Christopher Hardacre

List of Articles by Year
in descending order

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510 peer-reviewed articles	26,184 peer-reviewed citations	7436 77 peer-reviewed h-index	757422 3.61 score
541 documents	29758 doc citations	7927 82 h-index	36256 citing authors

#	Article	IF	Citations
1	H2 production from the photocatalytic reforming of ethylene glycol: Effect of TiO2 crystalline phase on photo-oxidation mechanism. Journal of Catalysis, 2025, 442, 115876.	4.4	7
2	Cationic cellulose nanocrystals assisted synthesis of mesoporous Silicalite-1 zeolites with fewer silanol defects. Microporous and Mesoporous Materials, 2025, 384, 113448.	3.6	3
3	Development of iron-nickel containing perovskites with increased oxygen carrier capacity for chemical looping H2 production. Journal of Environmental Chemical Engineering, 2025, 13, 115069.	4.7	13
4	H2 production from photocatalytic reforming of PET over Pt/TiO2: The role of terephthalic acid. Catalysis Today, 2025, 452, 115242.	3.8	7
5	Improving CO Oxidation Catalysis Over High Entropy Spinels by Increasing Disorder. Advanced Science, 2025, 12, .	7.7	22
6	Photocatalytic valorisation of real-world substrates. RSC Sustainability, 2025, 3, 2079-2110.	4.1	16
7	Enhancing the Reaction of CO2 and H2O Using Catalysts within a Nonthermal Plasma. ACS Catalysis, 2025, 15, 7053-7065.	9.8	8
8	Boosting NH_3-SCR of NO_x	7.6	6
9	Recent advances in the catalytic oxidation of VOCs over core–shell and yolk-shell structured catalysts. Fuel, 2025, 399, 135585.	5.8	7
10	Unassisted Photoelectrochemical CO2 Conversion into Liquid Products by a Light-Responsive Gas-Diffusion Electrode. ACS Sustainable Chemistry and Engineering, 2025, 13, 8988-8998.	5.3	5
11	Molecular architecture modulates self-assembly and micellar rheology of model ionic surfactant systems. Soft Matter, 2025, 21, 5990-5997.	1.9	3
12	Extracting microkinetic insights from macroscopic measurements: A power law modelling framework for catalytic reaction mechanism analysis. Chemical Engineering Science, 2025, 318, 122215.	3.8	2
13	Enhancing Hydrogen Production from Bioenergy Crops via Photoreforming. Journal of the American Chemical Society, 2025, 147, 29679-29686.	11.7	3
14	The current status of research on the catalytic oxidation of formaldehyde. Catalysis Reviews - Science and Engineering, 2024, 66, 1028-1083.	7.8	57
15	Enhancing Hydrogen Production from the Photoreforming of Lignin. ChemPlusChem, 2024, 89, .	2.1	10
16	Anchoring highly dispersed metal nanoparticles by strong electrostatic adsorption (SEA) on a dealuminated beta zeolite for catalysis. Catalysis Science and Technology, 2024, 14, 164-173.	2.9	24
17	MOO3 catalysed hydrogenation of nitrobenzene to aniline at near room temperature. Inorganic Chemistry Communication, 2024, 164, 112416.	4.2	3
18	Tuning the Size of TiO2-Supported Co Nanoparticle Fischer–Tropsch Catalysts Using Mn Additions. ACS Catalysis, 2024, 14, 10648-10657.	9.8	11

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19	Advancements in the in-situ growth of catalysts for water electrolysis: Substrate considerations, performance evaluations, and future perspectives. Current Opinion in Electrochemistry, 2024, 47, 101566.	2.6	17
20	An in situ DRIFTS-MS study on elucidating the role of V in the selective oxidation of methacrolein to methacrylic acid over heteropolyacid compounds. Catalysis Science and Technology, 2024, 14, 5096-5106.	2.9	3
21	Tracking Minority Species in Redox Reactions: A Quantitative Combined XAS and Modulation Excitation Study. Angewandte Chemie, 2024, 136, .	0.9	0
22	Removal and Oxidation of Low Concentration tert-Butanol from Potable Water using Nonthermal Plasma Coupled with Metal Oxide Adsorption. ACS ES&T Engineering, 2024, 4, 2121-2134.	4.9	4
23	A Flexible Phosphonate Metal–Organic Framework for Enhanced Cooperative Ammonia Capture. Journal of the American Chemical Society, 2024, 146, 32040-32048.	11.7	38
24	Non thermal plasma assisted water-gas shift reactions under mild conditions: state of the art and a future perspective. Catalysis Today, 2023, 423, 113956.	3.8	9
25	Fracking wastewater treatment: Catalytic performance and life cycle environmental impacts of cerium-based mixed oxide catalysts for catalytic wet oxidation of organic compounds. Science of the Total Environment, 2023, 860, 160480.	5.6	12
26	2023 roadmap on photocatalytic water splitting. JPhys Energy, 2023, 5, 012004.	2.9	21
27	Mechanistic Study of Glucose Photoreforming over TiO2-Based Catalysts for H2 Production. ACS Catalysis, 2023, 13, 8574-8587.	9.8	38
28	Low-field 2D NMR relaxation and DRIFTS studies of glucose isomerization in zeolite Y: New insights into adsorption effects on catalytic performance. Journal of Catalysis, 2023, 425, 269-285.	4.4	10
29	Environmental assessment of a novel ionic-liquid based method for recycling of PVC in composite materials. Science of the Total Environment, 2023, 887, 163999.	5.6	20
30	Heterogenised catalysts for the H-transfer reduction reaction of aldehydes: influence of solvent and solvation effects on reaction performances. Physical Chemistry Chemical Physics, 2023, 25, 21416-21427.	2.0	1
31	Enhanced Catalytic Activity of Pd Supported on TiO2 Nanowire for the H2-SCR of NOx in the Presence of Oxygen. ACS Sustainable Chemistry and Engineering, 2023, 11, 10453-10461.	5.3	20
32	Microstructural and thermodynamic characterization of wormlike micelles formed by polydisperse ionic surfactant solutions. Journal of Chemical Physics, 2023, 159, .	2.2	1
33	Direct Conversion of Methane to Ethylene and Acetylene over an Iron-Based Metal–Organic Framework. Journal of the American Chemical Society, 2023, 145, 20792-20800.	11.7	36
34	Correlating the strength of reducing agent adsorption with Ag/Al2O3 catalyst performances in selective catalytic reduction (SCR) of NOx. Catalysis Today, 2022, 384-386, 274-278.	3.8	15
35	Thermal ageing of a commercial LNT catalyst: Effects on the structure and functionalities. Catalysis Today, 2022, 384-386, 228-237.	3.8	3
36	Comparison between the thermal and plasma (NTP) assisted palladium catalyzed oxidation of CH4 using AC or nanopulse power supply. Catalysis Today, 2022, 384-386, 177-186.	3.8	11

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37	Effect of concentrated NaCl on catalytic wet oxidation (CWO) of short chain carboxylic acids. Catalysis Communications, 2022, 162, 106395.	3.8	1
38	Highly efficient and selective aqueous phase hydrogenation of aryl ketones, aldehydes, furfural and levulinic acid and its ethyl ester catalyzed by phosphine oxide-decorated polymer immobilized ionic liquid-stabilized ruthenium nanoparticles. Catalysis Science and Technology, 2022, 12, 3549-3567.	2.9	23
39	Effect of Ball-Milling Pretreatment of Cellulose on Its Photoreforming for H2 Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 4862-4871.	5.3	55
40	Surfactant-free Synthesis of Spiky Hollow Ag–Au Nanostars with Chemically Exposed Surfaces for Enhanced Catalysis and Single-Particle SERS. Jacs Au, 2022, 2, 178-187.	4.5	56
41	Optimization of Non-thermal Plasma-Assisted Catalytic Oxidation for Methane Emissions Abatement as an Exhaust Aftertreatment Technology. Plasma Chemistry and Plasma Processing, 2022, 42, 709-730.	2.3	9
42	Selective Hydrogenation of Stearic Acid Using Mechanochemically Prepared Titania-Supported Pt and Pt–Re Bimetallic Catalysts. ACS Sustainable Chemistry and Engineering, 2022, 10, 6934-6941.	5.3	26
43	Shielding Protection by Mesoporous Catalysts for Improving Plasma-Catalytic Ambient Ammonia Synthesis. Journal of the American Chemical Society, 2022, 144, 12020-12031.	11.7	243
44	Photocatalytic Reforming of Biomass: What Role Will the Technology Play in Future Energy Systems. Topics in Current Chemistry, 2022, 380, .	6.4	43
45	High-Ionic-Strength Wastewater Treatment via Catalytic Wet Oxidation over a MnCeOx Catalyst. ACS Catalysis, 2022, 12, 7598-7608.	9.8	21
46	Combined Superbase Ionic Liquid Approach to Separate CO2 from Flue Gas. ACS Sustainable Chemistry and Engineering, 2022, 10, 9453-9459.	5.3	10
47	Non-thermal plasma activated CO2 hydrogenation over K- and La- promoted layered-double hydroxide supported Ni catalysts. Frontiers in Chemical Engineering, 2022, 4, .	2.2	5
48	Elucidating the role of H2O in promoting the formation of methacrylic acid during the oxidation of methacrolein over heteropolyacid compounds. Faraday Discussions, 2021, 229, 443-457.	2.6	12
49	Contrasting the EXAFS obtained under air and H2 environments to reveal details of the surface structure of Pt–Sn nanoparticles. Physical Chemistry Chemical Physics, 2021, 23, 11738-11745.	2.0	6
50	Life cycle thinking case study for catalytic wet air oxidation of lignin in bamboo biomass for vanillin production. Green Chemistry, 2021, 23, 1847-1860.	7.6	13
51	Dry reforming of methane on bimetallic Pt–Ni@CeO2catalyst: ain situDRIFTS-MS mechanistic study. Catalysis Science and Technology, 2021, 11, 5260-5272.	2.9	82
52	Catalytic decomposition of NO2 over a copper-decorated metal–organic framework by non-thermal plasma. Cell Reports Physical Science, 2021, 2, 100349.	2.9	19
53	Performance of Ionic Liquid-Water Mixtures in an Acetone Cooling Application. Sustainability, 2021, 13, 2949.	2.3	4
54	Investigations into the synthesis of a nucleotide dimer via mechanochemical phosphoramidite chemistry. Royal Society Open Science, 2021, 8, .	1.6	10

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55	Non-thermal plasma catalysis for CO2 conversion and catalyst design for the process. Journal Physics D: Applied Physics, 2021, 54, 233001.	2.2	95
56	Thermophysical Properties of 1-Butyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate, [C4mim][(C2F5)3PF3], and of Its IoNanofluid with Multi-Walled Carbon Nanotubes. Journal of Chemical & Engineering Data, 2021, 66, 1717-1729.	1.8	18
57	Bulk and Confined Benzene-Cyclohexane Mixtures Studied by an Integrated Total Neutron Scattering and NMR Method. Topics in Catalysis, 2021, 64, 722-734.	2.2	8
58	Exploring lignin valorisation: the application of photocatalysis for the degradation of the β-5 linkage. JPhys Energy, 2021, 3, 035002.	2.9	16
59	Combined Experimental and Theoretical Study of the Competitive Absorption of CO2 and NO2 by a Superbase Ionic Liquid. ACS Sustainable Chemistry and Engineering, 2021, 9, 7578-7586.	5.3	19
60	Applications of Mechanochemistry for the Synthesis of DNA on Ionic Liquid Supports. Chemistry Methods, 2021, 1, 382-388.	2.1	7
61	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. ACS Applied Materials & Interfaces, 2021, 13, 32865-32875.	5.5	23
62	Atomically Dispersed Copper Sites in a Metal–Organic Framework for Reduction of Nitrogen Dioxide. Journal of the American Chemical Society, 2021, 143, 10977-10985.	11.7	144
63	Comparative study of the effect of TiO2 support composition and Pt loading on the performance of Pt/TiO2 photocatalysts for catalytic photoreforming of cellulose. International Journal of Hydrogen Energy, 2021, 46, 31054-31066.	6.6	42
64	Structured silicalite-1 encapsulated Ni catalyst supported on SiC foam for dry reforming of methane. AICHE Journal, 2021, 67, .	3.3	46
65	Near-Ambient Pressure XPS and NEXAFS Study of a Superbasic Ionic Liquid with CO2. Journal of Physical Chemistry C, 2021, 125, 22778-22785.	2.3	14
66	A Simple and Ligand-Free Synthesis of Light and Durable Metal-TiO2 Polymer Films with Enhanced Photocatalytic Properties. Advanced Materials Interfaces, 2021, 8, .	3.1	7
67	On developing ferrisilicate catalysts supported on silicon carbide (SiC) foam catalysts for continuous catalytic wet peroxide oxidation (CWPO) reactions. Catalysis Today, 2020, 356, 631-640.	3.8	25
68	Plasma-assisted catalytic dry reforming of methane (DRM) over metal-organic frameworks (MOFs)-based catalysts. Applied Catalysis B: Environmental, 2020, 260, 118195.	14.8	225
69	Nonthermal plasma (NTP) activated metal–organic frameworks (MOFs) catalyst for catalytic CO2 hydrogenation. AICHE Journal, 2020, 66, .	3.3	61
70	CO Poisoning of Ru Catalysts in CO2 Hydrogenation under Thermal and Plasma Conditions: A Combined Kinetic and Diffuse Reflectance Infrared Fourier Transform Spectroscopy–Mass Spectrometry Study. ACS Catalysis, 2020, 10, 12828-12840.	9.8	141
71	PtNi bimetallic structure supported on UiO-67 metal-organic framework (MOF) during CO oxidation. Journal of Catalysis, 2020, 391, 522-529.	4.4	12
72	Dehydrochlorination of PVC in multi-layered blisterpacks using ionic liquids. Green Chemistry, 2020, 22, 5132-5142.	7.6	43

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73	Industrial Applications of Ionic Liquids. Molecules, 2020, 25, 5207.	3.2	552
74	Structured Ni@NaA zeolite supported on silicon carbide foam catalysts for catalytic carbon dioxide methanation. AICHE Journal, 2020, 66, .	3.3	24
75	Kinetic Study of Nonthermal Plasma Activated Catalytic CO2 Hydrogenation over Ni Supported on Silica Catalyst. Industrial & Engineering Chemistry Research, 2020, 59, 9478-9487.	2.9	26
76	Scale-up of cluster beam deposition to the gram scale with the matrix assembly cluster source for heterogeneous catalysis (propylene combustion). AIP Advances, 2020, 10, .	1.0	13
77	Probing the dynamics and structure of confined benzene in MCM-41 based catalysts. Physical Chemistry Chemical Physics, 2020, 22, 11485-11489.	2.0	12
78	Recent advances in non-thermal plasma (NTP) catalysis towards C1 chemistry. Chinese Journal of Chemical Engineering, 2020, 28, 2010-2021.	2.7	64
79	Kinetics of Water Gas Shift Reaction on Au/CeZrO4: A Comparison Between Conventional Heating and Dielectric Barrier Discharge (DBD) Plasma Activation. Topics in Catalysis, 2020, 63, 363-369.	2.2	13
80	Systematic study of H2 production from catalytic photoreforming of cellulose over Pt catalysts supported on TiO2. Chinese Journal of Chemical Engineering, 2020, 28, 2084-2091.	2.7	26
81	Mechanistic study of non-thermal plasma assisted CO2 hydrogenation over Ru supported on MgAl layered double hydroxide. Applied Catalysis B: Environmental, 2020, 268, 118752.	14.8	173
82	Spatially-resolved investigation of the water inhibition of methane oxidation over palladium. Catalysis Science and Technology, 2020, 10, 1858-1874.	2.9	22
83	Hydrogenation of benzoic acid to benzyl alcohol over Pt/SnO2. Applied Catalysis A: General, 2020, 593, 117420.	3.6	26
84	A design of a fixed bed plasma DRIFTS cell for studying the NTP-assisted heterogeneously catalysed reactions. Catalysis Science and Technology, 2020, 10, 1458-1466.	2.9	30
85	Effect of metal dispersion and support structure of Ni/silicalite-1 catalysts on non-thermal plasma (NTP) activated CO2 hydrogenation. Applied Catalysis B: Environmental, 2020, 272, 119013.	14.8	75
86	Integration of Membrane Separation with Nonthermal Plasma Catalysis: A Proof-of-Concept for CO2 Capture and Utilization. Industrial & Engineering Chemistry Research, 2020, 59, 8202-8211.	2.9	31
87	Structured ZSM-5/SiC foam catalysts for bio-oils upgrading. Applied Catalysis A: General, 2020, 599, 117626.	3.6	30
88	SCILLs as selective catalysts for the oxidation of aromatic alcohols. Catalysis Today, 2019, 333, 140-146.	3.8	18
89	Two-Dimensional Covalent Crystals by Chemical Conversion of Thin van der Waals Materials. Nano Letters, 2019, 19, 6475-6481.	6.2	41
90	Investigation of the oxygen storage capacity behaviour of three way catalysts using spatio-temporal analysis. Applied Catalysis B: Environmental, 2019, 258, 117918.	14.8	22

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91	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. Angewandte Chemie, 2019, 131, 15610-15616.	0.9	15
92	HfN Nanoparticles: An Unexplored Catalyst for the Electrocatalytic Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 15464-15470.	11.6	38
93	Coupling non-thermal plasma with Ni catalysts supported on BETA zeolite for catalytic CO2 methanation. Catalysis Science and Technology, 2019, 9, 4135-4145.	2.9	109
94	Aldol Condensation of 5-Hydroxymethylfurfural to Fuel Precursor over Novel Aluminum Exchanged-DTP@ZIF-8. ACS Sustainable Chemistry and Engineering, 2019, 7, 16215-16224.	5.3	48
95	Aqueous-phase tandem catalytic conversion of xylose to furfuryl alcohol over [Al]-SBA-15 molecular sieves. Catalysis Science and Technology, 2019, 9, 5350-5358.	2.9	15
96	Structural selectivity of supported Pd nanoparticles for catalytic NH3 oxidation resolved using combined operando spectroscopy. Nature Catalysis, 2019, 2, 157-163.	32.0	142
97	Effects of surfactant on morphology, chemical properties and catalytic activity of hydroxyapatite. Journal of Solid State Chemistry, 2019, 276, 345-351.	2.4	46
98	Novelty of iron-exchanged heteropolyacid encapsulated inside ZIF-8 as an active and superior catalyst in the esterification of furfuryl alcohol and acetic acid. Reaction Chemistry and Engineering, 2019, 4, 1790-1802.	1.9	17
99	Self-Limiting Growth of Two-Dimensional Palladium between Graphene Oxide Layers. Nano Letters, 2019, 19, 4678-4683.	6.2	23
100	Kinetics of Hydrogenation of Acetic Acid over Supported Platinum Catalyst. Energy & Fuels, 2019, 33, 5551-5560.	4.3	16
101	Microwave-assisted catalyst-free hydrolysis of fibrous cellulose for deriving sugars and biochemicals. Frontiers of Chemical Science and Engineering, 2019, 13, 718-726.	3.3	21
102	Highly Selective and Solvent-Dependent Reduction of Nitrobenzene to N-Phenylhydroxylamine, Azoxybenzene, and Aniline Catalyzed by Phosphino-Modified Polymer Immobilized Ionic Liquid-Stabilized AuNPs. ACS Catalysis, 2019, 9, 4777-4791.	9.8	129
103	Catalytic Hydrogenation of Short Chain Carboxylic Acids Typical of Model Compound Found in Bio-Oils. Industrial & Engineering Chemistry Research, 2019, 58, 7998-8008.	2.9	21
104	Reversible Reaction of CO2 with Superbasic Ionic Liquid [P66614][benzim] Studied with in Situ Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 7134-7141.	2.3	7
105	Combined spatially resolved operando spectroscopy: New insights into kinetic oscillations of CO oxidation on Pd/γ-Al2O3. Journal of Catalysis, 2019, 373, 201-208.	4.4	29
106	Ionic liquid-based nanofluids (ionanofluids) for thermal applications: an experimental thermophysical characterization. Pure and Applied Chemistry, 2019, 91, 1309-1340.	0.9	42
107	Bakelite-type anionic microporous organic polymers with high capacity for selective adsorption of cationic dyes from water. Chemical Engineering Journal, 2019, 366, 404-414.	8.6	83
108	Investigating the Effect of NO on the Capture of CO2 Using Superbase Ionic Liquids for Flue Gas Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 3567-3574.	5.3	35

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109	Defects-healing of SAPO-34 membrane by post-synthesis modification using organosilica for selective CO2 separation. Journal of Membrane Science, 2019, 575, 80-88.	7.8	33
110	Sustaining metal–organic frameworks for water–gas shift catalysis by non-thermal plasma. Nature Catalysis, 2019, 2, 142-148.	32.0	202
111	Promoting effect of Au on Pd/TiO2 catalyst for the selective catalytic reduction of NOx by H2. Catalysis Today, 2019, 332, 69-75.	3.8	47
112	Confinement Effects on the Benzene Orientational Structure. Angewandte Chemie - International Edition, 2018, 57, 4565-4570.	11.6	26
113	Confinement Effects on the Benzene Orientational Structure. Angewandte Chemie, 2018, 130, 4655-4660.	0.9	5
114	A new insight into pure and water-saturated quaternary phosphonium-based carboxylate ionic liquids: Density, heat capacity, ionic conductivity, thermogravimetric analysis, thermal conductivity and viscosity. Journal of Chemical Thermodynamics, 2018, 121, 97-111.	2.0	70
115	Diffusion, Ion Pairing and Aggregation in 1-Ethyl-3-Methylimidazolium-Based Ionic Liquids Studied by 1H and 19F PFG NMR: Effect of Temperature, Anion and Glucose Dissolution. ChemPhysChem, 2018, 19, 1081-1088.	1.5	72
116	Effect of Mass Transport on the Electrochemical Oxidation of Alcohols Over Electrodeposited Film and Carbon-Supported Pt Electrodes. Topics in Catalysis, 2018, 61, 240-253.	2.2	50
117	Complex Oxides Based on Silver, Bismuth, and Tungsten: Syntheses, Characterization, and Photoelectrochemical Behavior. Journal of Physical Chemistry C, 2018, 122, 13473-13480.	2.3	11
118	Understanding the heat capacity enhancement in ionic liquid-based nanofluids (ionanofluids). Journal of Molecular Liquids, 2018, 253, 326-339.	3.9	60
119	Catalytic depolymerisation of suberin rich biomass with precious metal catalysts. Green Chemistry, 2018, 20, 2702-2705.	7.6	21
120	Effects of heat treatment atmosphere on the structure and activity of Pt3Sn nanoparticle electrocatalysts: a characterisation case study. Faraday Discussions, 2018, 208, 555-573.	2.6	17
121	Further development of the predictive models for physical properties of pure ionic liquids: Thermal conductivity and heat capacity. Journal of Chemical Thermodynamics, 2018, 118, 1-15.	2.0	51
122	Non-thermal-plasma-activated de-NO x catalysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170054.	1.6	29
123	Understanding the Competitive Gas Absorption of CO2 and SO2 in Superbase Ionic Liquids. Industrial & Engineering Chemistry Research, 2018, 57, 17033-17042.	2.9	42
124	Acyclic and Cyclic Alkyl and Ether-Functionalised Sulfonium Ionic Liquids Based on the [TFSI]– and [FSI]– Anions as Potential Electrolytes for Electrochemical Applications. ChemPhysChem, 2018, 19, 3226-3236.	1.5	20
125	Research Progress in the Selective Catalytic Reduction of NOx by H2 in the Presence of O2. Catalysis Surveys From Asia, 2018, 22, 146-155.	1.5	35
126	Unraveling the H2 Promotional Effect on Palladium-Catalyzed CO Oxidation Using a Combination of Temporally and Spatially Resolved Investigations. ACS Catalysis, 2018, 8, 8255-8262.	9.8	26

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127	Understanding the CO Oxidation on Pt Nanoparticles Supported on MOFs by Operando XPS. ChemCatChem, 2018, 10, 4238-4242.	2.7	55
128	An integrated total neutron scattering – NMR approach for the study of heterogeneous catalysis. Chemical Communications, 2018, 54, 10191-10194.	2.4	10
129	Insights into the mechanism of electrochemical ozone production via water splitting on the Ni and Sb doped SnO2 catalyst. Physical Chemistry Chemical Physics, 2017, 19, 3800-3806.	2.0	32
130	Liquid–Liquid Equilibria of Ionic Liquids–Water–Acetic Acid Mixtures. Journal of Chemical & Engineering Data, 2017, 62, 653-664.	1.8	32
131	Selective hydrogenation of acetylene over Cu(211), Ag(211) and Au(211): Horiuti–Polanyi mechanism vs. non-Horiuti–Polanyi mechanism. Catalysis Science and Technology, 2017, 7, 1508-1514.	2.9	52
132	Non-Thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water–Gas Shift Catalysis. Angewandte Chemie, 2017, 129, 5671-5675.	0.9	12
133	Non-Thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water–Gas Shift Catalysis. Angewandte Chemie - International Edition, 2017, 56, 5579-5583.	11.6	103
134	Probing the Role of a Non-Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie - International Edition, 2017, 56, 9351-9355.	11.6	81
135	Thermophysical and Electrochemical Properties of Ethereal Functionalised Cyclic Alkylammonium-based Ionic Liquids as Potential Electrolytes for Electrochemical Applications. ChemPhysChem, 2017, 18, 2040-2057.	1.5	45
136	Heterocyclic bismuth(iii) compounds with transannular N→Bi interactions as catalysts for the oxidation of thiophenol to diphenyldisulfide. Catalysis Science and Technology, 2017, 7, 5343-5353.	2.9	36
137	Using chiral ionic liquid additives to enhance asymmetric induction in a Diels–Alder reaction. Dalton Transactions, 2017, 46, 1704-1713.	2.3	11
138	Physical–Chemical Characterization of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis{(trifluoromethyl)sulfonyl}imide and Aliphatic Nitrile Solvents as Potential Electrolytes for Electrochemical Energy Storage Applications. Journal of Chemical & Engineering Data, 2017, 62, 376-390.	1.8	49
139	Influence of Fluorination on the Solubilities of Carbon Dioxide, Ethane, and Nitrogen in 1-n-Fluoro-alkyl-3-methylimidazolium Bis(n-fluoroalkylsulfonyl)amide Ionic Liquids. Journal of Physical Chemistry B, 2017, 121, 426-436.	2.0	63
140	Combined In Situ XAFS/DRIFTS Studies of the Evolution of Nanoparticle Structures from Molecular Precursors. Chemistry of Materials, 2017, 29, 7515-7523.	4.6	34
141	The Structure of Ethylbenzene, Styrene and Phenylacetylene Determined by Total Neutron Scattering. ChemPhysChem, 2017, 18, 2541-2548.	1.5	14
142	Probing the Role of a Non-Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie, 2017, 129, 9479-9483.	0.9	3
143	Physical and Electrochemical Investigations into Blended Electrolytes Containing a Glyme Solvent and Two Bis{(trifluoromethyl)sulfonyl}imide-Based Ionic Liquids. Journal of the Electrochemical Society, 2017, 164, H5124-H5134.	2.2	11
144	Impact of SCILL catalysts for the S–S coupling of thiols to disulfides. Faraday Discussions, 2017, 206, 535-547.	2.6	8

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145	Factors affecting bubble size in ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 14306-14318.	2.0	16
146	Neutron Scattering of Aromatic and Aliphatic Liquids. ChemPhysChem, 2016, 17, 2043-2055.	1.5	50
147	Determination of toluene hydrogenation kinetics with neutron diffraction. Physical Chemistry Chemical Physics, 2016, 18, 17237-17243.	2.0	9
148	A novel methodology for assessing the environmental sustainability of ionic liquids used for CO2 capture. Faraday Discussions, 2016, 192, 283-301.	2.6	70
149	Effect of cation structure on the oxygen solubility and diffusivity in a range of bis{(trifluoromethyl)sulfonyl}imide anion based ionic liquids for lithium–air battery electrolytes. Physical Chemistry Chemical Physics, 2016, 18, 11251-11262.	2.0	45
150	Techno-Economic Feasibility of Selective CO2 Capture Processes from Biogas Streams Using Ionic Liquids as Physical Absorbents. Energy & Fuels, 2016, 30, 5052-5064.	4.3	94
151	Biobutanol as Fuel for Direct Alcohol Fuel Cells—Investigation of Sn-Modified Pt Catalyst for Butanol Electro-oxidation. ACS Applied Materials & Interfaces, 2016, 8, 12859-12870.	5.5	59
152	Synthesis and Thermophysical Properties of Ether-Functionalized Sulfonium Ionic Liquids as Potential Electrolytes for Electrochemical Applications. ChemPhysChem, 2016, 17, 3992-4002.	1.5	36
153	H 2 production by the photocatalytic reforming of cellulose and raw biomass using Ni, Pd, Pt and Au on titania. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160054.	1.4	107
154	Combined EXAFS, XRD, DRIFTS, and DFT Study of Nano Copper-Based Catalysts for CO2 Hydrogenation. ACS Catalysis, 2016, 6, 5823-5833.	9.8	79
155	An ether-functionalised cyclic sulfonium based ionic liquid as an electrolyte for electrochemical double layer capacitors. Journal of Power Sources, 2016, 326, 549-559.	6.1	30
156	The use of binary mixtures of 1-butyl-1-methylpyrrolidinium bis{(trifluoromethyl)sulfonyl}imide and aliphatic nitrile solvents as electrolyte for supercapacitors. Electrochimica Acta, 2016, 220, 146-155.	4.1	49
157	Mercury capture on a supported chlorocuprate(ii) ionic liquid adsorbent studied using operando synchrotron X-ray absorption spectroscopy. Dalton Transactions, 2016, 45, 18946-18953.	2.3	14
158	Solubility study of tobramycin in room temperature ionic liquids: an experimental and computational based study. RSC Advances, 2016, 6, 107214-107218.	4.0	2
159	Continuous flow gas phase photoreforming of methanol at elevated reaction temperatures sensitised by Pt/TiO2. Reaction Chemistry and Engineering, 2016, 1, 649-657.	1.9	29
160	Catalysis making the world a better place. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, .	1.6	55
161	Effect of the Presence of MEA on the CO2 Capture Ability of Superbase Ionic Liquids. Journal of Chemical & Engineering Data, 2016, 61, 1092-1100.	1.8	34
162	Selective hydrogenation of halogenated arenes using porous manganese oxide (OMS-2) and platinum supported OMS-2 catalysts. Faraday Discussions, 2016, 188, 451-466.	2.6	26

#	Article	IF	Citations
163	Importance of surface carbide formation on the activity and selectivity of Pd surfaces in the selective hydrogenation of acetylene. Surface Science, 2016, 646, 45-49.	1.5	58
164	Assessing the effect of reducing agents on the selective catalytic reduction of NOx over Ag/Al2O3 catalysts. Catalysis Science and Technology, 2016, 6, 1661-1666.	2.9	34
165	(Invited) Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Bis{(trifluoromethyl)Sulfonyl}Imide and Aliphatic Nitrile Solvents As Electrolyte for Electrochemical Double Layer Capacitors. ECS Meeting Abstracts, 2016, MA2016-02, 960-960.	0.0	0
166	Reduction of Carbon Dioxide to Formate at Low Overpotential Using a Superbase Ionic Liquid. Angewandte Chemie, 2015, 127, 14370-14374.	0.9	43
167	Arene cis-Diol Dehydrogenase-Catalysed Regio- and Stereoselective Oxidation of Arene-, Cycloalkane- and Cycloalkene-cis-diols to Yield Catechols and Chiral α-Ketols. Advanced Synthesis and Catalysis, 2015, 357, 1881-1894.	2.5	9
168	Selective hydrogenation of fatty acids to alcohols over highly dispersed ReO /TiO2 catalyst. Journal of Catalysis, 2015, 328, 197-207.	4.4	102
169	Re-dispersion of gold supported on a ‘mixed’ oxide support. Journal of Lithic Studies, 2015, 1, 120-124.	1.0	4
170	Reduction of Carbon Dioxide to Formate at Low Overpotential Using a Superbase Ionic Liquid. Angewandte Chemie - International Edition, 2015, 54, 14164-14168.	11.6	163
171	Probing a Non-Thermal Plasma Activated Heterogeneously Catalyzed Reaction Using in Situ DRIFTS-MS. ACS Catalysis, 2015, 5, 956-964.	9.8	97
172	Naphthenic acid extraction and speciation from Doba crude oil using carbonate-based ionic liquids. Fuel, 2015, 146, 60-68.	5.8	33
173	One-Electron Reduction of 2-Nitrotoluene, Nitrocyclopentane, and 1-Nitrobutane in Room Temperature Ionic Liquids: A Comparative Study of Butler–Volmer and Symmetric Marcus–Hush Theories Using Microdisk Electrodes. Journal of Physical Chemistry C, 2015, 119, 3634-3647.	2.3	7
174	Mechanochemical preparation of Ag catalysts for the n-octane-SCR de-NOx reaction: Structural and reactivity effects. Catalysis Today, 2015, 246, 198-206.	3.8	14
175	Microelectrode Voltammetry of Dioxygen Reduction in a Phosphonium Cation-Based Room-Temperature Ionic Liquid: Quantitative Studies. Journal of Physical Chemistry C, 2015, 119, 2716-2726.	2.3	33
176	Direct oxidation of amines to nitriles in the presence of ruthenium-terpyridyl complex immobilized on ILs/SILP. Catalysis Science and Technology, 2015, 5, 2696-2704.	2.9	21
177	CO2capture and electrochemical conversion using superbasic [P66614][124Triz]. Faraday Discussions, 2015, 183, 389-400.	2.6	26
178	Development of a PtSn bimetallic catalyst for direct fuel cells using bio-butanol fuel. Chemical Communications, 2015, 51, 13412-13415.	2.4	10
179	CO2 Capture in Wet and Dry Superbase Ionic Liquids. Journal of Solution Chemistry, 2015, 44, 511-527.	0.9	64
180	Activity Enhancement of Tetrahexahedral Pd Nanocrystals by Bi Decoration towards Ethanol Electrooxidation in Alkaline Media. Electrochimica Acta, 2015, 162, 290-299.	4.1	14

#	Article	IF	Citations
181	Application of Asymmetric Marcus–Hush Theory to Voltammetry in Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2015, 119, 7360-7370.	2.3	17
182	Structure and dynamics of aqueous 2-propanol: a THz-TDS, NMR and neutron diffraction study. Physical Chemistry Chemical Physics, 2015, 17, 30481-30491.	2.0	36
183	The addition of CO2to four superbase ionic liquids: a DFT study. Physical Chemistry Chemical Physics, 2015, 17, 28674-28682.	2.0	26
184	Preliminary Investigation on the Electrochemical Activity of Butanol Isomers as Potential Fuel for Direct Alcohol Fuel Cell. ECS Transactions, 2015, 69, 809-816.	0.5	4
185	A kinetic analysis methodology to elucidate the roles of metal, support and solvent for the hydrogenation of 4-phenyl-2-butanone over Pt/TiO2. Journal of Catalysis, 2015, 330, 362-373.	4.4	14
186	Effect of solvent on the hydrogenation of 4-phenyl-2-butanone over Pt based catalysts. Journal of Catalysis, 2015, 330, 344-353.	4.4	54
187	Development of a diffuse reflectance infrared fourier transform spectroscopy (DRIFTS) cell for the in situ analysis of co-electrolysis in a solid oxide cell. Faraday Discussions, 2015, 182, 97-111.	2.6	20
188	Determining adsorbate configuration on alumina surfaces with 13C nuclear magnetic resonance relaxation time analysis. Physical Chemistry Chemical Physics, 2015, 17, 20830-20839.	2.0	9
189	Efficient and selective hydrogen peroxide-mediated oxidation of sulfides in batch and segmented and continuous flow using a peroxometalate-based polymer immobilised ionic liquid phase catalyst. Green Chemistry, 2015, 17, 1559-1571.	7.6	74
190	The effects of stepped sites and ruthenium adatom decoration on methanol dehydrogenation over platinum-based catalyst surfaces. Catalysis Today, 2015, 242, 230-239.	3.8	10
191	The origin of high activity but low CO2 selectivity on binary PtSn in the direct ethanol fuel cell. Physical Chemistry Chemical Physics, 2014, 16, 9432-9440.	2.0	59
192	An efficient Cu(ii)-bis(oxazoline)-based polymer immobilised ionic liquid phase catalyst for asymmetric carbon–carbon bond formation. Green Chemistry, 2014, 16, 1470-1479.	7.6	38
193	Understanding the Optimal Adsorption Energies for Catalyst Screening in Heterogeneous Catalysis. ACS Catalysis, 2014, 4, 182-186.	9.8	88
194	Mechanistic Study of 1,3-Butadiene Formation in Acetylene Hydrogenation over the Pd-Based Catalysts Using Density Functional Calculations. Journal of Physical Chemistry C, 2014, 118, 1560-1567.	2.3	78
195	Critical role of water in the direct oxidation of CO and hydrocarbons in diesel exhaust after treatment catalysis. Applied Catalysis B: Environmental, 2014, 147, 764-769.	14.8	47
196	Ambient Temperature Hydrocarbon Selective Catalytic Reduction of NOx Using Atmospheric Pressure Nonthermal Plasma Activation of a Ag/Al2O3 Catalyst. ACS Catalysis, 2014, 4, 666-673.	9.8	73
197	Expansion of pulse responses from temporal analysis of products (TAP) for more accurate data analysis. Catalysis Science and Technology, 2014, 4, 3665-3671.	2.9	6
198	Assessing the surface modifications following the mechanochemical preparation of a Ag/Al2O3 selective catalytic reduction catalyst. Catalysis Science and Technology, 2014, 4, 531-539.	2.9	53

#	Article	IF	Citations
199	The electrochemical reduction of 1-bromo-4-nitrobenzene at zinc electrodes in a room-temperature ionic liquid: a facile route for the formation of arylzinc compounds. Physical Chemistry Chemical Physics, 2014, 16, 4478.	2.0	10
200	Enhancement of whole cell dioxygenase biotransformations of haloarenes by toxic ionic liquids. RSC Advances, 2014, 4, 19916-19924.	4.0	10
201	Application of halohydrocarbons for the re-dispersion of gold particles. Catalysis Science and Technology, 2014, 4, 729.	2.9	29
202	Evaluation of an in situ spatial resolution instrument for fixed beds through the assessment of the invasiveness of probes and a comparison with a micro-kinetic model. Journal of Catalysis, 2014, 319, 239-246.	4.4	24
203	Significance of β-dehydrogenation in ethanol electro-oxidation on platinum doped with Ru, Rh, Pd, Os and Ir. Physical Chemistry Chemical Physics, 2014, 16, 13248-13254.	2.0	48
204	Inhibitory Effect of Phosphonium-Based Ionic Liquids on Coal Oxidation. Energy & Fuels, 2014, 28, 4333-4341.	4.3	39
205	Role of Water and Adsorbed Hydroxyls on Ethanol Electrochemistry on Pd: New Mechanism, Active Centers, and Energetics for Direct Ethanol Fuel Cell Running in Alkaline Medium. Journal of Physical Chemistry C, 2014, 118, 5762-5772.	2.3	81
206	Synthesis of α,β-unsaturated aldehydes and nitriles via cross-metathesis reactions using Grubbs' catalysts. Applied Catalysis A: General, 2014, 486, 94-104.	3.6	7
207	Origin of double dinitrogen release feature during fast switching between lean and rich cycles for NO storage reduction catalysts. Journal of Catalysis, 2014, 317, 91-98.	4.4	7
208	Selective Hydrogenation of Acetylene over Pd–Boron Catalysts: A Density Functional Theory Study. Journal of Physical Chemistry C, 2014, 118, 3664-3671.	2.3	61
209	Use of Short Time-on-Stream Attenuated Total Internal Reflection Infrared Spectroscopy To Probe Changes in Adsorption Geometry for Determination of Selectivity in the Hydrogenation of Citral. ACS Catalysis, 2014, 4, 2470-2478.	9.8	46
210	Investigating the promotional effect of methanol on the low temperature SCR reaction on Ag/Al2O3. Applied Catalysis B: Environmental, 2014, 160-161, 356-364.	14.8	23
211	The water–gas shift reaction over CeO2/CuO: Operando SSITKA–DRIFTS–mass spectrometry study of low temperature mechanism. International Journal of Hydrogen Energy, 2014, 39, 4095-4101.	6.6	35
212	Novel ruthenium–terpyridyl complex for direct oxidation of amines to nitriles. Catalysis Science and Technology, 2013, 3, 2646.	2.9	32
213	Controlling the Sulfur Poisoning of Ag/Al2O3 Catalysts for the Hydrocarbon SCR Reaction by Using a Regenerable SOx Trap. Topics in Catalysis, 2013, 56, 243-248.	2.2	2
214	An efficient and flexible synthesis of model lignin oligomers. Green Chemistry, 2013, 15, 3031.	7.6	62
215	In-Situ Monitoring of Solid Oxide Electrolysis Cells. ECS Transactions, 2013, 58, 207-216.	0.5	2
216	Time-Resolved DRIFTS, MS, and Resistance Study of SnO2 Materials: The Role of Surface Hydroxyl Groups in Formation of Donor States. Journal of Physical Chemistry C, 2013, 117, 4158-4167.	2.3	19

#	Article	IF	Citations
217	The electroreduction of benzoic acid: voltammetric observation of adsorbed hydrogen at a platinum microelectrode in room temperature ionic liquids. Physical Chemistry Chemical Physics, 2013, 15, 2031-2036.	2.0	23
218	Electrooxidation of methanol in an alkaline fuel cell: determination of the nature of the initial adsorbate. Physical Chemistry Chemical Physics, 2013, 15, 20170.	2.0	10
219	New methods in biomass depolymerisation: catalytic hydrogenolysis of barks. RSC Advances, 2013, 3, 21552.	4.0	22
220	The First Continuous Flow Hydrogenation of Amides to Amines. ChemCatChem, 2013, 5, 2843-2847.	2.7	56
221	WC@meso-Pt core–shell nanostructures for fuel cells. Chemical Communications, 2013, 49, 11677.	2.4	16
222	Probing chemistry and kinetics of reactions in heterogeneous catalysts. Chemical Science, 2013, 4, 3484.	5.3	22
223	A Comparative Study on the Thermophysical Properties for Two Bis[(trifluoromethyl)sulfonyl]imide-Based Ionic Liquids Containing the Trimethyl-Sulfonium or the Trimethyl-Ammonium Cation in Molecular Solvents. Journal of Physical Chemistry B, 2013, 117, 1389-1402.	2.0	44
224	An investigation of the role of surface nitrate species in the oxidation of propene on a Pt-based diesel oxidation catalyst. Catalysis Science and Technology, 2013, 3, 2349.	2.9	12
225	Chiral supported ionic liquid phase (CSILP) catalysts for greener asymmetric hydrogenation processes. Catalysis Today, 2013, 200, 63-73.	3.8	24
226	Pinning down the solid-state polymorphism of the ionic liquid [bmim][PF6]. Chemical Science, 2013, 4, 1270.	5.3	81
227	Are Alkyl Sulfate-Based Protic and Aprotic Ionic Liquids Stable with Water and Alcohols? A Thermodynamic Approach. Journal of Physical Chemistry B, 2013, 117, 1938-1949.	2.0	34
228	Selective Hydrogenation of α,β-Unsaturated Aldehydes and Ketones using Novel Manganese Oxide and Platinum Supported on Manganese Oxide Octahedral Molecular Sieves as Catalysts. ChemCatChem, 2013, 5, 506-512.	2.7	67
229	Combined studies of DFT atomistic modelling and in situ FTIR spectroscopy on surface oxidants and CO oxidation at Ru electrodes. Journal of Electroanalytical Chemistry, 2013, 688, 216-223.	3.3	12
230	Evaluation of a simple disposable microband electrode device for amperometric gas sensing. Sensors and Actuators B: Chemical, 2013, 188, 978-987.	6.3	20
231	Steam reforming of ethanol over Co3O4–Fe2O3 mixed oxides. International Journal of Hydrogen Energy, 2013, 38, 8263-8275.	6.6	47
232	An in situ spatially resolved analytical technique to simultaneously probe gas phase reactions and temperature within the packed bed of a plug flow reactor. Analyst, The, 2013, 138, 2858.	2.6	24
233	Changed reactivity of the 1-bromo-4-nitrobenzene radical anion in a room temperature ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 6382.	2.0	11
234	Removal of naphthenic acids from crude oil using amino acid ionic liquids. Fuel, 2013, 108, 715-722.	5.8	56

#	Article	IF	Citations
235	Using a Systematic Approach To Develop a Chemistry Course Introducing Students to Instrumental Analysis. Journal of Chemical Education, 2013, 90, 726-730.	1.7	7
236	Influence of surface structures, subsurface carbon and hydrogen, and surface alloying on the activity and selectivity of acetylene hydrogenation on Pd surfaces: A density functional theory study. Journal of Catalysis, 2013, 305, 264-276.	4.4	248
237	Using temporal analysis of products and flux response technology to determine diffusion coefficients in catalytic monoliths. Chemical Engineering Science, 2013, 87, 224-233.	3.8	10
238	High energy resolution fluorescence detection XANES – an in situ method to study the interaction of adsorbed molecules with metal catalysts in the liquid phase. Catalysis Science and Technology, 2013, 3, 1497.	2.9	24
239	Application of heterogeneous catalysts prepared by mechanochemical synthesis. Chemical Society Reviews, 2013, 42, 7701.	32.1	222
240	Pressure effect on vibrational frequency and dephasing of 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids. Journal of Chemical Physics, 2013, 139, .	2.2	15
241	Thermal Conductivity of [C<I>_n</I>mim][(CF₃SO₂)<SUB>2</SUB and [C₄mim][BF₄] IoNanofluids with Carbon Nanotubes—Measurement, Theory and Structural Characterization. Journal of Nanofluids, 2013, 2, 55-62.	1.3	46
242	Nucleoside phosphitylation using ionic liquid stabilised phosphorodiamidites and mechanochemistry. Chemical Communications, 2012, 48, 11969.	2.4	15
243	The use of Short Time on Stream (STOS) transient kinetics to investigate the role of hydrogen in enhancing NOx reduction over silver catalysts. Journal of Catalysis, 2012, 295, 223-231.	4.4	14
244	TAP studies on 2% Ag/γ–Al2O3 catalyst for selective reduction of oxygen in a H2-rich ethylene feed. Catalysis Science and Technology, 2012, 2, 2128.	2.9	8
245	An in situ spatially resolved method to probe gas phase reactions through a fixed bed catalyst. Catalysis Science and Technology, 2012, 2, 1811.	2.9	27
246	A simultaneous voltammetric temperature and humidity sensor. Analyst, The, 2012, 137, 4951.	2.6	15
247	Selective hydrogenation of acetylene in ethylene rich feed streams at high pressure over ligand modified Pd/TiO2. Catalysis Science and Technology, 2012, 2, 632.	2.9	62
248	A more direct way to make catalysts: one-pot ligand-assisted aerobic stripping and electrodeposition of copper on graphite. Green Chemistry, 2012, 14, 1643.	7.6	3
249	Acetaldehyde Production in the Direct Ethanol Fuel Cell: Mechanistic Elucidation by Density Functional Theory. Journal of Physical Chemistry C, 2012, 116, 7185-7188.	2.3	18
250	Density Functional Theory Study on the Cleavage Mechanism of the Carbonyl Bond in Amides on Flat and Stepped Ru Surfaces: Hydrogen-Induced or Direct C–O Bond Breaking?. Journal of Physical Chemistry C, 2012, 116, 18713-18721.	2.3	11
251	Redispersion of Gold Supported on Oxides. ACS Catalysis, 2012, 2, 552-560.	9.8	78
252	Three–Dimensional Water Vapor Visualization in Porous Packing by Near-Infrared Diffuse Transmittance Tomography. Industrial & Engineering Chemistry Research, 2012, 51, 8875-8882.	2.9	8

#	Article	IF	Citations
253	Controlling chlorination versus cyclosulfonation of cis-diols using ionic liquid solvents. New Journal of Chemistry, 2012, 36, 2316.	1.9	4
254	Oxidative dehydrogenation of propane with N2O over Fe-ZSM-5 and Fe–SiO2: Influence of the iron species and acid sites. Applied Catalysis A: General, 2012, 441-442, 30-41.	3.6	56
255	Phase Equilibria of Binary and Ternary Systems Containing ILs, Dodecane, and Cyclohexanecarboxylic Acid. Separation Science and Technology, 2012, 47, 312-324.	1.8	14
256	Facile in situ synthesis of nanofluids based on ionic liquids and copper oxide clusters and nanoparticles. Dalton Transactions, 2012, 41, 219-227.	2.3	151
257	An efficient recyclable peroxometalate-based polymer-immobilised ionic liquid phase (PIILP) catalyst for hydrogen peroxide-mediated oxidation. Green Chemistry, 2012, 14, 925.	7.6	56
258	Tetrahexahedral Pt Nanocrystal Catalysts Decorated with Ru Adatoms and Their Enhanced Activity in Methanol Electrooxidation. ACS Catalysis, 2012, 2, 708-715.	9.8	80
259	Enhancing the activity and tuning the mechanism of formic acid oxidation at tetrahexahedral Pt nanocrystals by Au decoration. Physical Chemistry Chemical Physics, 2012, 14, 16415.	2.0	41
260	Origin of the Increase of Activity and Selectivity of Nickel Doped by Au, Ag, and Cu for Acetylene Hydrogenation. ACS Catalysis, 2012, 2, 1027-1032.	9.8	189
261	Tuning solute redox potentials by varying the anion component of room temperature ionic liquids. Chemical Communications, 2012, 48, 5784.	2.4	17
262	Exploiting the use of ionic liquids to access phosphorodiamidites. RSC Advances, 2012, 2, 2988.	4.0	11
263	The potential of electron beam radiation for simultaneous surface modification and bioresorption control of PLLA. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2223-2229.	2.8	18
264	Origin of Low CO2 Selectivity on Platinum in the Direct Ethanol Fuel Cell. Angewandte Chemie, 2012, 124, 1604-1607.	0.9	8
265	Phase Behaviour, Interactions, and Structural Studies of (Amines+Ionic Liquids) Binary Mixtures. ChemPhysChem, 2012, 13, 1825-1835.	1.5	23
266	Investigation of the effect of the preparation method on the activity and stability of Au/CeZrO4 catalysts for the low temperature water gas shift reaction. Catalysis Today, 2012, 180, 131-138.	3.8	31
267	Transient distributions of composition and temperature in a gas–solid packed bed reactor by near-infrared tomography. Chemical Engineering Journal, 2012, 189-190, 383-392.	8.6	9
268	Regeneration mechanism of a Lean NOx Trap (LNT) catalyst in the presence of NO investigated using isotope labelling techniques. Journal of Catalysis, 2012, 285, 177-186.	4.4	36
269	The effect of various treatment conditions on natural zeolites: Ion exchange, acidic, thermal and steam treatments. Journal of Colloid and Interface Science, 2012, 372, 130-140.	7.9	150
270	Origin of Low CO2 Selectivity on Platinum in the Direct Ethanol Fuel Cell. Angewandte Chemie - International Edition, 2012, 51, 1572-1575.	11.6	154

#	Article	IF	Citations
271	Determination of the Physical Properties of Room Temperature Ionic Liquids Using a Love Wave Device. Analytical Chemistry, 2011, 83, 6717-6721.	5.2	9
272	Correction for a possible reversible adsorption over an “inert” material. Catalysis Science and Technology, 2011, 1, 760.	2.9	9
273	Time of flight mass spectrometry for quantitative data analysis in fast transient studies using a Temporal Analysis of Products (TAP) reactor. Analyst, The, 2011, 136, 155-163.	2.6	12
274	Evaluation of Pt and Re oxidation state in a pressurized reactor: difference in reduction between gas and liquid phase. Chemical Communications, 2011, 47, 6590.	2.4	27
275	Effect of hydrophobic nanopatches within an ionic surface on the structure of liquids. Physical Chemistry Chemical Physics, 2011, 13, 582-585.	2.0	0
276	Neutron diffraction, NMR and molecular dynamics study of glucose dissolved in the ionic liquid 1-ethyl-3-methylimidazolium acetate. Chemical Science, 2011, 2, 1594.	5.3	130
277	Low-Temperature Selective Catalytic Reduction (SCR) of NOx with n-Octane Using Solvent-Free Mechanochemically Prepared Ag/Al2O3 Catalysts. ACS Catalysis, 2011, 1, 1257-1262.	9.8	59
278	TAP studies of ammonia decomposition over Ru and Ir catalysts. Physical Chemistry Chemical Physics, 2011, 13, 12892.	2.0	72
279	Electrochemistry of Hg(II) Salts in Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2011, 115, 2574-2581.	2.0	2
280	Overcoming hydrolytic sensitivity and low solubility of phosphitylation reagents by combining ionic liquids with mechanochemistry. Chemical Communications, 2011, 47, 5846.	2.4	41
281	Electrochemistry of Sulfur and Polysulfides in Ionic Liquids. Journal of Physical Chemistry B, 2011, 115, 13873-13879.	2.0	165
282	New insight into mechanisms in water-gas-shift reaction on Au/CeO2(111): A density functional theory and kinetic study. Faraday Discussions, 2011, 152, 121.	2.6	93
283	Reaction Mechanisms of Crotonaldehyde Hydrogenation on Pt(111): Density Functional Theory and Microkinetic Modeling. Journal of Physical Chemistry C, 2011, 115, 19819-19827.	2.3	39
284	High-surface thermally stable mesoporous gallium phosphates constituted by nanoparticles as primary building blocks. Journal of Catalysis, 2011, 278, 111-122.	4.4	4
285	The use of short time-on-stream in situ spectroscopic transient kinetic isotope techniques to investigate the mechanism of hydrocarbon selective catalytic reduction (HC-SCR) of NO at low temperatures. Journal of Catalysis, 2011, 281, 98-105.	4.4	64
286	Catalytic hydrogenation of tertiary amides at low temperatures and pressures using bimetallic Pt/Re-based catalysts. Journal of Catalysis, 2011, 283, 89-97.	4.4	117
287	Abatement of nitrous oxide over natural and iron modified natural zeolites. Applied Catalysis A: General, 2011, 407, 67-75.	3.6	27
288	Dimerisation of cyclooctene using Grubbs’ catalysts. Applied Catalysis A: General, 2011, 408, 54-62.	3.6	12

#	Article	IF	Citations
289	Visualization of water vapour flow in a packed bed adsorber by near-infrared diffused transmittance tomography. Chemical Engineering Science, 2011, 66, 6407-6423.	3.8	14
290	Activation of Alkanes by Gold-Modified Lanthanum Oxide. ChemCatChem, 2011, 3, 394-398.	2.7	17
291	Friedel–Crafts Alkylation of Aromatics with Benzyl Alcohol over Gold-Modified Silica. ChemCatChem, 2011, 3, 119-121.	2.7	23
292	Asymmetric Carbon-Carbon Bond Forming Reactions Catalysed by Metal(II) Bis(oxazoline) Complexes Immobilized using Supported Ionic Liquids. Advanced Synthesis and Catalysis, 2011, 353, 995-1004.	2.5	26
293	Cycloalkenyl Halide Substitution Reactions of Enantiopure Arene cis-Tetrahydrodiols with Boron, Nitrogen and Phosphorus Nucleophiles. Advanced Synthesis and Catalysis, 2011, 353, 2455-2465.	2.5	8
294	Influence of Methyl Halide Treatment on Gold Nanoparticles Supported on Activated Carbon. Angewandte Chemie, 2011, 123, 9074-9078.	0.9	13
295	Influence of Methyl Halide Treatment on Gold Nanoparticles Supported on Activated Carbon. Angewandte Chemie - International Edition, 2011, 50, 8912-8916.	11.6	72
296	Aromatic hydrocarbons and sulfur based catalyst deactivation for selective catalytic reduction of NOx. Catalysis Today, 2011, 164, 515-519.	3.8	14
297	Nano-structural investigation of Ag/Al2O3 catalyst for selective removal of O2 with excess H2 in the presence of C2H4. Applied Catalysis A: General, 2011, 391, 187-193.	3.6	23
298	In situ study of ozone and hybrid plasma Ag–Al catalysts for the oxidation of toluene: Evidence of the nature of the active sites. Applied Catalysis B: Environmental, 2011, 104, 84-90.	14.8	58
299	Volumetric properties and enthalpies of solution of alcohols C H2+1OH (k= 1, 2, 6) in 1-methyl-3-alkylimidazolium bis(trifluoromethylsulfonyl)imide {[C1C Im][NTf2] n= 2, 4, 6, 8, 10} ionic liquids. Journal of Chemical Thermodynamics, 2011, 43, 1708-1718.	2.0	33
300	The electrochemical reduction of the purines guanine and adenine at platinum electrodes in several room temperature ionic liquids. Analytica Chimica Acta, 2010, 659, 115-121.	4.4	35
301	The effect of reaction conditions on the stability of Au/CeZrO4 catalysts in the low-temperature water–gas shift reaction. Journal of Catalysis, 2010, 273, 257-265.	4.4	59
302	TAP studies of CO oxidation over CuMnO and Au/CuMnO catalysts. Journal of Catalysis, 2010, 276, 38-48.	4.4	57
303	Investigating the mechanism of the H2-assisted selective catalytic reduction (SCR) of NOx with octane using fast cycling transient in situ DRIFTS-MS analysis. Journal of Catalysis, 2010, 276, 49-55.	4.4	54
304	Synthesis and Reactions of Enantiopure Substituted Benzene cis-Hexahydro-1,2-diols. Advanced Synthesis and Catalysis, 2010, 352, 855-868.	2.5	15
305	Microwave Irradiation for the Facile Synthesis of Transition-Metal Nanoparticles (NPs) in Ionic Liquids (ILs) from Metal–Carbonyl Precursors and Ru-, Rh-, and Ir-NP/IL Dispersions as Biphasic Liquid–Liquid Hydrogenation Nanocatalysts for Cyclohexene. Chemistry - A European Journal, 2010, 16, 3849-3858.	2.4	196
306	The electrochemical oxidation of catechol and dopamine on platinum in 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([C2mim][NTf2]) and 1-Butyl-3-methylimidazolium tetrafluoroborate ([C4mim][BF4]): Adsorption effects in ionic liquid voltammetry. Journal of Electroanalytical Chemistry, 2010, 646, 11-17.	3.3	27

#	Article	IF	Citations
307	Interfacial tensions of imidazolium-based ionic liquids with water and n-alkanes. Fluid Phase Equilibria, 2010, 294, 139-147.	2.1	63
308	Controlled Chemistry of Moisture Sensitive Reagents in Ionic Liquids. ECS Meeting Abstracts, 2010, MA2010-02, 2132-2132.	0.0	0
309	Structural Study of Lanthanide(III) Bistriflamides, Ln(NTf2)3. ECS Meeting Abstracts, 2010, MA2010-02, 2198-2198.	0.0	0
310	Selecting Room-Temperature Ionic Liquids to Optimize Voltammetric Responses: The Oxidation of NADH. Journal of the Electrochemical Society, 2010, 157, F49.	2.2	5
311	(Invited) Controlled Chemistry of Moisture Sensitive Reagents in Ionic Liquids. ECS Transactions, 2010, 33, 63-72.	0.5	1
312	A Neutron Diffraction and Molecular Dynamics Investigation of Acetate-Based Ionic Liquids as Solvents for Glucose. ECS Transactions, 2010, 33, 611-620.	0.5	0
313	Small volume laboratory on a chip measurements incorporating the quartz crystal microbalance to measure the viscosity-density product of room temperature ionic liquids. Biomicrofluidics, 2010, 4, .	1.6	20
314	Small angle neutron scattering from 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids ([Cnmim][PF6], n=4, 6, and 8). Journal of Chemical Physics, 2010, 133, .	2.2	281
315	Structure and Dynamics of 1-Ethyl-3-methylimidazolium Acetate via Molecular Dynamics and Neutron Diffraction. Journal of Physical Chemistry B, 2010, 114, 7760-7768.	2.0	121
316	Pretreatment Effect on Pt/CeO2 Catalyst in the Selective Hydrodechlorination of Trichloroethylene. Journal of Physical Chemistry C, 2010, 114, 17675-17682.	2.3	37
317	Thermophysical Properties of Amino Acid-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2010, 55, 1505-1515.	1.8	130
318	Thermal Properties of Ionic Liquids and IoNanofluids of Imidazolium and Pyrrolidinium Liquids. Journal of Chemical & Engineering Data, 2010, 55, 653-661.	1.8	234
319	Highly selective and efficient hydrogenation of carboxylic acids to alcohols using titania supported Pt catalysts. Chemical Communications, 2010, 46, 6279.	2.4	206
320	Solid and liquid charge-transfer complex formation between 1-methylnaphthalene and 1-alkyl-cyanopyridinium bis{(trifluoromethyl)sulfonyl}imide ionic liquids. Physical Chemistry Chemical Physics, 2010, 12, 1842.	2.0	41
321	DRIFTS/MS/Isotopic Labeling Study on the NO-Moderated Decomposition of a Silica-Supported Nickel Nitrate Catalyst Precursor. Journal of Physical Chemistry C, 2010, 114, 7839-7845.	2.3	21
322	Functionalised ionic liquids: synthesis of ionic liquids with tethered basic groups and their use in Heck and Knoevenagel reactions. New Journal of Chemistry, 2010, 34, 723.	1.9	68
323	Speciation of chloroindate(iii) ionic liquids. Dalton Transactions, 2010, 39, 8679.	2.3	48
324	Interaction of water, hydrogen and their mixtures with SnO2 based materials: the role of surface hydroxyl groups in detection mechanisms. Physical Chemistry Chemical Physics, 2010, 12, 2639.	2.0	99

#	Article	IF	Citations
325	SpaciMS: spatial and temporal operando resolution of reactions within catalytic monoliths. Analyst, The, 2010, 135, 2260.	2.6	72
326	Thermal conductivity measurement of liquids in a microfluidic device. Microfluidics and Nanofluidics, 2010, 10, 123-132.	2.1	11
327	Electrochemical Studies of Sulfur and Selenium in Room-Temperature Ionic Liquids. ECS Meeting Abstracts, 2010, MA2010-02, 23-23.	0.0	0
328	A Neutron Diffraction and Molecular Dynamics Investigation of Acetate-Based Ionic Liquids as Solvents for Glucose. ECS Meeting Abstracts, 2010, MA2010-02, 2205-2205.	0.0	0
329	Temperature Dependence of the Primary Relaxation in 1-Hexyl-3-methylimidazolium bis{(trifluoromethyl)sulfonyl}imide. Journal of Physical Chemistry B, 2009, 113, 8469-8474.	2.0	80
330	Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluorides—Evidences of the nature of the active site and catalytic performances. Journal of Catalysis, 2009, 263, 56-66.	4.4	107
331	Deactivation and regeneration of ruthenium on silica in the liquid-phase hydrogenation of butan-2-one. Journal of Catalysis, 2009, 265, 80-88.	4.4	48
332	Multiple Evidence for Gold(I)···Silver(I) Interactions in Solution. Chemistry - A European Journal, 2009, 15, 6222-6233.	2.4	37
333	1,2-Cyclic sulfite and sulfate furanoside diesters: improved syntheses and stability. Tetrahedron, 2009, 65, 6341-6347.	1.4	19
334	Reactivity of 1,2-cyclic sulfite xylosides towards nucleophiles. Tetrahedron, 2009, 65, 8858-8862.	1.4	5
335	Development of a QSPR correlation for the parachor of 1,3-dialkyl imidazolium based ionic liquids. Fluid Phase Equilibria, 2009, 283, 31-37.	2.1	19
336	Measuring the solubility of benzoic acid in room temperature ionic liquids using chronoamperometric techniques. Journal of Physical Organic Chemistry, 2009, 22, 69-76.	1.4	10
337	Liquid densities, heat capacities, refractive index and excess quantities for {protic ionic liquids + water} binary system. Journal of Chemical Thermodynamics, 2009, 41, 799-808.	2.0	92
338	Liquid–liquid miscibility and volumetric properties of aqueous solutions of ionic liquids as a function of temperature. Journal of Chemical Thermodynamics, 2009, 41, 1206-1214.	2.0	70
339	Dissolved Argon Changes the Rate of Diffusion in Room Temperature Ionic Liquids: Effect of the Presence and Absence of Argon and Nitrogen on the Voltammetry of Ferrocene. Journal of Physical Chemistry C, 2009, 113, 7750-7754.	2.3	50
340	Thermochemistry of Ionic Liquid Catalyzed Reactions. Experimental and Theoretical Study of Chemical Equilibria of Izomerization and Transalkylation of tert-Amylbenzenes. Journal of Physical Chemistry B, 2009, 113, 12704-12710.	2.0	14
341	Liquid Structure and Dynamics of Aqueous Isopropanol over γ-Alumina. Journal of Physical Chemistry C, 2009, 113, 21342-21352.	2.3	16
342	Increased Dispersion of Supported Gold during Methanol Carbonylation Conditions. Journal of the American Chemical Society, 2009, 131, 6973-6975.	11.7	85

#	Article	IF	Citations
343	Characterization of silica-supported dodecatungstic heteropolyacids as a function of their dehydroxylation temperature. Dalton Transactions, 2009, , 2235.	2.3	59
344	Selective synthesis of chlorophosphoramidites using ionic liquids. Green Chemistry, 2009, 11, 1391.	7.6	18
345	Green photochemistry: photo-Friedel–Crafts acylations of 1,4-naphthoquinone in room temperature ionic liquids. Green Chemistry, 2009, 11, 1867.	7.6	26
346	Voltammetric Currents in Room Temperature Ionic Liquids Can Reflect Solutes Other Than the Electroactive Species and Are Influenced by Carbon Dioxide. Journal of Physical Chemistry B, 2009, 113, 2805-2809.	2.0	35
347	Evaluation of Gas Solubility Prediction in Ionic Liquids using COSMOthermX. Journal of Chemical & Engineering Data, 2009, 54, 2005-2022.	1.8	105
348	Gold imidazolium-based ionic liquids, efficient catalysts for cycloisomerization of γ-acetylenic carboxylic acids. New Journal of Chemistry, 2009, 33, 102-106.	1.9	32
349	The Reduction of Oxygen in Various Room Temperature Ionic Liquids in the Temperature Range 293–318 K: Exploring the Applicability of the Stokes–Einstein Relationship in Room Temperature Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 8953-8959.	2.0	124
350	Electrochemistry in Room-Temperature Ionic Liquids: Potential Windows at Mercury Electrodes. Journal of Chemical & Engineering Data, 2009, 54, 2049-2053.	1.8	97
351	Electrochemical Oxidation of Hydrogen Sulfide at Platinum Electrodes in Room Temperature Ionic Liquids: Evidence for Significant Accumulation of H2S at the Pt/1-Butyl-3-methylimidazolium Trifluoromethylsulfonate Interface. Journal of Physical Chemistry C, 2009, 113, 10997-11002.	2.3	25
352	Thermochemistry of Ionic Liquid-Catalyzed Reactions: Theoretical and Experimental Study of the Beckmann Rearrangement—Kinetic or Thermodynamic Control?†. Industrial & Engineering Chemistry Research, 2009, 48, 9809-9816.	2.9	18
353	Investigating the Mechanism and Electrode Kinetics of the Oxygen|Superoxide (O2|O2•−) Couple in Various Room-Temperature Ionic Liquids at Gold and Platinum Electrodes in the Temperature Range 298–318 K. Journal of Physical Chemistry C, 2009, 113, 17811-17823.	2.3	96
354	SO2 Saturation of the Room Temperature Ionic Liquid [C2mim][NTf2] Much Reduces the Activation Energy for Diffusion. Journal of Physical Chemistry B, 2009, 113, 1007-1011.	2.0	32
355	Remarkable stability of ionic gold supported on sulfated lanthanum oxide. Chemical Communications, 2009, , 4889.	2.4	22
356	Evaluation of a Microfluidic Device for the Electrochemical Determination of Halide Content in Ionic Liquids. Analytical Chemistry, 2009, 81, 1628-1637.	5.2	28
357	Using Room Temperature Ionic Liquids as Solvents to Probe Structural Effects in Electro-Reduction Processes. Electrochemical Behavior of Mutagenic Disperse Nitroazo Dyes in Room Temperature Ionic Liquids. International Journal of Electrochemical Science, 2009, 4, 1607-1627.	2.6	9
358	The electrochemical oxidation of hydrogen at activated platinum electrodes in room temperature ionic liquids as solvents. Journal of Electroanalytical Chemistry, 2008, 618, 53-60.	3.3	89
359	Rheological and heat transfer behaviour of the ionic liquid, [C4mim][NTf2]. International Journal of Heat and Fluid Flow, 2008, 29, 149-155.	3.0	76
360	Supported and liquid phase task specific ionic liquids for base catalysed Knoevenagel reactions. Journal of Molecular Catalysis A, 2008, 279, 248.	4.2	4

#	Article	IF	Citations
361	Application of Static Charge Transfer within an Ionic-Liquid Force Field and Its Effect on Structure and Dynamics. ChemPhysChem, 2008, 9, 1548-1558.	1.5	207
362	Electrochemical Determination of Manganese Solubility in Mercury via Amalgamation and Stripping in the Room Temperature Ionic Liquid n-Hexyltriethylammonium Bis(trifluoromethanesulfonyl)imide, [N6,2,2,2][NTf2]. Electroanalysis, 2008, 20, 2603-2607.	1.8	2
363	Efficient Heterogeneous Asymmetric Catalysis of the Mukaiyama Aldol Reaction by Silica- and Ionic Liquid-Supported Lewis Acid Copper(II) Complexes of Bis(oxazolines). Advanced Synthesis and Catalysis, 2008, 350, 295-302.	2.5	62
364	Ionic Liquid Effect on the Reversal of Configuration for the Magnesium(II) and Copper(II) Bis(oxazoline)-Catalysed Enantioselective Diels–Alder Reaction. Advanced Synthesis and Catalysis, 2008, 350, 2473-2476.	2.5	21
365	Effect of the carburization of MoO3-based catalysts on the activity for butane hydroisomerization. Applied Catalysis A: General, 2008, 344, 30-35.	3.6	27
366	Insight into the key aspects of the regeneration process in the NO storage reduction (NSR) reaction probed using fast transient kinetics coupled with isotopically labelled 15NO over Pt and Rh-containing Ba/Al2O3 catalysts. Applied Catalysis B: Environmental, 2008, 81, 150-159.	14.8	59
367	Acylation of sulfonamines using silica grafted 1-butyl-3-(3-triethoxysilylpropyl)-4,5-dihydroimidazolium ionic liquids as catalysts. Catalysis Today, 2008, 131, 98-103.	3.8	8
368	Negative apparent kinetic order in steady-state kinetics of the water-gas shift reaction over a Pt–CeO2 catalyst. Catalysis Today, 2008, 138, 216-221.	3.8	15
369	Hydrogenation/hydrogenolysis of disulfides using sulfided Ni/Mo catalysts. Applied Catalysis A: General, 2008, 340, 162-168.	3.6	12
370	Ion Association in [bmim][PF6]/Naphthalene Mixtures: An Experimental and Computational Study. Journal of the American Chemical Society, 2008, 130, 7032-7041.	11.7	76
371	CO multipulse TAP studies of 2% Pt/CeO2 catalyst: Influence of catalyst pretreatment and temperature on the number of active sites observed. Journal of Catalysis, 2008, 253, 303-311.	4.4	44
372	Extraction of Electrode Kinetic Parameters from Microdisc Voltammetric Data Measured under Transport Conditions Intermediate between Steady-State Convergent and Transient Linear Diffusion As Typically Applies to Room Temperature Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 7560-7565.	2.0	49
373	Prediction of Ionic Liquid Properties. II. Volumetric Properties as a Function of Temperature and Pressure. Journal of Chemical & Engineering Data, 2008, 53, 2133-2143.	1.8	147
374	Voltammetric Characterization of the Ferrocene|Ferrocenium and Cobaltocenium|Cobaltocene Redox Couples in RTILs. Journal of Physical Chemistry C, 2008, 112, 2729-2735.	2.3	238
375	Solvent-modulated reactivity of PCl3 with amines. Green Chemistry, 2008, 10, 660.	7.6	28
376	Heat Capacities of Ionic Liquids as a Function of Temperature at 0.1 MPa. Measurement and Prediction. Journal of Chemical & Engineering Data, 2008, 53, 2148-2153.	1.8	190
377	Preparation of AgX (X = Cl, I) nanoparticles using ionic liquids. Nanotechnology, 2008, 19, 105603.	1.9	38
378	Friedel–Crafts Benzoylation of Anisole in Ionic Liquids: Catalysis, Separation, and Recycle Studies. Organic Process Research and Development, 2008, 12, 1156-1163.	2.1	20

#	Article	IF	Citations
379	Effect of Water on the Electrochemical Window and Potential Limits of Room-Temperature Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 2884-2891.	1.8	535
380	Ionic liquid characteristics of 1-alkyl-n-cyanopyridinium and 1-alkyl-n-(trifluoromethyl)pyridinium salts. New Journal of Chemistry, 2008, 32, 1953.	1.9	31
381	Electrooxidation of the Iodides [C4mim]I, LiI, NaI, KI, RbI, and CsI in the Room Temperature Ionic Liquid [C4mim][NTf2]. Journal of Physical Chemistry C, 2008, 112, 6551-6557.	2.3	58
382	Oxidation of Several p-Phenylenediamines in Room Temperature Ionic Liquids: Estimation of Transport and Electrode Kinetic Parameters. Journal of Physical Chemistry C, 2008, 112, 6993-7000.	2.3	34
383	Prediction of Ionic Liquid Properties. I. Volumetric Properties as a Function of Temperature at 0.1 MPa. Journal of Chemical & Engineering Data, 2008, 53, 716-726.	1.8	247
384	Electroreduction of Sulfur Dioxide in Some Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2008, 112, 3398-3404.	2.3	50
385	Unusual Voltammetry of the Reduction of O2 in [C4dmim][N(Tf)2] Reveals a Strong Interaction of O2•– with the [C4dmim]+ Cation. Journal of Physical Chemistry C, 2008, 112, 13709-13715.	2.3	88
386	The Electrochemical Reduction of Hydrogen Sulfide on Platinum in Several Room Temperature Ionic Liquids. Journal of Physical Chemistry C, 2008, 112, 7725-7730.	2.3	48
387	Electrochemical Reduction of Benzoic Acid and Substituted Benzoic Acids in Some Room Temperature Ionic Liquids. Journal of Physical Chemistry C, 2008, 112, 12966-12973.	2.3	40
388	Electroreduction of Chlorine Gas at Platinum Electrodes in Several Room Temperature Ionic Liquids: Evidence of Strong Adsorption on the Electrode Surface Revealed by Unusual Voltammetry in Which Currents Decrease with Increasing Voltage Scan Rates. Journal of Physical Chemistry C, 2008, 112, 19477-19483.	2.3	28
389	Behavior of the Heterogeneous Electron-Transfer Rate Constants of Arenes and Substituted Anthracenes in Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2008, 112, 1650-1657.	2.3	39
390	Formation of Ammonia during the NO–H2 Reaction over Pt/ZrO2. Journal of Physical Chemistry C, 2008, 112, 18157-18163.	2.3	20
391	Liquid Structure of the Ionic Liquid, 1-Methyl-4-cyanopyridinium Bis{(trifluoromethyl)sulfonyl}imide Determined from Neutron Scattering and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2008, 112, 8049-8056.	2.0	48
392	Electrode Kinetics and Mechanism of Iodine Reduction in the Room-Temperature Ionic Liquid [C4mim][NTf2]. Journal of Physical Chemistry C, 2008, 112, 10976-10981.	2.3	37
393	Thermochemistry of Ionic Liquid-Catalyzed Reactions. Experimental and Theoretical Study of Chemical Equilibria of Isomerization and Transalkylation of tert-Butylbenzenes. Journal of Physical Chemistry A, 2008, 112, 11273-11282.	1.8	20
394	Modulating the Selectivity for CO and Butane Oxidation over Heterogeneous Catalysis through Amorphous Catalyst Coatings. Journal of Physical Chemistry C, 2008, 112, 10968-10975.	2.3	7
395	The energetics of tetrahydrocarbazole aromatization over Pd(111): A computational analysis. Journal of Chemical Physics, 2008, 128, .	2.2	10
396	Catalysis in Ionic Liquids. Chemical Reviews, 2007, 107, 2615-2665.	42.5	2,365

#	Article	IF	Citations
397	Understanding the Dehydrogenation Mechanism of Tetrahydrocarbazole over Palladium Using a Combined Experimental and Density Functional Theory Approach. Journal of Physical Chemistry C, 2007, 111, 6434-6439.	2.3	33
398	Using XPS to determine solute solubility in room temperature ionic liquids. Analyst, The, 2007, 132, 196.	2.6	45
399	The electrochemical oxidation and reduction of nitrate ions in the room temperature ionic liquid [C2mim][NTf2]; the latter behaves as a 'melt' rather than an 'organic solvent'. New Journal of Chemistry, 2007, 31, 966-972.	1.9	28
400	Voltammetric Studies of Gold, Protons, and [HCl2]-in Ionic Liquids. Journal of Physical Chemistry C, 2007, 111, 8496-8503.	2.3	66
401	Mechanistic Studies of the Electro-oxidation Pathway of Ammonia in Several Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2007, 111, 9562-9572.	2.3	46
402	Electrochemical Oxidation of Nitrite and the Oxidation and Reduction of NO2 in the Room Temperature Ionic Liquid [C2mim][NTf2]. Journal of Physical Chemistry B, 2007, 111, 7778-7785.	2.0	84
403	Deactivation Mechanism of a Au/CeZrO4 Catalyst During a Low-Temperature Water Gas Shift Reaction. Journal of Physical Chemistry C, 2007, 111, 16927-16933.	2.3	94
404	Electrochemical Kinetics of Ag|Ag+ and TMPD|TMPD+• in the Room-Temperature Ionic Liquid [C4mpyrr][NTf2]; toward Optimizing Reference Electrodes for Voltammetry in RTILs. Journal of Physical Chemistry C, 2007, 111, 13957-13966.	2.3	66
405	Thermal Conductivities of Ionic Liquids over the Temperature Range from 293 K to 353 K. Journal of Chemical & Engineering Data, 2007, 52, 1819-1823.	1.8	172
406	An Electrochemical Study of the Oxidation of Hydrogen at Platinum Electrodes in Several Room Temperature Ionic Liquids†. Journal of Physical Chemistry B, 2007, 111, 5000-5007.	2.0	109
407	Glucose Solvation by the Ionic Liquid 1,3-Dimethylimidazolium Chloride: A Simulation Study. Journal of Physical Chemistry B, 2007, 111, 13765-13774.	2.0	217
408	A Comparative Study of the Synthesis of 3-Substituted Catechols using an Enzymatic and a Chemoenzymatic Method. Advanced Synthesis and Catalysis, 2007, 349, 727-739.	2.5	34
409	Electrochemical Ammonia Gas Sensing in Nonaqueous Systems: A Comparison of Propylene Carbonate with Room Temperature Ionic Liquids. Electroanalysis, 2007, 19, 2194-2201.	1.8	54
410	Three primary kinetic characteristics observed in a pulse-response TAP experiment. Catalysis Today, 2007, 121, 255-260.	3.8	19
411	Supported and liquid phase task specific ionic liquids for base catalysed Knoevenagel reactions. Journal of Molecular Catalysis A, 2007, 269, 64-71.	4.2	65
412	Dramatic liquid-phase dehydrogenation rate enhancements using gas-phase hydrogen acceptors. Journal of Catalysis, 2007, 251, 338-344.	4.4	19
413	A fast transient kinetic study of the effect of H2 on the selective catalytic reduction of NOx with octane using isotopically labelled 15NO. Journal of Catalysis, 2007, 246, 1-9.	4.4	62
414	Quantitative analysis of the reactivity of formate species seen by DRIFTS over a Au/Ce(La)O2 water–gas shift catalyst: First unambiguous evidence of the minority role of formates as reaction intermediates. Journal of Catalysis, 2007, 247, 277-287.	4.4	191

#	Article	IF	Citations
415	Palladium-catalyzed liquid-phase hydrogenation/hydrogenolysis of disulfides. Journal of Catalysis, 2007, 249, 93-101.	4.4	22
416	Quantitative DRIFTS investigation of possible reaction mechanisms for the water–gas shift reaction on high-activity Pt- and Au-based catalysts. Journal of Catalysis, 2007, 252, 18-22.	4.4	113
417	An investigation of the thermal stability and sulphur tolerance of Ag/γ-Al2O3 catalysts for the SCR of NOx with hydrocarbons and hydrogen. Applied Catalysis B: Environmental, 2007, 70, 36-44.	14.8	65
418	Identifying critical factors in the regeneration of NOx-trap materials under realistic conditions using fast transient techniques. Applied Catalysis B: Environmental, 2007, 72, 178-186.	14.8	43
419	Structure and Solvation in Ionic Liquids. Accounts of Chemical Research, 2007, 40, 1146-1155.	11.6	332
420	Solubility of carbon dioxide and ethane in three ionic liquids based on the bis{(trifluoromethyl)sulfonyl}imide anion. Fluid Phase Equilibria, 2007, 257, 27-34.	2.1	81
421	On the complexity of the water-gas shift reaction mechanism over a Pt/CeO2 catalyst: Effect of the temperature on the reactivity of formate surface species studied by operando DRIFT during isotopic transient at chemical steady-state. Catalysis Today, 2007, 126, 143-147.	3.8	87
422	Liquid Structure of the Ionic Liquid 1,3-Dimethylimidazolium Bis{(trifluoromethyl)sulfonyl}amide. Journal of Physical Chemistry B, 2006, 110, 12055-12061.	2.0	223
423	Ionic liquids—media for unique phosphorus chemistry. Chemical Communications, 2006, , 72-74.	2.4	70
424	Kinetic Study of the Metal Triflate Catalyzed Benzoylation of Anisole in an Ionic Liquid. Industrial & Engineering Chemistry Research, 2006, 45, 6640-6647.	2.9	25
425	Electrochemical studies of gold and chloride in ionic liquids. New Journal of Chemistry, 2006, 30, 1576-1583.	1.9	118
426	An Electrochemical Study of PCl3and POCl3in the Room Temperature Ionic Liquid [C4mpyrr][N(Tf)2]. Journal of Physical Chemistry B, 2006, 110, 22035-22042.	2.0	23
427	Thermodynamics, Structure, and Dynamics in Room Temperature Ionic Liquids: The Case of 1-Butyl-3-methyl Imidazolium Hexafluorophosphate ([bmim][PF6]). Journal of Physical Chemistry B, 2006, 110, 21357-21364.	2.0	187
428	Effect of Acetonitrile on the Solubility of Carbon Dioxide in 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)amide. Industrial & Engineering Chemistry Research, 2006, 45, 8180-8188.	2.9	68
429	Thioethers oxidation on dispersed Ta-silica mesoporous catalysts in ionic liquids. Catalysis Today, 2006, 117, 126-132.	3.8	17
430	Comparison of mass transfer effects in the heterogeneously catalysed hydrogenation of phenyl acetylene in heptane and an ionic liquid. Chemical Engineering Science, 2006, 61, 6995-7006.	3.8	21
431	Electrochemistry of phenol in bis{(trifluoromethyl)sulfonyl}amide ([NTf2]−) based ionic liquids. Journal of Electroanalytical Chemistry, 2006, 588, 27-31.	3.3	39
432	Electrochemical reduction of nitrobenzene and 4-nitrophenol in the room temperature ionic liquid [C4dmim][N(Tf)2]. Journal of Electroanalytical Chemistry, 2006, 596, 131-140.	3.3	123

#	Article	IF	Citations
433	One-Pot Multistep Synthetic Strategies for the Production of Fenpropimorph Using an Ionic Liquid Solvent. Organic Process Research and Development, 2006, 10, 94-102.	2.1	36
434	Pulse-response TAP studies of the reverse water–gas shift reaction over a Pt/CeO2 catalyst. Journal of Catalysis, 2006, 237, 102-110.	4.4	73
435	Extended Electrochemical Windows Made Accessible by Room Temperature Ionic Liquid/Organic Solvent Electrolyte Systems. ChemPhysChem, 2006, 7, 176-180.	1.5	171
436	Electrochemical Rate Constants in Room Temperature Ionic Liquids: The Oxidation of a Series of Ferrocene Derivatives. ChemPhysChem, 2006, 7, 1041-1045.	1.5	79
437	A Molecular Dynamics Study of Glucose Solvation in the Ionic Liquid 1,3-Dimethylimidazolium Chloride. ChemPhysChem, 2006, 7, 2279-2281.	1.5	120
438	A mechanistic study of the electro-oxidation of bromide in acetonitrile and the room temperature ionic liquid, 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at platinum electrodes. Journal of Electroanalytical Chemistry, 2005, 575, 311-320.	3.3	113
439	Utilisation of ionic liquid solvents for the synthesis of Lily-of-the-Valley fragrance {β-Lilial®; 3-(4-t-butylphenyl)-2-methylpropanal}. Journal of Molecular Catalysis A, 2005, 231, 61-66.	4.2	58
440	Electroreduction of N-methylphthalimide in room temperature ionic liquids under insonated and silent conditions. Ultrasonics Sonochemistry, 2005, 12, 423-428.	7.0	31
441	Liquid-phase oxidation of a pyrimidine thioether on Ti-SBA-15 and UL-TS-1 catalysts in ionic liquids. Journal of Catalysis, 2005, 232, 60-67.	4.4	28
442	Use of a rotating disc reactor to investigate the heterogeneously catalysed oxidation of cinnamyl alcohol in toluene and ionic liquids. Journal of Catalysis, 2005, 232, 355-365.	4.4	32
443	Selective oxidation of a pyrimidine thioether using supported tantalum catalysts. Journal of Catalysis, 2005, 235, 184-194.	4.4	20
444	Bimetallic effects in the liquid-phase hydrogenation of 2-butanone. Journal of Catalysis, 2005, 236, 270-281.	4.4	23
445	A Comparative Electrochemical Study of Diffusion in Room Temperature Ionic Liquid Solvents versus Acetonitrile. ChemPhysChem, 2005, 6, 526-533.	1.5	138
446	An Electrochemical and ESR Spectroscopic Study on the Molecular Dynamics of TEMPO in Room Temperature Ionic Liquid Solvents. ChemPhysChem, 2005, 6, 1035-1039.	1.5	88
447	Structure of Ionic Liquid–Benzene Mixtures. Journal of Physical Chemistry B, 2005, 109, 1593-1598.	2.0	167
448	APPLICATION OF EXAFS TO MOLTEN SALTS AND IONIC LIQUID TECHNOLOGY. Annual Review of Materials Research, 2005, 35, 29-49.	8.3	83
449	Stabilization of Ti-molecular sieve catalysts used in selective sulfoxidation reactions by ionic liquids. Green Chemistry, 2005, 7, 326.	7.6	8
450	First EXAFS studies on aurophilic interactions in solution. Chemical Communications, 2005, , 4970.	2.4	34

#	Article	IF	Citations
451	Synthesis of 3-(4-tert-butylphenyl)-2-propen-1-one, a precursor to Lilial®, via an aldol condensation in an ionic liquid. Green Chemistry, 2005, 7, 224-229.	7.6	19
452	Lewis Acid Platinum Complexes of Conformationally Flexible NUPHOS Diphosphines: Highly Efficient Catalysts for the Carbonyl–Ene Reaction. Organometallics, 2005, 24, 5945-5955.	1.7	45
453	Structural Investigation of the Promotional Effect of Hydrogen during the Selective Catalytic Reduction of NOx with Hydrocarbons over Ag/Al2O3 Catalysts. Journal of Physical Chemistry B, 2005, 109, 4805-4807.	2.0	120
454	DFT and In Situ EXAFS Investigation of Gold/Ceria–Zirconia Low-Temperature Water Gas Shift Catalysts: Identification of the Nature of the Active Form of Gold. Journal of Physical Chemistry B, 2005, 109, 22553-22559.	2.0	201
455	Chloroindate(iii) ionic liquids: recyclable media for Friedel–Crafts acylation reactions. Chemical Communications, 2005, , 903-905.	2.4	60
456	Relaxation Processes in Room Temperature Ionic Liquids: The Case of 1-Butyl-3-Methyl Imidazolium Hexafluorophosphate. Journal of Physical Chemistry B, 2005, 109, 22061-22066.	2.0	89
457	Structure of Ionic Liquid-Benzene Mixtures. ECS Proceedings Volumes, 2004, 2004-24, 407-416.	0.2	0
458	A catalytic and mechanistic study of the Friedel–Crafts benzoylation of anisole using zeolites in ionic liquids. Journal of Catalysis, 2004, 227, 44-52.	4.4	61
459	Elucidation of the Electrochemical Oxidation Pathway of Ammonia in Dimethylformamide and the Room Temperature Ionic Liquid, 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. Electroanalysis, 2004, 16, 888-896.	1.8	51
460	Heterogeneous Oxidation of Pyrimidine and Alkyl Thioethers in Ionic Liquids over Mesoporous Ti or Ti/Ge Catalysts. Chemistry - A European Journal, 2004, 10, 4640-4646.	2.4	37
461	Double potential step chronoamperometry at microdisk electrodes: simulating the case of unequal diffusion coefficients. Journal of Electroanalytical Chemistry, 2004, 571, 211-221.	3.3	89
462	Preparation of nanoparticulate metal catalysts in porous supports using an ionic liquid route; hydrogenation and C–C coupling. Inorganic Chemistry Communication, 2004, 7, 73-76.	4.2	86
463	Marked enantioselectivity enhancements for Diels–Alder reactions in ionic liquids catalysed by platinum diphosphine complexes. Green Chemistry, 2004, 6, 63-67.	7.6	73
464	A Structural and Electrochemical Investigation of 1-Alkyl-3-methylimidazolium Salts of the Nitratodioxouranate(VI) Anions [{UO2(NO3)2}2(μ4-C2O4)]2-, [UO2(NO3)3]-, and [UO2(NO3)4]2-. Inorganic Chemistry, 2004, 43, 2503-2514.	3.4	74
465	Electroreduction of Oxygen in a Series of Room Temperature Ionic Liquids Composed of Group 15-Centered Cations and Anions. Journal of Physical Chemistry B, 2004, 108, 7878-7886.	2.0	225
466	Highly Efficient Asymmetric Hetero-Diels–Alder Reactions of Carbonyl Compounds Catalyzed by Lewis Acid Platinum Complexes of Conformationally Flexible NUPHOS-Type Diphosphines. Organometallics, 2004, 23, 6127-6133.	1.7	23
467	Comparative Study of Diastereoisomer Interconversion in Chiral BINOL-ate and Diamine Platinum Complexes of Conformationally Flexible NUPHOS Diphosphines. Organometallics, 2004, 23, 1055-1064.	1.7	26
468	Kinetic Analysis of the Reaction between Electrogenerated Superoxide and Carbon Dioxide in the Room Temperature Ionic Liquids 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide and Hexyltriethylammonium Bis(trifluoromethylsulfonyl)imide. Journal of Physical Chemistry B, 2004, 108, 3947-3954.	2.0	83

#	Article	IF	Citations
469	Electroanalytical Determination of Trace Chloride in Room-Temperature Ionic Liquids. Analytical Chemistry, 2004, 76, 1998-2003.	5.2	123
470	A Comparative Study on the Reactivity of Electrogenerated Bromine with Cyclohexene in Acetonitrile and the Room Temperature Ionic Liquid, 1-Butyl-3-methylimidazolium Bis[(trifluoromethyl)sulfonyl]imide. Journal of Physical Chemistry B, 2004, 108, 16322-16327.	2.0	43
471	Structural Studies of Crystalline 1-Alkyl-3-Methylimidazolium Chloride Salts. Chemistry of Materials, 2004, 16, 43-48.	4.6	133
472	Determination of ammonia based on the electro-oxidation of hydroquinone in dimethylformamide or in the room temperature ionic liquid, 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. Talanta, 2004, 62, 904-911.	4.9	69
473	Heterogeneously catalysed selective hydrogenation reactions in ionic liquids. Green Chemistry, 2003, 5, 448.	7.6	78
474	Low-temperature oxidation reactions of ethane over a Pt/Al2O3 catalyst. Journal of Catalysis, 2003, 219, 206-213.	4.4	25
475	Oxidation of N,N,N',N'-tetraalkyl-para-phenylenediamines in a series of room temperature ionic liquids incorporating the bis(trifluoromethylsulfonyl)imide anion. Journal of Electroanalytical Chemistry, 2003, 556, 179-188.	3.3	127
476	Polymer-supported phosphoramidites: highly efficient and recyclable catalysts for asymmetric hydrogenation of dimethylitaconate and dehydroamino acids and esters. Tetrahedron: Asymmetry, 2003, 14, 1517-1527.	1.6	47
477	Structure of molten 1,3-dimethylimidazolium chloride using neutron diffraction. Journal of Chemical Physics, 2003, 118, 273-278.	2.2	475
478	Liquid structure of 1, 3-dimethylimidazolium salts. Journal of Physics Condensed Matter, 2003, 15, S159-S166.	1.6	116
479	Voltammetry of Oxygen in the Room Temperature Ionic Liquids 1-Ethyl-3-methylimidazolium Bis((trifluoromethyl)sulfonyl)imide and Hexyltriethylammonium Bis((trifluoromethyl)sulfonyl)imide: One-Electron Reduction To Form Superoxide. Steady-State and Transient Behavior in the Same Cyclic Voltammogram Resulting from Widely Different Diffusion Coefficients of Oxygen and Superoxide. Journal of Physical Chemistry A, 2003, 107, 8872-8878.	1.8	258
480	Ruthenium Complexes of the 1,4-Bis(diphenylphosphino)-1,3-butadiene-Bridged Diphosphine 1,2,3,4-Me4-NUPHOS: Solvent-Dependent Interconversion of Four- and Six-Electron Donor Coordination and Transfer Hydrogenation Activity. Organometallics, 2003, 22, 1452-1462.	1.7	21
481	Liquid clathrate formation in ionic liquid–aromatic mixturesElectronic supplementary information (ESI) available: crystallographic information, CCDC 200588–200590. See http://www.rsc.org/suppdata/cc/b2/b212726a/ for crystallographic files in CIF or other electronic format.. Chemical Communications, 2003, , 476-477.	2.4	381
482	The effect of co-precipitation on cadmium(ii) adsorption on hydrous aluminium(iii) hydroxide in the presence of a range of chelates. Physical Chemistry Chemical Physics, 2002, 4, 3828-3834.	2.0	4
483	In situ XAFS investigation of palladium species present during the Heck reaction in room temperature ionic liquids. Green Chemistry, 2002, 4, 139-142.	7.6	86
484	Small-Angle X-ray Scattering Studies of Liquid Crystalline 1-Alkyl-3-methylimidazolium Salts. Chemistry of Materials, 2002, 14, 629-635.	4.6	423
485	Alternating copolymerisation of styrene and carbon monoxide in ionic liquids. Green Chemistry, 2002, 4, 143-146.	7.6	90
486	Kinetics of the oxidation of methyl tert-butyl ether (MTBE) by potassium permanganate. Water Research, 2002, 36, 3638-3646.	9.9	65

#	Article	IF	Citations
487	Molecular layering and local order in thin films of 1-alkyl-3-methylimidazolium ionic liquids using X-ray reflectivity. Molecular Physics, 2001, 99, 795-800.	1.1	119
488	A highly efficient synthetic procedure for deuteriating imidazoles and imidazolium salts. Chemical Communications, 2001, , 367-368.	2.4	67
489	Crystal and liquid crystalline polymorphism in 1-alkyl-3-methylimidazolium tetrachloropalladate(ii) salts. Journal of Materials Chemistry, 2001, 11, 346-350.	7.3	87
490	Gas-Phase Photocatalytic Oxidation of Dichlorobutenes. Environmental Science & Technology, 2001, 35, 2823-2827.	8.5	13
491	Use of a batch rotating photocatalytic contactor for the degradation of organic pollutants in wastewater. Applied Catalysis B: Environmental, 2001, 30, 49-60.	14.8	47
492	A density functional theory study of the surface relaxation and reactivity of Cu2O(100). Surface Science, 2000, 464, 223-232.	1.5	35
493	The enhanced adsorption of cadmium on hydrous aluminium(III) hydroxide by ethylenediaminetetraacetate. Physical Chemistry Chemical Physics, 2000, 2, 1273-1279.	2.0	11
494	A Method for Studying the Structure of Low-Temperature Ionic Liquids by XAFS. Analytical Chemistry, 1999, 71, 4572-4574.	5.2	40
495	Adsorption of metal cations by hydrous aluminium(III) or iron(III) hydroxide precipitates: enhancement by EDTA and related chelate molecules†. Chemical Communications, 1998, , 2525-2526.	2.4	5
496	Structural and electronic properties of Ce overlayers and low-dimensional Pt-Ce alloys on Pt{111}. Physical Review B, 1997, 56, 12589-12598.	2.4	59
497	A spectroscopic study of the chemistry and reactivity of SO2 on Pt{111}: reactions with O2, CO and C3H6. Surface Science, 1997, 372, 279-288.	1.5	84
498	Plasma Polymerization of 2-Iodothiophene. Chemistry of Materials, 1996, 8, 916-921.	4.6	23
499	Ensemble Effects in the Coupling of Acetylene to Benzene on a Bimetallic Surface: A Study with Pd{111}/Au. The Journal of Physical Chemistry, 1996, 100, 2189-2194.	3.1	137
500	Low-temperature carbon monoxide oxidation on Pt(111). Dependence of apparent activation energy on reactant gas composition. Chemical Physics Letters, 1993, 206, 171-174.	2.0	17
501	The effect of staging of fluidic oscillation on microbubble generation in viscous liquids. European Physical Journal: Special Topics, 0, 235, 121-144.	1.0	0
502	Photoelectrochemical-Unassisted Glycerol Oxidation Coupled with CO 2 Reduction to Value-Added Chemicals. ChemCatChem, 0, 17, .	2.7	1
503	Catalytic oxidation of carbon monoxide over copper-Cerium mixed oxide catalysts: Effect of catalyst preparation method. Biomass and Bioenergy, 0, 206, 108631.	4.8	2
504	Valorization of Moroccan Alfa Grass through Pyrolytic Conversion to Biochar for Atmospheric CO ₂ Capture. ACS Omega, 0, , .	3.4	0

#	Article	IF	Citations
505	Structural investigation of aqueous ethylene glycol solutions at various concentrations by total neutron scattering. Journal of Molecular Liquids, 0, 442, 129091.	3.9	0
506	A group contribution approach for predicting the environmental impacts of imidazolium-based ionic liquids. RSC Sustainability, 0, 4, 1867-1885.	4.1	1
507	Comparative study of copper-based catalysts supported by ceria, zirconia and alumina for volatile organic compounds removal. Materials Today Sustainability, 0, 34, 101359.	2.3	0
508	Enhanced Time-on-Stream Stability of Pt/CeO 2 Catalysts for the Water Gas Shift Reaction under Nonthermal Plasma Activation. ACS Catalysis, 0, , .	9.8	0
509	Advancing Catalytic Reaction Rate Model Development with Physics-Guided Hybrid Modeling. Industrial & Engineering Chemistry Research, 0, 65, 14246-14261.	2.9	0
510	Surface Redox Behavior of a High Entropy Spinel Catalyst during Propene Oxidation. ACS Applied Materials & Interfaces, 0, , .	5.5	0