X-Ray Photoelectron Spectroscopy **2016**,		
102	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
101	Calixarene Assisted Rapid Synthesis of Silver-Graphene Nanocomposites with Enhanced Antibacterial Activity. *ACS Applied Materials & Interfaces*, **2016**, 8, 19038-46	9.5	68
100	Explicit Detection of the Mechanism of Platinum Nanoparticle Shape Control by Polyvinylpyrrolidone. *Journal of Physical Chemistry C*, **2016**, 120, 7532-7542	3.8	29
99	Fischer Tropsch Synthesis using promoted cobalt-based catalysts. *Catalysis Today*, **2016**, 272, 74-79	5.3	11
98	Pd/ZnO catalysts for direct CO2 hydrogenation to methanol. *Journal of Catalysis*, **2016**, 343, 133-146	7.3	248

97	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
96	The conversion of levulinic acid into γ-valerolactone using Cu-ZrO2 catalysts. *Catalysis Science and Technology*, **2016**, 6, 6022-6030	5.5	28
95	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
94	Hydrogenolysis of Glycerol to Monoalcohols over Supported Mo and W Catalysts. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5752-5760	8.3	29
93	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
92	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
91	Low temperature catalytic partial oxidation of ethane to oxygenates by Fe- and Cu-ZSM-5 in a continuous flow reactor. *Journal of Catalysis*, **2015**, 330, 84-92	7.3	21
90	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
89	Electronic and surface properties of Ga-doped In2O3 ceramics. *Applied Surface Science*, **2015**, 349, 970-982	6.7	25
88	Liquid phase oxidation of cyclohexane using bimetallic Au-Pd/MgO catalysts. *Applied Catalysis A: General*, **2015**, 504, 373-380	5.1	33
87	Molecular modeling as a predictive tool for the development of solid dispersions. *Molecular Pharmaceutics*, **2015**, 12, 1040-9	5.6	38
86	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
85	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
84	Selective oxidation of n-butanol using gold-palladium supported nanoparticles under base-free conditions. *ChemSusChem*, **2015**, 8, 473-80	8.3	25
83	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
82	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
81	Molybdenum blue nano-rings: an effective catalyst for the partial oxidation of cyclohexane. *Catalysis Science and Technology*, **2015**, 5, 217-227	5.5	15
80	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

79	Resolving ruthenium: XPS studies of common ruthenium materials. *Surface and Interface Analysis*, **2015**, 47, 1072-1079	1.5	425
78	Silica Supported Platinum Catalysts for Total Oxidation of the Polyaromatic Hydrocarbon Naphthalene: An Investigation of Metal Loading and Calcination Temperature. *Catalysts*, **2015**, 5, 690-702	4	7
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