

# Christopher J Kiely

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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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.

328 papers	27,933 citations	81 h-index	161 g-index
349 ext. papers	30,438 ext. citations	9.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
328	Au-Pd Separation Enhances Bimetallic Catalysis of Alcohol Oxidation.. <i>Nature</i> , <b>2022</b> ,	50.4	11
327	Highly efficient catalytic production of oximes from ketones using in situ-generated HO.. <i>Science</i> , <b>2022</b> , 376, 615-620	33.3	6
326	A Combination of EPR, Microscopy, Electrophoresis and Theory to Elucidate the Chemistry of W- and N-Doped TiO <sub>2</sub> Nanoparticle/Water Interfaces. <i>Catalysts</i> , <b>2021</b> , 11, 1305	4	
325	A Career in Catalysis: Graham J. Hutchings. <i>ACS Catalysis</i> , <b>2021</b> , 11, 5916-5933	13.1	2
324	Methane Oxidation to Methanol in Water. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 2614-2623	24.3	18
323	Sulfur Promotion in Au/C Catalyzed Acetylene Hydrochlorination. <i>Small</i> , <b>2021</b> , 17, e2007221	11	7
322	Enhanced Selective Oxidation of Benzyl Alcohol via In Situ H <sub>2</sub> O <sub>2</sub> Production over Supported Pd-Based Catalysts. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2701-2714	13.1	26
321	Probing composition distributions in nanoalloy catalysts with correlative electron microscopy. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15725-15733	13	3
320	Role of the Support in Gold-Containing Nanoparticles as Heterogeneous Catalysts. <i>Chemical Reviews</i> , <b>2020</b> , 120, 3890-3938	68.1	131
319	Enhanced catalyst selectivity in the direct synthesis of H <sub>2</sub> O <sub>2</sub> through Pt incorporation into TiO <sub>2</sub> supported AuPd catalysts. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4635-4644	5.5	15
318	Facile synthesis of precious-metal single-site catalysts using organic solvents. <i>Nature Chemistry</i> , <b>2020</b> , 12, 560-567	17.6	46
317	Continuous Flow Synthesis of Bimetallic AuPd Catalysts for the Selective Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid. <i>ChemNanoMat</i> , <b>2020</b> , 6, 420-426	3.5	9
316	Gold-Palladium colloids as catalysts for hydrogen peroxide synthesis, degradation and methane oxidation: effect of the PVP stabiliser. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 5935-5944	5.5	13
315	Tailored Coupling of Biomineralized CdS Quantum Dots to rGO to Realize Ambient Aqueous Synthesis of a High-Performance Hydrogen Evolution Photocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42773-42780	9.5	6
314	Scalable Biomineralization of CdS Quantum Dots by Immobilized Cystathionine $\gamma$ -lyase. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 15189-15198	8.3	0
313	Low temperature selective oxidation of methane using gold-palladium colloids. <i>Catalysis Today</i> , <b>2020</b> , 342, 32-38	5.3	24
312	Enzymatic synthesis of supported CdS quantum dot/reduced graphene oxide photocatalysts. <i>Green Chemistry</i> , <b>2019</b> , 21, 4046-4054	10	17

311	Benzyl alcohol oxidation with Pd-Zn/TiO: computational and experimental studies. <i>Science and Technology of Advanced Materials</i> , <b>2019</b> , 20, 367-378	7.1	16
310	Synthesis of highly uniform and composition-controlled gold-palladium supported nanoparticles in continuous flow. <i>Nanoscale</i> , <b>2019</b> , 11, 8247-8259	7.7	24
309	Hydrated Electron Generation by Excitation of Copper Localized Surface Plasmon Resonance. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1743-1749	6.4	13
308	The Key Role of Nanocasting in Gold-based Fe <sub>2</sub> O <sub>3</sub> Nanocasted Catalysts for Oxygen Activation at the Metal-support Interface. <i>ChemCatChem</i> , <b>2019</b> , 11, 1915-1927	5.2	5
307	Electron Microscopy Informed Catalyst Design. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 2282-2283	0.5	
306	In Situ Biomineralization of CuZnSnS Nanocrystals within TiO-Based Quantum Dot Sensitized Solar Cell Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 45656-45664	9.5	5
305	Tuning of catalytic sites in Pt/TiO <sub>2</sub> catalysts for the chemoselective hydrogenation of 3-nitrostyrene. <i>Nature Catalysis</i> , <b>2019</b> , 2, 873-881	36.5	91
304	Unravelling structure sensitivity in CO <sub>2</sub> hydrogenation over nickel. <i>Nature Catalysis</i> , <b>2018</b> , 1, 127-134	36.5	215
303	Homocoupling of Phenylboronic Acid using Atomically Dispersed Gold on Carbon Catalysts: Catalyst Evolution Before Reaction. <i>ChemCatChem</i> , <b>2018</b> , 10, 1853-1859	5.2	10
302	Preparation of a highly active ternary Cu-Zn-Al oxide methanol synthesis catalyst by supercritical CO <sub>2</sub> anti-solvent precipitation. <i>Catalysis Today</i> , <b>2018</b> , 317, 12-20	5.3	25
301	Elucidating the Role of CO <sub>2</sub> in the Soft Oxidative Dehydrogenation of Propane over Ceria-Based Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 3454-3468	13.1	52
300	Deactivation of a Single-Site Gold-on-Carbon Acetylene Hydrochlorination Catalyst: An X-ray Absorption and Inelastic Neutron Scattering Study. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8493-8505	13.1	43
299	Improving the Selectivity of Photocatalytic NO <sub>x</sub> Abatement through Improved O <sub>2</sub> Reduction Pathways Using Ti <sub>0.909</sub> W <sub>0.091</sub> O <sub>2</sub> N <sub>x</sub> Semiconductor Nanoparticles: From Characterization to Photocatalytic Performance. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6927-6938	13.1	13
298	The Role of Copper Speciation in the Low Temperature Oxidative Upgrading of Short Chain Alkanes over Cu/ZSM-5 Catalysts. <i>ChemPhysChem</i> , <b>2018</b> , 19, 469-478	3.2	9
297	Ambient temperature aqueous synthesis of ultrasmall copper doped ceria nanocrystals for the water gas shift and carbon monoxide oxidation reactions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 244-255	13.5	17
296	Highly selective PdZn/ZnO catalysts for the methanol steam reforming reaction. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 5848-5857	5.5	18
295	Low temperature aqueous synthesis of size-controlled nanocrystals through size focusing: a quantum dot biomineralization case study. <i>Nanoscale</i> , <b>2018</b> , 10, 20785-20795	7.7	6
294	Interfacial Stabilization of Metastable TiO <sub>2</sub> Films. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 4434-4442	3.8	7

293	Direct Single-Enzyme Biomineralization of Catalytically Active Ceria and Ceria-Zirconia Nanocrystals. <i>ACS Nano</i> , <b>2017</b> , 11, 3337-3346	16.7	17
292	Catalytic Partial Oxidation of Cyclohexane by Bimetallic Ag/Pd Nanoparticles on Magnesium Oxide. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11834-11842	4.8	25
291	Nature of Catalytically Active Sites in the Supported WO <sub>3</sub> /ZrO <sub>2</sub> Solid Acid System: A Current Perspective. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2181-2198	13.1	54
290	Template-Induced Structuring and Tunable Polymorphism of Three-Dimensionally Ordered Mesoporous (3DOM) Metal Oxides. <i>Langmuir</i> , <b>2017</b> , 33, 6601-6610	4	10
289	Atomic-layered Au clusters on $\gamma$ -MoC as catalysts for the low-temperature water-gas shift reaction. <i>Science</i> , <b>2017</b> , 357, 389-393	33.3	377
288	Highly Active Gold and Gold-Palladium Catalysts Prepared by Colloidal Methods in the Absence of Polymer Stabilizers. <i>ChemCatChem</i> , <b>2017</b> , 9, 2914-2918	5.2	14
287	Identification of single-site gold catalysis in acetylene hydrochlorination. <i>Science</i> , <b>2017</b> , 355, 1399-1403	33.3	285
286	Single Enzyme Direct Biomineralization of CdSe and CdSe-CdS Core-Shell Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13430-13439	9.5	11
285	A new class of Cu/ZnO catalysts derived from zincian georgeite precursors prepared by co-precipitation. <i>Chemical Science</i> , <b>2017</b> , 8, 2436-2447	9.4	25
284	Activation and Deactivation of Gold/Ceria-Zirconia in the Low-Temperature Water-Gas Shift Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16037-16041	16.4	36
283	Activation and Deactivation of Gold/Ceria-Zirconia in the Low-Temperature Water-Gas Shift Reaction. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16253-16257	3.6	4
282	Electron Microscopy Investigations of Precious Metal Catalysts: Towards Controlled Synthesis of Ultra-Small Nanoparticles. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1854-1855	0.5	
281	Single enzyme direct biomineralization of ZnS, ZnxCd <sub>1-x</sub> S and ZnxCd <sub>1-x</sub> S/ZnS quantum confined nanocrystals. <i>RSC Advances</i> , <b>2017</b> , 7, 38490-38497	3.7	8
280	Aqueous Au-Pd colloids catalyze selective CH oxidation to CHOH with O under mild conditions. <i>Science</i> , <b>2017</b> , 358, 223-227	33.3	299
279	Supported nickel-rhenium catalysts for selective hydrogenation of methyl esters to alcohols. <i>Chemical Communications</i> , <b>2017</b> , 53, 9761-9764	5.8	26
278	Enzymatic biomineralization of biocompatible CuInS, (CuInZn)S and CuInS/ZnS core/shell nanocrystals for bioimaging. <i>Nanoscale</i> , <b>2017</b> , 9, 9340-9351	7.7	22
277	The Low-Temperature Oxidation of Propane by using H <sub>2</sub> O <sub>2</sub> and Fe/ZSM-5 Catalysts: Insights into the Active Site and Enhancement of Catalytic Turnover Frequencies. <i>ChemCatChem</i> , <b>2017</b> , 9, 642-650	5.2	11
276	Synergy and Anti-Synergy between Palladium and Gold in Nanoparticles Dispersed on a Reducible Support. <i>ACS Catalysis</i> , <b>2016</b> , 6, 6623-6633	13.1	59

275	ZrO <sub>2</sub> Is Preferred over TiO <sub>2</sub> as Support for the Ru-Catalyzed Hydrogenation of Levulinic Acid to $\gamma$ -Valerolactone. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5462-5472	13.1	127
274	Biomineralized CdS Quantum Dot Nanocrystals: Optimizing Synthesis Conditions and Improving Functional Properties by Surface Modification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 11235-11244	3.9	17
273	Population and hierarchy of active species in gold iron oxide catalysts for carbon monoxide oxidation. <i>Nature Communications</i> , <b>2016</b> , 7, 12905	17.4	50
272	Mechanistic Insight into the Interaction Between a Titanium Dioxide Photocatalyst and Pd Cocatalyst for Improved Photocatalytic Performance. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4239-4247	13.1	41
271	Investigation of the active species in the carbon-supported gold catalyst for acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 5144-5153	5.5	56
270	Supported bimetallic nano-alloys as highly active catalysts for the one-pot tandem synthesis of imines and secondary amines from nitrobenzene and alcohols. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 5473-5482	5.5	33
269	Stable amorphous georgeite as a precursor to a high-activity catalyst. <i>Nature</i> , <b>2016</b> , 531, 83-7	50.4	100
268	Palladium-tin catalysts for the direct synthesis of HD with high selectivity. <i>Science</i> , <b>2016</b> , 351, 965-8	33.3	314
267	Morphology and Composition of Biomineralized Ceria and Ceria-Zirconia Nanocrystals. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 250-251	0.5	1
266	Biomineralization of PbS and PbS@CdS core-shell nanocrystals and their application in quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6107-6115	13	34
265	Cobalt Catalysts Decorated with Platinum Atoms Supported on Barium Zirconate Provide Enhanced Activity and Selectivity for CO <sub>2</sub> Methanation. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2811-2818	13.1	69
264	Single-enzyme biomineralization of cadmium sulfide nanocrystals with controlled optical properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5275-80	11.5	57
263	Ruthenium Nanoparticles Supported on Carbon: An Active Catalyst for the Hydrogenation of Lactic Acid to 1,2-Propanediol. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5047-5059	13.1	72
262	Biomanufacturing of CdS quantum dots. <i>Green Chemistry</i> , <b>2015</b> , 17, 3775-3782	10	56
261	Liquid phase oxidation of cyclohexane using bimetallic AuPd/MgO catalysts. <i>Applied Catalysis A: General</i> , <b>2015</b> , 504, 373-380	5.1	33
260	AuPd Nanoparticles Dispersed on Composite Titania/Graphene Oxide-Supports as a Highly Active Oxidation Catalyst. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3575-3587	13.1	91
259	High performing and stable supported nano-alloys for the catalytic hydrogenation of levulinic acid to $\gamma$ -Valerolactone. <i>Nature Communications</i> , <b>2015</b> , 6, 6540	17.4	232
258	Gold Catalysis: A Reflection on Where We are Now. <i>Catalysis Letters</i> , <b>2015</b> , 145, 71-79	2.8	48

257	Molybdenum blue nano-rings: an effective catalyst for the partial oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 217-227	5.5	15
256	Structural and Optical Characterization of Biosynthesized CdS Quantum Dots. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1737-1738	0.5	
255	Methyl Formate Formation from Methanol Oxidation Using Supported Gold-Palladium Nanoparticles. <i>ACS Catalysis</i> , <b>2015</b> , 5, 637-644	13.1	69
254	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 <b>2015</b> , 1, 35-43		13
253	Designer titania-supported Au-Pd nanoparticles for efficient photocatalytic hydrogen production. <i>ACS Nano</i> , <b>2014</b> , 8, 3490-7	16.7	249
252	The direct synthesis of hydrogen peroxide using platinum-promoted gold-palladium catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2381-4	16.4	86
251	Oxidation of benzyl alcohol and carbon monoxide using gold nanoparticles supported on MnO <sub>2</sub> nanowire microspheres. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 1701-10	4.8	38
250	Strategies for designing supported gold-palladium bimetallic catalysts for the direct synthesis of hydrogen peroxide. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 845-54	24.3	147
249	High activity redox catalysts synthesized by chemical vapor impregnation. <i>ACS Nano</i> , <b>2014</b> , 8, 957-69	16.7	23
248	Enhanced Au-Pd Activity in the Direct Synthesis of Hydrogen Peroxide using Nanostructured Titanate Nanotube Supports. <i>ChemCatChem</i> , <b>2014</b> , 6, 2531-2534	5.2	28
247	Well-controlled metal co-catalysts synthesised by chemical vapour impregnation for photocatalytic hydrogen production and water purification. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14976-82	4.3	8
246	Light alkane oxidation using catalysts prepared by chemical vapour impregnation: tuning alcohol selectivity through catalyst pre-treatment. <i>Chemical Science</i> , <b>2014</b> , 5, 3603-3616	9.4	39
245	The direct synthesis of hydrogen peroxide using platinum promoted gold-palladium catalysts. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 3244-3250	5.5	18
244	Selective photocatalytic oxidation of benzene for the synthesis of phenol using engineered Au-Pd alloy nanoparticles supported on titanium dioxide. <i>Chemical Communications</i> , <b>2014</b> , 50, 12612-4	5.8	35
243	Catalysis using colloidal-supported gold-based nanoparticles. <i>Applied Petrochemical Research</i> , <b>2014</b> , 4, 85-94	1.9	10
242	Base-free oxidation of glycerol using titania-supported trimetallic Au-Pd-Pt nanoparticles. <i>ChemSusChem</i> , <b>2014</b> , 7, 1326-34	8.3	61
241	The Direct Synthesis of Hydrogen Peroxide Using Platinum-Promoted Gold-Palladium Catalysts. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2413-2416	3.6	11
240	Understanding the Growth Mechanism of CeO <sub>2</sub> Nanocrystals by Comparison of Experimental and Simulated HAADF-STEM Images. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 178-179	0.5	



239	Novel radical tandem 1,6-enynes thioacylation/cyclization: AuPd nanoparticles catalysis versus thermal activation as a function of the substrate specificity. <i>Tetrahedron</i> , <b>2014</b> , 70, 9635-9643	2.4	6
238	Assessing and Controlling the Size, Morphology and Composition of Supported Bimetallic Catalyst Nanoparticles. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 74-75	0.5	1
237	High Resolution Electron Microscopy Study of Nanocubes and Polyhedral Nanocrystals of Cerium(IV) Oxide. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2028-2034	9.6	29
236	Molybdenum oxide model catalysts and vanadium phosphates as actual catalysts for understanding heterogeneous catalytic partial oxidation reactions: A contribution by Jean-Claude Volta. <i>Catalysis Today</i> , <b>2013</b> , 217, 57-64	5.3	18
235	Strategies for the synthesis of supported gold palladium nanoparticles with controlled morphology and composition. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1759-72	24.3	155
234	Partial oxidation of ethane to oxygenates using Fe- and Cu-containing ZSM-5. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11087-99	16.4	65
233	Selective catalytic oxidation using supported gold-platinum and palladium-platinum nanoalloys prepared by sol-immobilisation. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10636-44	3.6	35
232	Effect of heat treatment on AuPd catalysts synthesized by sol immobilisation for the direct synthesis of hydrogen peroxide and benzyl alcohol oxidation. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 308-317	5.5	55
231	Oxidation of methane to methanol with hydrogen peroxide using supported gold-palladium alloy nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1280-4	16.4	169
230	The selective oxidation of 1,2-propanediol to lactic acid using mild conditions and gold-based nanoparticulate catalysts. <i>Catalysis Today</i> , <b>2013</b> , 203, 139-145	5.3	51
229	Oxidation of Methane to Methanol with Hydrogen Peroxide Using Supported Gold-Palladium Alloy Nanoparticles. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1318-1322	3.6	43
228	Selective suppression of disproportionation reaction in solvent-less benzyl alcohol oxidation catalysed by supported AuPd nanoparticles. <i>Catalysis Today</i> , <b>2013</b> , 203, 146-152	5.3	52
227	Effect of acid pre-treatment on AuPd/SiO <sub>2</sub> catalysts for the direct synthesis of hydrogen peroxide. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 812-818	5.5	41
226	Switching-off toluene formation in the solvent-free oxidation of benzyl alcohol using supported trimetallic Au-Pd-Pt nanoparticles. <i>Faraday Discussions</i> , <b>2013</b> , 162, 365-78	3.6	55
225	Gold-nanoparticle-based catalysts for the oxidative esterification of 1,4-butanediol into dimethyl succinate. <i>ChemSusChem</i> , <b>2013</b> , 6, 1952-8	8.3	4
224	Assessment of a nanocrystal 3-D morphology by the analysis of single HAADF-HRSTEM images. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 475	5	5
223	Synergy between tungsten and palladium supported on titania for the catalytic total oxidation of propane. <i>Journal of Catalysis</i> , <b>2012</b> , 285, 103-114	7.3	56
222	Oxidation of benzyl alcohol by using gold nanoparticles supported on ceria foam. <i>ChemSusChem</i> , <b>2012</b> , 5, 125-31	8.3	49

221	Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> /MoO <sub>3</sub> nano-structured catalysts for the oxidation of methanol to formaldehyde. <i>Journal of Catalysis</i> , <b>2012</b> , 296, 55-64	7.3	41
220	Solvothermal synthesis of ultrasmall tungsten oxide nanoparticles. <i>Langmuir</i> , <b>2012</b> , 28, 17771-7	4	40
219	Gold catalysis: helping create a sustainable future. <i>Applied Petrochemical Research</i> , <b>2012</b> , 2, 7-14	1.9	7
218	Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 97-104	5.5	28
217	Redispersion of Gold Supported on Oxides. <i>ACS Catalysis</i> , <b>2012</b> , 2, 552-560	13.1	62
216	Physical mixing of metal acetates: a simple, scalable method to produce active chloride free bimetallic catalysts. <i>Chemical Science</i> , <b>2012</b> , 3, 2965	9.4	34
215	Gold, palladium and gold-palladium supported nanoparticles for the synthesis of glycerol carbonate from glycerol and urea. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1914	5.5	43
214	The effect of heat treatment on the performance and structure of carbon-supported AuPd catalysts for the direct synthesis of hydrogen peroxide. <i>Journal of Catalysis</i> , <b>2012</b> , 292, 227-238	7.3	83
213	Nanostructural and chemical characterization of supported metal oxide catalysts by aberration corrected analytical electron microscopy. <i>Current Opinion in Solid State and Materials Science</i> , <b>2012</b> , 16, 10-22	12	52
212	Reactivity of Ga <sub>2</sub> O <sub>3</sub> Clusters on Zeolite ZSM-5 for the Conversion of Methanol to Aromatics. <i>Catalysis Letters</i> , <b>2012</b> , 142, 1049-1056	2.8	51
211	Promotion of phenol photodecomposition over TiO <sub>2</sub> using Au, Pd, and Au-Pd nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 6284-92	16.7	225
210	Designing bimetallic catalysts for a green and sustainable future. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 8099-139	58.5	820
209	Synthesis of stable ligand-free gold-palladium nanoparticles using a simple excess anion method. <i>ACS Nano</i> , <b>2012</b> , 6, 6600-13	16.7	114
208	Mercaptocarborane-capped gold nanoparticles: electron pools and ion traps with switchable hydrophilicity. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 212-21	16.4	117
207	Modified zeolite ZSM-5 for the methanol to aromatics reaction. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 105-112	5.5	149
206	Direct catalytic conversion of methane to methanol in an aqueous medium by using copper-promoted Fe-ZSM-5. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5129-33	16.4	376
205	Direct Catalytic Conversion of Methane to Methanol in an Aqueous Medium by using Copper-Promoted Fe-ZSM-5. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 5219-5223	3.6	73
204	Involvement of Surface-Bound Radicals in the Oxidation of Toluene Using Supported Au-Pd Nanoparticles. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6083-6087	3.6	12



203	Involvement of surface-bound radicals in the oxidation of toluene using supported Au-Pd nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 5981-5	16.4	72
202	Supported Pd-Cu bimetallic nanoparticles that have high activity for the electrochemical oxidation of methanol. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 4887-93	4.8	146
201	A new statistical approach for generating meaningful particle size distributions from aberration corrected STEM-HAADF images of supported metal catalysts. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 376-377	0.5	
200	Enhanced performance of the catalytic conversion of allyl alcohol to 3-hydroxypropionic acid using bimetallic gold catalysts. <i>Faraday Discussions</i> , <b>2011</b> , 152, 367-79; discussion 393-413	3.6	19
199	The significance of the order of impregnation on the activity of vanadia promoted palladium-alumina catalysts for propane total oxidation. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 1367	5.5	15
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197	Selective oxidation of 5-hydroxymethyl-2-furfural using supported gold-copper nanoparticles. <i>Green Chemistry</i> , <b>2011</b> , 13, 2091	10	210
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195	Selective oxidation of alkenes using graphite-supported gold-palladium catalysts. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 747	5.5	25
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188	Aberration-corrected Analytical Microscopy Characterization of Double-Supported WO <sub>3</sub> /TiO <sub>2</sub> /SiO <sub>2</sub> Solid Acid Catalysts. <i>ChemCatChem</i> , <b>2011</b> , 3, 1045-1050	5.2	4
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185	Influence of Methyl Halide Treatment on Gold Nanoparticles Supported on Activated Carbon. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9074-9078	3.6	10
184	Viral-capsid-type vesicle-like structures assembled from M12L24 metal-organic hybrid nanocages. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5182-7	16.4	66
183	Selective oxidation of glycerol by highly active bimetallic catalysts at ambient temperature under base-free conditions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10136-9	16.4	196
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