

# Bogdan Z Dlugogorski

## 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.

277  
papers

5,654  
citations

34  
h-index

58  
g-index

285  
ext. papers

6,397  
ext. citations

5.8  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
277	Thermal decomposition of perfluorinated carboxylic acids: Kinetic model and theoretical requirements for PFAS incineration. <i>Chemosphere</i> , <b>2022</b> , 286, 131685	8.4	10
276	Compatibility of aqueous film-forming foams (AFFF) with sea water. <i>Fire Safety Journal</i> , <b>2021</b> , 120, 103288	3.8	4
275	Two-Step Reaction Mechanism of Roasting Spodumene with Potassium Sulfate. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3620-3625	5.1	6
274	A kinetic model for halogenation of the zinc content in franklinite. <i>Applied Surface Science</i> , <b>2021</b> , 562, 150105	6.7	6
273	Controlling NOx emission from boilers using waste polyethylene as reburning fuel. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128427	14.7	5
272	Thermal decomposition of ammonium nitrate on rust surface: Risk of low-temperature fire. <i>Fire Safety Journal</i> , <b>2021</b> , 120, 103063	3.3	1
271	Flammability of sulfur powder - An extremely hazardous chemical. <i>Fire Safety Journal</i> , <b>2021</b> , 120, 103088	3.3	3
270	Combustion chemistry of COS and occurrence of intersystem crossing. <i>Fuel</i> , <b>2021</b> , 283, 119257	7.1	6
269	Leaching of lepidolite and recovery of lithium hydroxide from purified alkaline pressure leach liquor by phosphate precipitation and lime addition. <i>Hydrometallurgy</i> , <b>2021</b> , 201, 105538	4	12
268	Review of Chemical Reactivity of Singlet Oxygen with Organic Fuels and Contaminants. <i>Chemical Record</i> , <b>2021</b> , 21, 315-342	6.6	11
267	Mineralisation of atmospheric CO <sub>2</sub> in hydromagnesite in ultramafic mine tailings [Insights from Mg isotopes. <i>Geochimica Et Cosmochimica Acta</i> , <b>2021</b> , 309, 191-208	5.5	2
266	Low-temperature oxidation of monobromobenzene: Bromine transformation and yields of phenolic species. <i>Chemosphere</i> , <b>2021</b> , 280, 130621	8.4	5
265	Formation of polybrominated dibenzofurans (PBDFs) and polybrominated diphenyl ethers (PBDEs) from oxidation of brominated flame retardants (BFRs). <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123166	12.8	7
264	Co-pyrolysis of polyethylene with products from thermal decomposition of brominated flame retardants. <i>Chemosphere</i> , <b>2020</b> , 254, 126766	8.4	4
263	Photodecomposition properties of brominated flame retardants (BFRs). <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 192, 110272	7	5
262	Kinetics of Photo-Oxidation of Oxazole and its Substituents by Singlet Oxygen. <i>Scientific Reports</i> , <b>2020</b> , 10, 3668	4.9	6
261	Products of incomplete combustion from biomass reburning. <i>Fuel</i> , <b>2020</b> , 274, 117805	7.1	6

260	Importance of Intersystem Crossing on Flammability Properties of Carbon Disulphide (CS <sub>2</sub> ) <b>2020</b> , 77-88		
259	Physico-chemical properties of CrMoN coatings - combined experimental and computational studies. <i>Thin Solid Films</i> , <b>2020</b> , 693, 137671	2.2	4
258	Burning properties of redox crystals of ammonium nitrate and saccharides. <i>Combustion and Flame</i> , <b>2020</b> , 213, 132-139	5.3	6
257	Analytical Procedure for Proximate Analysis of Algal Biomass: Case Study for <i>Spirulina platensis</i> and <i>Chlorella vulgaris</i> . <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 474-482	4.1	12
256	Singlet-diradical character in large PAHs triggers spontaneous-ignition of coal. <i>Combustion and Flame</i> , <b>2020</b> , 212, 279-281	5.3	7
255	Interfacial and bulk properties of concentrated solutions of ammonium nitrate. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 27698-27712	3.6	3
254	Formation of phenoxy-type Environmental Persistent Free Radicals (EPFRs) from dissociative adsorption of phenol on Cu/Fe and their partial oxides. <i>Chemosphere</i> , <b>2020</b> , 240, 124921	8.4	11
253	Destruction of dioxin and furan pollutants via electrophilic attack of singlet oxygen. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 184, 109605	7	5
252	IAFSS agenda 2030 for a fire safe world. <i>Fire Safety Journal</i> , <b>2019</b> , 110, 102889	3.3	22
251	The mechanism of electrophilic addition of singlet oxygen to pyrrolic ring. <i>Theoretical Chemistry Accounts</i> , <b>2019</b> , 138, 1	1.9	3
250	Thermal decomposition of model compound of algal biomass. <i>International Journal of Chemical Kinetics</i> , <b>2019</b> , 51, 696-710	1.4	3
249	Catalytic de-chlorination of products from PVC degradation by magnetite (Fe <sub>3</sub> O <sub>4</sub> ). <i>Applied Surface Science</i> , <b>2019</b> , 480, 792-801	6.7	9
248	Effect of Fe <sub>2</sub> O <sub>3</sub> nanoparticles on combustion of coal surrogate (Anisole): Enhanced ignition and formation of persistent free radicals. <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 3091-3099	5.9	11
247	Biocompatibility study of multi-layered hydroxyapatite coatings synthesized on Ti-6Al-4V alloys by RF magnetron sputtering for prosthetic-orthopaedic implant applications. <i>Applied Surface Science</i> , <b>2019</b> , 463, 292-299	6.7	24
246	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> , <b>2019</b> , 37, 1075-1082	5.9	8
245	Phase transformation mechanism of spodumene during its calcination. <i>Minerals Engineering</i> , <b>2019</b> , 140, 105883	4.9	12
244	Probing the Reactivity of Singlet Oxygen with Cyclic Monoterpenes. <i>ACS Omega</i> , <b>2019</b> , 4, 14040-14048	3.9	5
243	Mg isotope fractionation during continental weathering and low temperature carbonation of ultramafic rocks. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 262, 60-77	5.5	10

242	Combustion chemistry of carbon disulphide (CS <sub>2</sub> ). <i>Combustion and Flame</i> , <b>2019</b> , 210, 413-425	5.3	13
241	Co-oxidation of methane (CH <sub>4</sub> ) and carbon disulfide (CS <sub>2</sub> ). <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 677-685	5.9	5
240	Interaction of NH <sub>2</sub> radical with alkylbenzenes. <i>Combustion and Flame</i> , <b>2019</b> , 200, 85-96	5.3	4
239	Thermal decomposition of brominated flame retardants (BFRs): Products and mechanisms. <i>Progress in Energy and Combustion Science</i> , <b>2019</b> , 70, 212-259	33.6	97
238	Reaction of phenol with singlet oxygen. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 21, 171-183	3.6	40
237	Thermo-mechanical properties of cubic lanthanide oxides. <i>Thin Solid Films</i> , <b>2018</b> , 653, 37-48	2.2	6
236	Influence of DC magnetron sputtering reaction gas on structural and optical characteristics of Ce-oxide thin films. <i>Ceramics International</i> , <b>2018</b> , 44, 16450-16458	5.1	12
235	A proposed reaction mechanism for the selective oxidation of methane with nitrous oxide over Co-ZSM-5 catalyst forming synthesis gas (CO + H <sub>2</sub> ). <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13133-13144	6.7	4
234	Structural, electronic and thermodynamic properties of bulk and surfaces of terbium dioxide (TbO <sub>2</sub> ). <i>Materials Research Express</i> , <b>2018</b> , 5, 085901	1.7	5
233	Introducing Quantum Chemistry in Chemical Engineering Curriculum. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 1562-1571	2.4	3
232	Recycling of zincite (ZnO) via uptake of hydrogen halides. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 1221-1230	3.6	16
231	Thermo-mechanical properties of cubic titanium nitride. <i>Molecular Simulation</i> , <b>2018</b> , 44, 415-423	2	7
230	Catalytic de-halogenation of alkyl halides by copper surfaces. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 7214-7224	6.8	3
229	Catalytic Hydrogenation of -Chloronitrobenzene to -Chloroaniline Mediated by EMoN. <i>ACS Omega</i> , <b>2018</b> , 3, 14380-14391	3.9	11
228	Role of Singlet Oxygen in Combustion Initiation of Aromatic Fuels. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 12851-12860	12.860	11
227	Hydrodesulfurization of Thiophene over EMo <sub>2</sub> N catalyst. <i>Molecular Catalysis</i> , <b>2018</b> , 459, 21-30	3.3	21
226	On the Chemistry of Iron Oxide Supported on EAlumina and Silica Catalysts. <i>ACS Omega</i> , <b>2018</b> , 3, 5362-5374	5.374	22
225	Process for Chloroform Decomposition: Nonthermal Plasma Polymerization with Methane and Hydrogen. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 9075-9082	3.9	1

224	Reaction of nitrous oxide with methane to synthesis gas: A thermodynamic and catalytic study. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 155-162	12	3
223	Structural and optical characteristics of pre- and post-annealed sol-gel derived CoCu-oxide coatings. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 222-235	5.7	11
222	Mechanisms governing selective hydrogenation of acetylene over $\gamma$ -Mo <sub>2</sub> N surfaces. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 943-960	5.5	22
221	Hydrogen Abstraction from Hydrocarbons by NH. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 2221-2231	2.8	16
220	On wall fire interaction in a small pool fire: A large-eddy simulation study. <i>Fire Safety Journal</i> , <b>2017</b> , 92, 199-209	3.3	5
219	Reactions of products from thermal degradation of PVC with nanoclusters of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> (hematite). <i>Chemical Engineering Journal</i> , <b>2017</b> , 323, 396-405	14.7	18
218	Reaction of Aniline with Singlet Oxygen (O <sup>1</sup> ) <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 3199-3206	2.8	28
217	Experimental and predicted mechanical properties of Cr <sub>1-x</sub> Al <sub>x</sub> N thin films, at high temperatures, incorporating in situ synchrotron radiation X-ray diffraction and computational modelling. <i>RSC Advances</i> , <b>2017</b> , 7, 22094-22104	3.7	14
216	Structure, Stability, and (Non)Reactivity of the Low-Index Surfaces of Crystalline B <sub>2</sub> O <sub>3</sub> <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11346-11354	3.8	5
215	Understanding the adsorptive interactions of arsenate-iron nanoparticles with curved fullerene-like sheets in activated carbon using a quantum mechanics/molecular mechanics computational approach. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14262-14268	3.6	4
214	Investigation of the post-annealing electromagnetic response of Cu <sub>2</sub> O oxide coatings via optical measurement and computational modelling. <i>RSC Advances</i> , <b>2017</b> , 7, 16826-16835	3.7	17
213	Electronic properties and stability phase diagrams for cubic BN surfaces. <i>Molecular Simulation</i> , <b>2017</b> , 43, 267-275	2	4
212	Atmospheric oxidation of carbon disulfide (CS <sub>2</sub> ). <i>Chemical Physics Letters</i> , <b>2017</b> , 669, 43-48	2.5	14
211	Formation of PCDDs and PCDFs in the torrefaction of biomass with different chemical composition. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2017</b> , 123, 126-133	6	16
210	Cobalt Species Active for Nitrous Oxide (N <sub>2</sub> O) Decomposition within a Temperature Range of 300-800°C. <i>Australian Journal of Chemistry</i> , <b>2017</b> , 70, 1138	1.2	2
209	DFT- $\Gamma$ U and ab initio atomistic thermodynamics approach for mixed transitional metallic oxides: A case study of CoCu <sub>2</sub> O <sub>3</sub> surface terminations. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 201, 241-250	4.4	7
208	Enhanced ignition of biomass in presence of NO <sub>x</sub> . <i>Fire Safety Journal</i> , <b>2017</b> , 91, 235-242	3.3	4
207	Flammability of CS <sub>2</sub> and other reduced sulfur species. <i>Fire Safety Journal</i> , <b>2017</b> , 91, 226-234	3.3	10

206	Atmospheric emission of NO <sub>x</sub> from mining explosives: A critical review. <i>Atmospheric Environment</i> , <b>2017</b> , 167, 81-96	5.3	24
205	Decomposition of selected chlorinated volatile organic compounds by ceria (CeO <sub>2</sub> ). <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3902-3919	5.5	47
204	Formation of environmentally-persistent free radicals (EPFR) on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> clusters. <i>RSC Advances</i> , <b>2017</b> , 7, 52672-52683	3.7	4
203	Thermal Reduction of NO with Recycled Plastics. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7714-7722	14.3	14
202	Adsorption of 2-Chlorophenol on the Surface of Silica- and Alumina-Supported Iron Oxide: An FTIR and XPS Study. <i>ChemCatChem</i> , <b>2017</b> , 9, 481-491	5.2	9
201	Understanding the shrinkage of optical absorption edges of nanostructured Cd-Zn sulphide films for photothermal applications. <i>Applied Surface Science</i> , <b>2017</b> , 392, 854-862	6.7	25
200	Oxidation of 4-bromo-4'-chlorobiphenyl, model species for forming mixed halogenated aromatic compounds. <i>International Journal of Environment and Pollution</i> , <b>2017</b> , 61, 243	0.7	4
199	Effect of methane on the conversion of HFC-134a in a dielectric barrier discharge non-equilibrium plasma reactor. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 412-421	14.7	8
198	Zeolite-supported iron catalysts for allyl alcohol synthesis from glycerol. <i>Applied Catalysis A: General</i> , <b>2016</b> , 509, 130-142	5.1	25
197	New Mechanistic Insights: Why Do Plants Produce Isoprene?. <i>ACS Omega</i> , <b>2016</b> , 1, 220-225	3.9	22
196	Thermal Recycling of Brominated Flame Retardants with Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6039-47	2.8	33
195	Structural Thermal Stability of Graphene Oxide-Doped Copper/Cobalt Oxide Coatings as a Solar Selective Surface. <i>Journal of Materials Science and Technology</i> , <b>2016</b> , 32, 1179-1191	9.1	18
194	Inhibition and Promotion of Pyrolysis by Hydrogen Sulfide (HS) and Sulfanyl Radical (SH). <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 8941-8948	2.8	17
193	Reaction of dichloromethane under non-oxidative conditions in a dielectric barrier discharge reactor and characterisation of the resultant polymer. <i>Chemical Engineering Journal</i> , <b>2016</b> , 290, 499-506	14.7	3
192	Catalytic conversion of glycerol to polymers in the presence of ammonia. <i>Chemical Engineering Journal</i> , <b>2016</b> , 291, 279-286	14.7	6
191	NEXAFS N K-edge study of the bonding structure on Al/Si doped sputtered CrN coatings. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 661, 268-273	5.7	12
190	Oxidation of Polyethylene under Corrosive NO <sub>x</sub> Atmosphere. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3766-3775	3.8	13
189	Double-sided F and Cl adsorptions on graphene at various atomic ratios: Geometric, orientation and electronic structure aspects. <i>Applied Surface Science</i> , <b>2016</b> , 373, 65-72	6.7	9

188	Photodecomposition of bromophenols. <i>Chemosphere</i> , <b>2016</b> , 150, 749-758	8.4	18
187	Decomposition of ethylamine through bimolecular reactions. <i>Combustion and Flame</i> , <b>2016</b> , 163, 532-539	5.3	16
186	Predicting high temperature mechanical properties of CrN and CrAlN coatings from in-situ synchrotron radiation X-ray diffraction. <i>Thin Solid Films</i> , <b>2016</b> , 599, 98-103	2.2	13
185	Interaction of Oxygen with Rhombohedral Boron (001) Surface. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5968-5979	3.8	1
184	Formation of PCDD/Fs in Oxidation of 2-Chlorophenol on Neat Silica Surface. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1412-8	10.3	33
183	Experimental Study on the Reaction of CCl <sub>3</sub> F and CH <sub>4</sub> in a Dielectric Barrier Discharge Nonequilibrium Plasma Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 463-471	3.9	2
182	Thermodynamic Parameters Including Acid Dissociation Constants for Bromochlorophenols (BCPs). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 160-172	2.8	2
181	Geometrical and orientational investigations on the electronic structure of graphene with adsorbed aluminium or silicon. <i>Materials and Design</i> , <b>2016</b> , 89, 27-35	8.1	6
180	Experimental investigation of the reaction of HCFC-22 and methane in a dielectric barrier discharge non-equilibrium plasma. <i>Chemical Engineering Journal</i> , <b>2016</b> , 301, 73-82	14.7	2
179	Towards understanding the improved stability of palladium supported on TS-1 for catalytic combustion. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 10528-37	3.6	15
178	Chemical bonding states and solar selective characteristics of unbalanced magnetron sputtered Ti <sub>x</sub> M <sub>1-x</sub> Ny films. <i>RSC Advances</i> , <b>2016</b> , 6, 36373-36383	3.7	30
177	Conversion of NO into N <sub>2</sub> over Mo <sub>2</sub> N. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 22270-22280	3.8	14
176	Formation of Environmentally Persistent Free Radicals on Al <sub>2</sub> O <sub>3</sub> . <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11094-11102	10.3	37
175	Large-eddy simulation of methanol pool fires using an accelerated stochastic fields method. <i>Combustion and Flame</i> , <b>2016</b> , 173, 89-98	5.3	13
174	Formation of dibenzofuran, dibenzo-p-dioxin and their hydroxylated derivatives from catechol. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1822-30	3.6	32
173	Oxidation of crystalline polyethylene. <i>Combustion and Flame</i> , <b>2015</b> , 162, 3681-3690	5.3	17
172	Towards a better understanding of the geometrical and orientational aspects of the electronic structure of halogens (F <sub>2</sub> ) adsorption on graphene. <i>Applied Surface Science</i> , <b>2015</b> , 356, 370-377	6.7	9
171	The effect of synthesis gas composition on the performance of Ni-based solid oxide fuel cells. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 101, 22-26	5.5	5

170	S-Nitrosation of Aminothiones. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 6951-8	4.2	1
169	Accelerated hydrothermal ageing of Pd/Al <sub>2</sub> O <sub>3</sub> for catalytic combustion of ventilation air methane. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4008-4016	5.5	5
168	The stability of Co <sub>3</sub> O <sub>4</sub> , Fe <sub>2</sub> O <sub>3</sub> , Au/Co <sub>3</sub> O <sub>4</sub> and Au/Fe <sub>2</sub> O <sub>3</sub> catalysts in the catalytic combustion of lean methane mixtures in the presence of water. <i>Catalysis Today</i> , <b>2015</b> , 258, 276-283	5.3	29
167	Formation of polybrominated dibenzofurans from polybrominated biphenyls. <i>Chemosphere</i> , <b>2015</b> , 119, 1048-1053	8.4	30
166	Formation of chlorobenzenes by oxidative thermal decomposition of 1,3-dichloropropene. <i>Combustion and Flame</i> , <b>2015</b> , 162, 2414-2421	5.3	11
165	Formation of mixed halogenated dibenzo-p-dioxins and dibenzofurans (PXDD/Fs). <i>Chemosphere</i> , <b>2015</b> , 137, 149-56	8.4	4
164	Reactions of HO <sub>2</sub> with n-propylbenzene and its phenylpropyl radicals. <i>Combustion and Flame</i> , <b>2015</b> , 162, 1406-1416	5.3	8
163	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> , <b>2015</b> , 489, 241-246	5.1	16
162	Structures, electronic properties and stability phase diagrams for copper(I/II) bromide surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9341-51	3.6	12
161	Thermodynamic stability and structure of cuprous chloride surfaces: a DFT investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 7038-45	3.6	8
160	Formation and chlorination of carbazole, phenoxazine, and phenazine. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2215-21	10.3	50
159	Study of thermally conditioned and weak acid-treated serpentinites for mineralisation of carbon dioxide. <i>Minerals Engineering</i> , <b>2014</b> , 59, 17-30	4.9	16
158	Evidence of the Formation of Surface Palladium Carbide during the Catalytic Combustion of Lean Methane/Air Mixtures. <i>Energy Technology</i> , <b>2014</b> , 2, 243-249	3.5	9
157	Water formation via HCl oxidation on Cu(1 0 0). <i>Applied Surface Science</i> , <b>2014</b> , 299, 156-161	6.7	5
156	The structures and thermodynamic stability of copper(II) chloride surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 24209-15	3.6	13
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> , <b>2014</b> , 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> , <b>2014</b> , 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> , <b>2014</b> , 4, 3090-3098	5.5	19



152	Dehydrohalogenation of ethyl halides. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 4860-4868	2	34
151	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> , <b>2014</b> , 280, 38-45	12.8	3
150	Mechanism of thermal decomposition of tetrabromobisphenol A (TBBA). <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 9338-46	2.8	47
149	Mechanisms of transformation of polychlorinated diphenyl ethers into polychlorinated dibenzo-p-dioxins and dibenzofurans. <i>Chemosphere</i> , <b>2014</b> , 114, 129-35	8.4	17
148	The Effect of Additive on NO <sub>x</sub> Emission During Thermal Decomposition of Nano-Recrystallised Nitrate Salts. <i>Ceramic Transactions</i> , <b>2014</b> , 307-319	0.1	
147	Characterization of Polymer Synthesized from the Nonequilibrium Plasma Conversion of CFC-12 and Methane in a Dielectric Barrier Discharge Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 19380-19386	3.9	4
146	Thermal decomposition of 1,2-bis(2,4,6-tribromophenoxy)ethane (BTBPE), a novel brominated flame retardant. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 14335-43	10.3	43
145	Selection of acid for weak acid processing of wollastonite for mineralisation of CO <sub>2</sub> . <i>Fuel</i> , <b>2014</b> , 122, 277-286	7.1	33
144	Partial oxidation of methane with nitrous oxide forms synthesis gas over cobalt exchanged ZSM-5. <i>Catalysis Communications</i> , <b>2014</b> , 53, 42-46	3.2	16
143	Dehydroxylation of serpentine minerals: Implications for mineral carbonation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 31, 353-367	16.2	66
142	Biologically enhanced degassing and precipitation of magnesium carbonates derived from bicarbonate solutions. <i>Minerals Engineering</i> , <b>2014</b> , 61, 113-120	4.9	7
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11	Gas-Phase Reaction of Halon 1301 (CBrF <sub>3</sub> ) with Methane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 3345-3352	3.9	21
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9	Propagation of Laminar Flames in Wet Premixed Natural Gas-Air Mixtures. <i>Chemical Engineering Research and Design</i> , <b>1998</b> , 76, 81-89	5.5	15



8	Effects of the structural properties of solid fuels on their re-ignition characteristics. <i>Fire and Materials</i> , <b>1998</b> , 22, 155-165	1.8	12
7	Low-temperature oxidation of coal at elevated pressures. <i>Journal of Loss Prevention in the Process Industries</i> , <b>1998</b> , 11, 373-381	3.5	13
6	Extended kinetic theory of polymeric fluids. <i>Macromolecular Theory and Simulations</i> , <b>1996</b> , 5, 1121-1142	1.5	3
5	Direct modeling of flow of FENE fluids. <i>Rheologica Acta</i> , <b>1995</b> , 34, 384-396	2.3	1
4	Rheology of several hundred rigid bodies. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1994</b> , 53, 25-64	2.7	8
3	Microscopic and mesoscopic results from non-equilibrium molecular dynamics modeling of fene dumbbell liquids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1993</b> , 49, 23-62	2.7	11
2	Viscometric functions for FENE and generalized Lennard-Jones dumbbell liquids in Couette flow: molecular dynamics study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>1993</b> , 48, 303-335	2.7	15
1	Treatment of pitch in argon/hydrogen plasmas. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1992</b> , 31, 818-827	3.9	5