

Eric M Kennedy

List of Publications by Year in Descending Order

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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.

241
papers

4,702
citations

31
h-index

54
g-index

250
ext. papers

5,291
ext. citations

6
avg, IF

5.76
L-index

#	Paper	IF	Citations
241	Zeolites for Sustainable Chemical Transformations 2022 , 321-349		
240	Hydrodeoxygenation of oleic acid for effective diesel-like hydrocarbon production using zeolite-based catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 134, 1069	1.6	
239	Hydrodeoxygenation of guaiacol over ion-exchanged ruthenium ZSM-5 and BEA zeolites. <i>Journal of Catalysis</i> , 2021 , 396, 157-165	7.3	10
238	Application of concurrent grinding in direct aqueous carbonation of magnesium silicates. <i>Journal of CO2 Utilization</i> , 2021 , 48, 101516	7.6	0
237	Kinetics of Decomposition of PFOS Relevant to Thermal Desorption Remediation of Soils. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9080-9087	3.9	4
236	Insights into chemical stability of Mg-silicates and silica in aqueous systems using ²⁵ Mg and ²⁹ Si solid-state MAS NMR spectroscopy: Applications for CO2 capture and utilisation. <i>Chemical Engineering Journal</i> , 2021 , 420, 127656	14.7	4
235	Role of metal support during ru-catalysed hydrodeoxygenation of biocrude oil. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119470	21.8	16
234	In Situ XAFS Study of a Modified TS-1 Framework for Carbonyl Formation. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 16483-16488	3.8	1
233	Methane oxidation by N2O over Fe-FER catalysts prepared by different methods: Nature of active iron species, stability of surface oxygen species and selectivity to products. <i>Journal of Catalysis</i> , 2021 , 400, 10-19	7.3	3
232	Novel hierarchical core-shell BEA@NanoZSM-5 zeolite for improved cracking performance for 1,3,5-triisopropylbenzene and n-hexadecane. <i>Microporous and Mesoporous Materials</i> , 2021 , 328, 111399	5.3	3
231	Hydrodeoxygenation of guaiacol over BEA supported bimetallic Ni-Fe catalysts with varied impregnation sequence. <i>Journal of Catalysis</i> , 2021 , 404, 1-11	7.3	2
230	Natural zeolite supported Ni catalysts for hydrodeoxygenation of anisole. <i>Green Chemistry</i> , 2021 , 23, 4673-4684	10	9
229	Highly-dispersed Ni on BEA catalyst prepared by ion-exchange-deposition-precipitation for improved hydrodeoxygenation activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118690	21.8	27
228	The stability of Pd/TS-1 and Pd/silicalite-1 for catalytic oxidation of methane – Understanding the role of titanium. <i>Catalysis Science and Technology</i> , 2020 , 10, 1193-1204	5.5	19
227	The role of acid and metal sites in hydrodeoxygenation of guaiacol over Ni/Beta catalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 810-825	5.5	33
226	Effect of Manganese on the Selective Catalytic Hydrogenation of COx in the Presence of Light Hydrocarbons Over Ni/Al2O3: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2020 , 10, 1535-1547	13.1	9
225	Structure of Silica Polymers and Reaction Mechanism for Formation of Silica-Rich Precipitated Phases in Direct Aqueous Carbon Mineralization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6828-6839	3.9	9

224	Formation of Surface Oxygen Species and the Conversion of Methane to Value-Added Products with N ₂ O as Oxidant over Fe-Ferrierite Catalysts. <i>ACS Catalysis</i> , 2020 , 10, 1406-1416	13.1	15
223	Shape selectivity of zeolite catalysts for the hydrodeoxygenation of biocrude oil and its model compounds. <i>Microporous and Mesoporous Materials</i> , 2020 , 309, 110561	5.3	9
222	Study on Catalyst Deactivation During the Hydrodeoxygenation of Model Compounds. <i>Topics in Catalysis</i> , 2020 , 63, 778-792	2.3	4
221	Products and mechanism of thermal decomposition of chlorpyrifos under inert and oxidative conditions. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 2084-2094	4.3	2
220	Application of a concurrent grinding technique for two-stage aqueous mineral carbonation. <i>Journal of CO₂ Utilization</i> , 2020 , 42, 101347	7.6	4
219	Magnesium Leachability of Mg-Silicate Peridotites: The Effect on Magnesite Yield of a Mineral Carbonation Process. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 1091	2.4	1
218	Insights on the stability of cuprous chloride under high pressure: An equilibrium ab initio atomistic thermodynamics study. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 136, 109158	3.9	0
217	Synergistic catalysis of carbon-partitioned LaF ₃ BaF ₂ composites for the coupling of CH ₄ with CHF ₃ to VDF. <i>Catalysis Science and Technology</i> , 2019 , 9, 1338-1348	5.5	6
216	Introduction to the special section: Papers from the International Conference on Accelerated Carbonation for Environmental and Material Engineering. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, e13245	2.5	
215	Formation of magnesite and hydromagnesite from direct aqueous carbonation of thermally activated lizardite. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, e13244	2.5	1
214	Direct aqueous carbonation of heat activated serpentine: Discovery of undesirable side reactions reducing process efficiency. <i>Applied Energy</i> , 2019 , 242, 1369-1382	10.7	19
213	Thermal oxidation of dieldrin and concomitant formation of toxic products including polychlorinated dibenzo-p-dioxin and dibenzofuran (PCDD/F). <i>Chemosphere</i> , 2019 , 225, 209-216	8.4	3
212	Dissolution of heat activated serpentine for CO ₂ sequestration: The effect of silica precipitation at different temperature and pH values. <i>Journal of CO₂ Utilization</i> , 2019 , 30, 123-129	7.6	11
211	Mechanisms of thermal decomposition of cyclodiene pesticides, identification and possible mitigation of their toxic products. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 1143-1150	5.9	4
210	Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) from oxidation of 4,4'-dichlorobiphenyl (4,4'-DCB). <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 1075-1082	5.9	8
209	Comparison of Direct, Selective Oxidation of Methane by N ₂ O over Fe-ZSM-5, Fe-Beta, and Fe-FER Catalysts. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27436-27447	3.8	18
208	Pyrolysis of Glyphosate and Its Toxic Products. <i>Environmental Science & Technology</i> , 2019 , 53, 13742-13747	10.3	17
207	Mass transfer and kinetic study on BEA zeolite-catalysed oil hydroesterification. <i>Renewable Energy</i> , 2019 , 135, 417-425	8.1	8

206	CO ₂ Capture Modeling Using Heat-Activated Serpentine Slurries. <i>Energy & Fuels</i> , 2019 , 33, 1753-1766	7.6	8
205	Mechanistic insights into the Knoevenagel condensation reaction over ZnO catalysts: Direct observation of surface intermediates using in situ FTIR. <i>Journal of Catalysis</i> , 2019 , 369, 157-167	7.3	18
204	Development of Concurrent grinding for application in aqueous mineral carbonation. <i>Journal of Cleaner Production</i> , 2019 , 212, 151-161	10.3	18
203	Utilization of Glycerol and its Derivatives in a Nickel-Based SOFC. <i>Energy Technology</i> , 2019 , 7, 80-85	3.5	3
202	ACEME: Synthesis and characterization of reactive silica residues from two stage mineral carbonation Process. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, e13066	2.5	13
201	ACEME: Direct Aqueous Mineral Carbonation of Dunite Rock. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, e13075	2.5	9
200	The utilisation of feed and byproducts of mineral carbonation processes as pozzolanic cement replacements. <i>Journal of Cleaner Production</i> , 2018 , 186, 499-513	10.3	26
199	Catalytic coupling of CH ₄ with CHF ₃ for the synthesis of VDF over LaOF catalyst 2018 , 8, 587-602		5
198	Understanding Structure-Function Relationships in Zeolite-Supported Pd Catalysts for Oxidation of Ventilation Air Methane. <i>ACS Catalysis</i> , 2018 , 8, 5852-5863	13.1	27
197	An experimental investigation on the effects of adding a transition metal to Ni/Al ₂ O ₃ for catalytic hydrogenation of CO and CO ₂ in presence of light alkanes and alkenes. <i>Catalysis Today</i> , 2018 , 307, 277-283	5.3	9
196	Hydroesterification of bio-oils over HZSM-5, BETA and Y zeolites. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 727-738	4.3	6
195	A proposed reaction mechanism for the selective oxidation of methane with nitrous oxide over Co-ZSM-5 catalyst forming synthesis gas (CO + H ₂). <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 13133-13144	6.7	4
194	Study on mineral carbonation of heat activated lizardite at pilot and laboratory scale. <i>Journal of CO₂ Utilization</i> , 2018 , 26, 230-238	7.6	26
193	On the Chemistry of Iron Oxide Supported on γ -Alumina and Silica Catalysts. <i>ACS Omega</i> , 2018 , 3, 5362-5374	3.9	22
192	Mechanism of the Thermal Decomposition of Chlorpyrifos and Formation of the Dioxin Analog, 2,3,7,8-Tetrachloro-1,4-dioxino-dipyridine (TCDDpy). <i>Environmental Science & Technology</i> , 2018 , 52, 7327-7333	10.3	6
191	In-situ FTIR study on the mechanism of both steps of zeolite-catalysed hydroesterification reaction in the context of biodiesel manufacturing. <i>Fuel</i> , 2018 , 232, 12-26	7.1	24
190	Process for Chloroform Decomposition: Nonthermal Plasma Polymerization with Methane and Hydrogen. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9075-9082	3.9	1
189	Reaction of nitrous oxide with methane to synthesis gas: A thermodynamic and catalytic study. <i>Journal of Energy Chemistry</i> , 2017 , 26, 155-162	12	3

188	Separation and analysis of high range extractable molecules formed during coal pyrolysis using coupled thin layer chromatography-imaging mass spectrometry (TLC-LDI-IMS). <i>Fuel</i> , 2017 , 196, 269-279	7.1	11
187	A low energy pathway to CuCl ₂ : A theoretical investigation. <i>Chemical Physics Letters</i> , 2017 , 672, 54-56	2.5	
186	Cobalt Species Active for Nitrous Oxide (N ₂ O) Decomposition within a Temperature Range of 300-600°C. <i>Australian Journal of Chemistry</i> , 2017 , 70, 1138	1.2	2
185	A mechanistic study of the Knoevenagel condensation reaction: new insights into the influence of acid and base properties of mixed metal oxide catalysts on the catalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26630-26644	3.6	25
184	Mechanism and Rate of Thermal Decomposition of Hexachlorocyclopentadiene and Its Importance in PCDD/F Formation from the Combustion of Cyclodiene Pesticides. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 5871-5883	2.8	6
183	Adsorption of 2-Chlorophenol on the Surface of Silica- and Alumina-Supported Iron Oxide: An FTIR and XPS Study. <i>ChemCatChem</i> , 2017 , 9, 481-491	5.2	9
182	Development of Combustion Technology for Methane Emitted from Coal-Mine Ventilation Air Systems. <i>Energy Technology</i> , 2017 , 5, 521-538	3.5	20
181	Gas phase pyrolysis of endosulfan and formation of dioxin precursors of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F). <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 1119-1127	5.9	5
180	Oxidation of 4-bromo-4'-chlorobiphenyl, model species for forming mixed halogenated aromatic compounds. <i>International Journal of Environment and Pollution</i> , 2017 , 61, 243	0.7	4
179	Effect of methane on the conversion of HFC-134a in a dielectric barrier discharge non-equilibrium plasma reactor. <i>Chemical Engineering Journal</i> , 2016 , 284, 412-421	14.7	8
178	Zeolite-supported iron catalysts for allyl alcohol synthesis from glycerol. <i>Applied Catalysis A: General</i> , 2016 , 509, 130-142	5.1	25
177	Gas Phase Thermal Oxidation of Endosulfan and Formation of Polychlorinated Dibenzop-dioxins and Dibenzofurans. <i>Environmental Science & Technology</i> , 2016 , 50, 10106-13	10.3	6
176	Reaction of dichloromethane under non-oxidative conditions in a dielectric barrier discharge reactor and characterisation of the resultant polymer. <i>Chemical Engineering Journal</i> , 2016 , 290, 499-506	14.7	3
175	Catalytic conversion of glycerol to polymers in the presence of ammonia. <i>Chemical Engineering Journal</i> , 2016 , 291, 279-286	14.7	6
174	The use of LDI-TOF imaging mass spectroscopy to study heated coal with a temperature gradient incorporating the plastic layer and semi-coke. <i>Fuel</i> , 2016 , 165, 33-40	7.1	16
173	Maceral separation from coal by the Reflux Classifier. <i>Fuel Processing Technology</i> , 2016 , 143, 43-50	7.2	27
172	Formation of PCDD/Fs in Oxidation of 2-Chlorophenol on Neat Silica Surface. <i>Environmental Science & Technology</i> , 2016 , 50, 1412-8	10.3	33
171	Experimental Study on the Reaction of CCl ₃ F and CH ₄ in a Dielectric Barrier Discharge Nonequilibrium Plasma Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 463-471	3.9	2

170	Experimental investigation of the reaction of HCFC-22 and methane in a dielectric barrier discharge non-equilibrium plasma. <i>Chemical Engineering Journal</i> , 2016 , 301, 73-82	14.7	2
169	Towards understanding the improved stability of palladium supported on TS-1 for catalytic combustion. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10528-37	3.6	15
168	Experimental study on the precipitation of magnesite from thermally activated serpentine for CO ₂ sequestration. <i>Chemical Engineering Journal</i> , 2016 , 303, 439-449	14.7	33
167	The effect of synthesis gas composition on the performance of Ni-based solid oxide fuel cells. <i>Chemical Engineering Research and Design</i> , 2015 , 101, 22-26	5.5	5
166	S-Nitrosation of Aminothiones. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6951-8	4.2	1
165	Accelerated hydrothermal ageing of Pd/Al ₂ O ₃ for catalytic combustion of ventilation air methane. <i>Catalysis Science and Technology</i> , 2015 , 5, 4008-4016	5.5	5
164	The stability of Co ₃ O ₄ , Fe ₂ O ₃ , Au/Co ₃ O ₄ and Au/Fe ₂ O ₃ catalysts in the catalytic combustion of lean methane mixtures in the presence of water. <i>Catalysis Today</i> , 2015 , 258, 276-283	5.3	29
163	Decomposition of S-nitroso species. <i>RSC Advances</i> , 2015 , 5, 29914-29923	3.7	5
162	Enhancing allyl alcohol selectivity in the catalytic conversion of glycerol; influence of product distribution on the subsequent epoxidation step. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015 , 10, n/a-n/a	1.3	2
161	Influence of impurities on the epoxidation of allyl alcohol to glycidol with hydrogen peroxide over titanium silicate TS-1. <i>Applied Catalysis A: General</i> , 2015 , 489, 241-246	5.1	16
160	Thermodynamic stability and structure of cuprous chloride surfaces: a DFT investigation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7038-45	3.6	8
159	Oxidative Coupling and Hydroxylation of Phenol over Transition Metal and Acidic Zeolites: Insights into Catalyst Function. <i>Catalysis Letters</i> , 2014 , 144, 9-15	2.8	11
158	Study of thermally conditioned and weak acid-treated serpentinites for mineralisation of carbon dioxide. <i>Minerals Engineering</i> , 2014 , 59, 17-30	4.9	16
157	Evidence of the Formation of Surface Palladium Carbide during the Catalytic Combustion of Lean Methane/Air Mixtures. <i>Energy Technology</i> , 2014 , 2, 243-249	3.5	9
156	Water formation via HCl oxidation on Cu(1 0 0). <i>Applied Surface Science</i> , 2014 , 299, 156-161	6.7	5
155	Catalytic combustion of ventilation air methane (VAM) □ long term catalyst stability in the presence of water vapour and mine dust. <i>Catalysis Science and Technology</i> , 2014 , 4, 1793-1802	5.5	20
154	Nonequilibrium Plasma Polymerization of HFC-134a in a Dielectric Barrier Discharge Reactor: Polymer Characterization and a Proposed Mechanism for Polymer Formation. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 3095-3100	1.3	7
153	Catalytic conversion of glycerol to allyl alcohol; effect of a sacrificial reductant on the product yield. <i>Catalysis Science and Technology</i> , 2014 , 4, 3090-3098	5.5	19

152	Reaction of carbon tetrachloride with methane in a non-equilibrium plasma at atmospheric pressure, and characterisation of the polymer thus formed. <i>Journal of Hazardous Materials</i> , 2014 , 280, 38-45	12.8	3
151	The Effect of Additive on NO _x Emission During Thermal Decomposition of Nano-Recrystallised Nitrate Salts. <i>Ceramic Transactions</i> , 2014 , 307-319	0.1	
150	Characterization of Polymer Synthesized from the Nonequilibrium Plasma Conversion of CFC-12 and Methane in a Dielectric Barrier Discharge Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19380-19386	3.9	4
149	Selection of acid for weak acid processing of wollastonite for mineralisation of CO ₂ . <i>Fuel</i> , 2014 , 122, 277-286	7.1	33
148	Partial oxidation of methane with nitrous oxide forms synthesis gas over cobalt exchanged ZSM-5. <i>Catalysis Communications</i> , 2014 , 53, 42-46	3.2	16
147	Biologically enhanced degassing and precipitation of magnesium carbonates derived from bicarbonate solutions. <i>Minerals Engineering</i> , 2014 , 61, 113-120	4.9	7
146	HCl Adsorption on Copper-Modified ZSM-5: FTIR and DFT Study. <i>Journal of Physical Chemistry C</i> , 2013 , 130912084723007	3.8	6
145	Comparative Study on the Formation of Toxic Species from 4-chlorobiphenyl in Fires: Effect of Catalytic Surfaces. <i>Procedia Engineering</i> , 2013 , 62, 350-358		6
144	Study on the Reaction of CCl ₂ F ₂ with CH ₄ in a Dielectric Barrier Discharge Nonequilibrium Plasma. <i>Plasma Processes and Polymers</i> , 2013 , 10, n/a-n/a	3.4	1
143	Energy cost of heat activating serpentinites for CO ₂ storage by mineralisation. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 17, 225-239	4.2	34
142	Roles of peroxides and unsaturation in spontaneous heating of linseed oil. <i>Fire Safety Journal</i> , 2013 , 61, 108-115	3.3	7
141	Theoretical investigation into the low-temperature oxidation of ethylbenzene. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 315-323	5.9	13
140	Formation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDD/F) by precursor pathways in oxidation of pesticide alpha-cypermethrin. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 3499-3507	5.9	7
139	Formation of weathering-derived magnesite deposits in the New England Orogen, New South Wales, Australia: Implications from mineralogy, geochemistry and genesis of the Attunga magnesite deposit. <i>Mineralium Deposita</i> , 2013 , 48, 525-541	4.8	17
138	Comparative Study of the Physicochemical Properties of Ortho-Substituted Aromatic Nitroso Compounds. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1005-1010	2.8	5
137	Rate constants for reactions of ethylbenzene with hydroperoxyl radical. <i>Combustion and Flame</i> , 2013 , 160, 9-16	5.3	22
136	A Melamine-Modified Zeolite with Enhanced CO ₂ Capture Properties. <i>Energy Technology</i> , 2013 , 1, 345-349	3.9	14
135	Trapping of Nitric Oxide, Generated during Sensitization of Ammonium Nitrate Emulsion Explosive, by Aromatic Nitroso Sulfonates. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10561-10568	3.9	1

134	Non-Oxidative Conversion of 1,2-Dichloroethane in a Non-Thermal Plasma and Characterisation of the Polymer Formed. <i>Plasma Processes and Polymers</i> , 2013 , 10, 141-149	3.4	5
133	Determination of toxic products released in combustion of pesticides. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 400-418	33.6	20
132	Suppression Performance Comparison for Aspirated, Compressed-Air and In Situ Chemically Generated Class B Foams. <i>Fire Technology</i> , 2012 , 48, 625-640	3	11
131	Accurate rate constants for decomposition of aqueous nitrous acid. <i>Inorganic Chemistry</i> , 2012 , 51, 2178-85	35	36
130	Mechanistic Study of Trapping of NO by 3,5-Dibromo-4-Nitrosobenzene Sulfonate. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14325-14336	3.9	3
129	Conversion of Fluorine-Containing Ozone-Depleting and Greenhouse Gases to Valuable Polymers in a Nonthermal Plasma. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 11279-11283	3.9	18
128	Mechanism of Formation of Volatile Organic Compounds from Oxidation of Linseed Oil. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5653-5661	3.9	16
127	Carbon deposition and gasification kinetics of used lanthanide-promoted Co-Ni/Al ₂ O ₃ catalysts from CH ₄ dry reforming. <i>Catalysis Communications</i> , 2012 , 26, 183-188	3.2	38
126	Identification and Quantitation of Volatile Organic Compounds from Oxidation of Linseed Oil. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5645-5652	3.9	25
125	Oxidation of dibenzo-p-dioxin: Formation of initial products, 2-methylbenzofuran and 3-hydro-2-methylenebenzofuran. <i>Combustion and Flame</i> , 2012 , 159, 3056-3065	5.3	6
124	Experimental investigation of alumina and quartz as dielectrics for a cylindrical double dielectric barrier discharge reactor in argon diluted methane plasma. <i>Chemical Engineering Journal</i> , 2012 , 180, 178-189	14.7	55
123	Experimental study of decomposition of aqueous nitrosyl thiocyanate. <i>Inorganic Chemistry</i> , 2011 , 50, 7440-52	5.1	10
122	First-principles study of the electronic, optical and bonding properties in dolomite. <i>Computational Materials Science</i> , 2011 , 50, 1037-1042	3.2	24
121	Ab-initio electronic structure, optical, dielectric and bonding properties of lizardite-1T. <i>Computational Materials Science</i> , 2011 , 50, 1725-1730	3.2	11
120	Fischer-Tropsch synthesis: Effect of promoter type on alumina-supported Mo carbide catalysts. <i>Catalysis Today</i> , 2011 , 175, 450-459	5.3	20
119	Formation of toxic species and precursors of PCDD/F in thermal decomposition of alpha-cypermethrin. <i>Chemosphere</i> , 2011 , 85, 143-50	8.4	7
118	Optimization of antigorite heat pre-treatment via kinetic modeling of the dehydroxylation reaction for CO ₂ mineralization 2011 , 1, 294-304		18
117	Small-Scale Test Protocol for Firefighting Foams DEF(AUST)5706: Effect of Bubble Size Distribution and Expansion Ratio. <i>Fire Technology</i> , 2011 , 47, 149-162	3	24

116	Oxidation reactions and spontaneous ignition of linseed oil. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 2625-2632	5.9	10
115	Rate constants for hydrogen abstraction reactions by the hydroperoxyl radical from methanol, ethenol, acetaldehyde, toluene, and phenol. <i>Journal of Computational Chemistry</i> , 2011 , 32, 1725-33	3.5	37
114	Mechanistic study of the reaction of CHF ₃ with CH ₄ . <i>Chemical Engineering Journal</i> , 2011 , 166, 822-831	14.7	17
113	An equilibrium ab initio atomistic thermodynamics study of chlorine adsorption on the Cu(001) surface. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 10306-11	3.6	22
112	Air pollutants formed in thermal decomposition of folpet fungicide under oxidative conditions. <i>Environmental Science & Technology</i> , 2011 , 45, 554-60	10.3	9
111	Chlorination of the Cu(110) Surface and Copper Nanoparticles: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13412-13419	3.8	24
110	Quantum chemical study of copper (II) chloride and the Deacon reaction. <i>Chemical Physics Letters</i> , 2011 , 501, 215-220	2.5	11
109	Toxic pollutants emitted from thermal decomposition of phthalimide compounds. <i>Journal of Hazardous Materials</i> , 2011 , 187, 407-12	12.8	6
108	Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) in oxidation of captan pesticide. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 701-708	5.9	20
107	Theoretical study of unimolecular decomposition of catechol. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 1060-7	2.8	41
106	Effect of Methanol on the Gas-Phase Reaction of Trifluoromethane with Methane. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 8406-8414	3.9	10
105	Thermal decomposition of captan and formation pathways of toxic air pollutants. <i>Environmental Science & Technology</i> , 2010 , 44, 4149-54	10.3	14
104	Synthesis of Vinylidene Fluoride via Reaction of Chlorodifluoromethane (HCFC-22) with Methane. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6010-6019	3.9	5
103	Theoretical study of the ammonia-hypochlorous acid reaction mechanism. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 2597-606	2.8	35
102	Theoretical study on the thermodynamic properties and self-decomposition of methylbenzenediol isomers. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 11751-60	2.8	4
101	Thermochemical properties and decomposition pathways of three isomeric semiquinone radicals. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 1098-108	2.8	33
100	Interaction of Chlorine and Oxygen with the Cu(100) Surface. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19048-19054	3.8	17
99	Catalytic pyrolysis of CHF ₃ over activated carbon and activated carbon supported potassium catalyst. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 698-703	2.1	14

98	Conversion of a CFCs, HFCs and HCFCs waste mixture via reaction with methane. <i>Journal of Hazardous Materials</i> , 2010 , 184, 696-703	12.8	6
97	Experimental and chemical kinetic study of the pyrolysis of trifluoroethane and the reaction of trifluoromethane with methane. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 751-760	2.1	35
96	Conversion of CHF(3) to CH(2)CF(2) via reaction with CH(4) in the presence of CBrF(3): An experimental and kinetic modelling study. <i>Journal of Hazardous Materials</i> , 2010 , 180, 181-7	12.8	18
95	A DFT study on the self-coupling reactions of the three isomeric semiquinone radicals. <i>Computational and Theoretical Chemistry</i> , 2010 , 958, 106-115		6
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