

# Phillip E Savage

## 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.

239  
papers

14,455  
citations

61  
h-index

112  
g-index

409  
ext. papers

15,897  
ext. citations

6.8  
avg, IF

7.24  
L-index

#	Paper	IF	Citations
239	Hydrothermal liquefaction of polysaccharide feedstocks with heterogeneous catalysts.. <i>Bioresource Technology</i> , <b>2022</b> , 127100	11	0
238	Identifying and Modeling Interactions between Biomass Components during Hydrothermal Liquefaction in Sub-, Near-, and Supercritical Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 13874-13882	8.3	3
237	Screening Potential Catalysts for the Hydrothermal Liquefaction of Food Waste. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 9437-9449	4.1	1
236	Green Chemistry: A Framework for a Sustainable Future. <i>Organometallics</i> , <b>2021</b> , 40, 1801-1805	3.8	2
235	Effects of Potassium Phosphates and Other Additives on Biocrude Production and Composition from Hydrothermal Liquefaction of Pectin and Chitin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8642-8648	3.9	1
234	Green Chemistry: A Framework for a Sustainable Future. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 487-491	11	2
233	Green Chemistry: A Framework for a Sustainable Future. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 8964-8968	3.9	
232	Ring-opening and hydrodenitrogenation of indole under hydrothermal conditions over Ni, Pt, Ru, and Ni-Ru bimetallic catalysts. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 126853	14.7	10
231	A molecular, elemental, and multiphase kinetic model for the hydrothermal liquefaction of microalgae. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127007	14.7	7
230	Synergistic interactions during hydrothermal liquefaction of plastics and biomolecules. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129268	14.7	13
229	Hydrothermal carbonization of simulated food waste for recovery of fatty acids and nutrients. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125872	11	2
228	Effect of Process Variables on Food Waste Valorization via Hydrothermal Liquefaction. <i>ACS ES&amp;T Engineering</i> , <b>2021</b> , 1, 363-374		14
227	Component additivity model for plastics-biomass mixtures during hydrothermal liquefaction in sub-, near-, and supercritical water.. <i>IScience</i> , <b>2021</b> , 24, 103498	6.1	0
226	Effect of Additives on Hydrothermal Liquefaction of Polysaccharides. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18480-18488	3.9	4
225	Destruction of Perfluoroalkyl Acids Accumulated in <i>Typha latifolia</i> through Hydrothermal Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 9257-9262	8.3	10
224	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6131-6133	5.6	
223	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2496-2498	4.3	

222	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , <b>2020</b> , 39, 2331-2333	3.8	
221	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 5107-5108	4.1	
220	Fast and Isothermal Hydrothermal Liquefaction of Polysaccharide Feedstocks. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3762-3772	8.3	17
219	Reaction pathways and kinetics of tryptophan in hot, compressed water. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124600	14.7	4
218	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , <b>2020</b> , 39, 1665-1666	3.8	
217	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , <b>2020</b> , 27, 198-200	1.7	
216	Fate of iron during hydrothermal liquefaction of hemin. <i>Journal of Supercritical Fluids</i> , <b>2020</b> , 157, 104705	4.2	3
215	Fast and isothermal hydrothermal liquefaction of sludge at different severities: Reaction products, pathways, and kinetics. <i>Applied Energy</i> , <b>2020</b> , 260, 114312	10.7	39
214	Oil from plastic via hydrothermal liquefaction: Production and characterization. <i>Applied Energy</i> , <b>2020</b> , 278, 115673	10.7	26
213	Heterogeneous catalyst stability during hydrodenitrogenation in supercritical water. <i>Catalysis Today</i> , <b>2020</b> , 371, 171-171	5.3	3
212	Effects of Potassium Phosphates on Hydrothermal Liquefaction of Triglyceride, Protein, and Polysaccharide. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 15313-15321	4.1	11
211	Using Solvents To Reduce the Metal Content in Crude Bio-oil from Hydrothermal Liquefaction of Microalgae. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 22488-22496	3.9	13
210	Reaction pathways and kinetics for tetra-alanine in hot, compressed liquid water. <i>Reaction Chemistry and Engineering</i> , <b>2019</b> , 4, 1237-1252	4.9	4
209	Virtual Special Issue: Invited Papers from the 255th ACS National Meeting in New Orleans. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 3561-3561	3.9	
208	110th Anniversary: Influence of Solvents on Biocrude from Hydrothermal Liquefaction of Soybean Oil, Soy Protein, Cellulose, Xylose, and Lignin, and Their Quinary Mixture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 13971-13976	3.9	18
207	Biodiversity Improves Life Cycle Sustainability Metrics in Algal Biofuel Production. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9279-9288	10.3	11
206	The individual and synergistic impacts of feedstock characteristics and reaction conditions on the aqueous co-product from hydrothermal liquefaction. <i>Algal Research</i> , <b>2019</b> , 42, 101568	5	6
205	Biocrude Production from Fast and Isothermal Hydrothermal Liquefaction of Chitin. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 11328-11338	4.1	10

204	Stability and activity maintenance of sol-gel Ni-MxOy (M=Ti, Zr, Ta) catalysts during continuous gasification of glycerol in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 148, 137-147	4.2	15
203	The independent and coupled effects of feedstock characteristics and reaction conditions on biocrude production by hydrothermal liquefaction. <i>Applied Energy</i> , <b>2019</b> , 235, 714-728	10.7	27
202	Supercritical water gasification of phenol over Ni-Ru bimetallic catalysts. <i>Water Research</i> , <b>2019</b> , 152, 12-20	12.5	20
201	Hydrothermal reaction of tryptophan over Ni-based bimetallic catalysts. <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 143, 336-345	4.2	14
200	Catalyst Oxidation and Dissolution in Supercritical Water. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1218-1229	9.6	17
199	Metals and Other Elements in Biocrude from Fast and Isothermal Hydrothermal Liquefaction of Microalgae. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 4118-4126	4.1	28
198	Stability and activity maintenance of Al <sub>2</sub> O <sub>3</sub> - and carbon nanotube-supported Ni catalysts during continuous gasification of glycerol in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2018</b> , 135, 188-197	4.2	19
197	Supercritical water upgrading of water-insoluble and water-soluble biocrudes from hydrothermal liquefaction of <i>Nannochloropsis</i> microalgae. <i>Journal of Supercritical Fluids</i> , <b>2018</b> , 133, 683-689	4.2	32
196	Biodiversity improves the ecological design of sustainable biofuel systems. <i>GCB Bioenergy</i> , <b>2018</b> , 10, 752-765	5.6	21
195	Thermodynamic Analysis of Catalyst Stability in Hydrothermal Reaction Media. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 8655-8663	3.9	15
194	Synergistic and Antagonistic Interactions during Hydrothermal Liquefaction of Soybean Oil, Soy Protein, Cellulose, Xylose, and Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14501-14509	8.3	56
193	Hydrothermal Liquefaction of Model Food Waste Biomolecules and Ternary Mixtures under Isothermal and Fast Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9018-9027	8.3	27
192	Ecological Engineering Helps Maximize Function in Algal Oil Production. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	4
191	Hydrothermal liquefaction of sewage sludge under isothermal and fast conditions. <i>Bioresource Technology</i> , <b>2017</b> , 232, 27-34	11	99
190	Modeling the effects of microalga biochemical content on the kinetics and biocrude yields from hydrothermal liquefaction. <i>Bioresource Technology</i> , <b>2017</b> , 239, 144-150	11	51
189	Effect of temperature, water loading, and Ru/C catalyst on water-insoluble and water-soluble biocrude fractions from hydrothermal liquefaction of algae. <i>Bioresource Technology</i> , <b>2017</b> , 239, 1-6	11	39
188	Algal polycultures enhance coproduct recycling from hydrothermal liquefaction. <i>Bioresource Technology</i> , <b>2017</b> , 224, 630-638	11	39
187	Announcing the 2017 Class of Influential Researchers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 10515-10515	3.9	2

186	Ecological Stoichiometry Meets Ecological Engineering: Using Polycultures to Enhance the Multifunctionality of Algal Biocrude Systems. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11450-11458	10.3	16
185	Influence of process conditions and interventions on metals content in biocrude from hydrothermal liquefaction of microalgae. <i>Algal Research</i> , <b>2017</b> , 26, 131-134	5	26
184	Influence of biodiversity, biochemical composition, and species identity on the quality of biomass and biocrude oil produced via hydrothermal liquefaction. <i>Algal Research</i> , <b>2017</b> , 26, 203-214	5	24
183	Molecular and Lumped Products from Hydrothermal Liquefaction of Bovine Serum Albumin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10967-10975	8.3	16
182	Hydrocarbon chemicals from hydrothermal processing of renewable oils over HZSM-5. <i>Biomass Conversion and Biorefinery</i> , <b>2017</b> , 7, 437-443	2.3	2
181	Products, Pathways, and Kinetics for the Fast Hydrothermal Liquefaction of Soy Protein Isolate. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 6931-6939	8.3	20
180	Power of Plankton: Effects of Algal Biodiversity on Biocrude Production and Stability. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13142-13150	10.3	23
179	Effects of processing conditions on biocrude yields from fast hydrothermal liquefaction of microalgae. <i>Bioresource Technology</i> , <b>2016</b> , 206, 290-293	11	33
178	Behavior of Cholesterol and Catalysts in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 7937-7946	4.1	6
177	Characterization of products from fast and isothermal hydrothermal liquefaction of microalgae. <i>AIChE Journal</i> , <b>2016</b> , 62, 815-828	3.6	38
176	Near- and supercritical ethanol treatment of biocrude from hydrothermal liquefaction of microalgae. <i>Bioresource Technology</i> , <b>2016</b> , 211, 779-82	11	14
175	Products and Kinetics for Isothermal Hydrothermal Liquefaction of Soy Protein Concentrate. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2725-2733	8.3	35
174	A quantitative kinetic model for the fast and isothermal hydrothermal liquefaction of <i>Nannochloropsis</i> sp. <i>Bioresource Technology</i> , <b>2016</b> , 214, 102-111	11	63
173	Catalytic Hydrothermal Liquefaction of Soy Protein Concentrate. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 3208-3214	4.1	23
172	Hydrothermal decarboxylation of unsaturated fatty acids over PtSnx/C catalysts. <i>Fuel</i> , <b>2015</b> , 156, 219-224	4.1	45
171	Aromatics from saturated and unsaturated fatty acids via zeolite catalysis in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2015</b> , 102, 73-79	4.2	20
170	Effect of reaction time and algae loading on water-soluble and insoluble biocrude fractions from hydrothermal liquefaction of algae. <i>Algal Research</i> , <b>2015</b> , 12, 60-67	5	43
169	Hydrothermal Reactions of Biomolecules Relevant for Microalgae Liquefaction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 11733-11758	3.9	98

168	Trash to Treasure: From Harmful Algal Blooms to High-Performance Electrodes for Sodium-Ion Batteries. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12543-50	10.3	72
167	Catalytic gasification of indole in supercritical water. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 202-210	21.8	31
166	Fatty Acids for Nutraceuticals and Biofuels from Hydrothermal Carbonization of Microalgae. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 4066-4071	3.9	43
165	Reaction pathways and kinetics of cholesterol in high-temperature water. <i>Chemical Engineering Journal</i> , <b>2015</b> , 265, 129-137	14.7	12
164	Supercritical water gasification of lipid-extracted hydrochar to recover energy and nutrients. <i>Journal of Supercritical Fluids</i> , <b>2015</b> , 99, 88-94	4.2	20
163	Growing Algae for Biodiesel on Direct Sunlight or Sugars: A Comparative Life Cycle Assessment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 386-395	8.3	26
162	Kinetic model for reactions of indole under supercritical water gasification conditions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 241, 327-335	14.7	30
161	I&EC Research: Looking Ahead. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 1-1	3.9	9
160	Hydrothermal Liquefaction of Bacteria and Yeast Monocultures. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 67-75	4.1	32
159	Catalytic Hydrothermal Liquefaction of a Microalga in a Two-Chamber Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 11939-11944	3.9	21
158	Characterization of biocrudes recovered with and without solvent after hydrothermal liquefaction of algae. <i>Algal Research</i> , <b>2014</b> , 6, 1-7	5	68
157	Life Cycle Design of an Algal Biorefinery Featuring Hydrothermal Liquefaction: Effect of Reaction Conditions and an Alternative Pathway Including Microbial Regrowth. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 867-874	8.3	36
156	Hydrothermal Catalytic Cracking of Fatty Acids with HZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 88-94	8.3	45
155	Development of NiCu Catalysts for Aqueous-Phase Hydrodeoxygenation. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2605-2615	15.1	47
154	Hydrolytic Cleavage of CD Linkages in Lignin Model Compounds Catalyzed by Water-Tolerant Lewis Acids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 2633-2639	3.9	60
153	Deactivation of Pt Catalysts during Hydrothermal Decarboxylation of Butyric Acid. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2399-2406	8.3	23
152	Hydrothermal catalytic processing of pretreated algal oil: A catalyst screening study. <i>Fuel</i> , <b>2014</b> , 120, 141-149	7.1	113
151	A general kinetic model for the hydrothermal liquefaction of microalgae. <i>Bioresource Technology</i> , <b>2014</b> , 163, 123-7	11	133

150	Stability and activity of Pt and Ni catalysts for hydrodeoxygenation in supercritical water. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 388-389, 56-65		17
149	Hydrothermal Treatment of Protein, Polysaccharide, and Lipids Alone and in Mixtures. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 7501-7509	4.1	144
148	Anisole hydrolysis in high temperature water. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 3562-9	3.6	13
147	A reaction network for the hydrothermal liquefaction of <i>Nannochloropsis</i> sp.. <i>Algal Research</i> , <b>2013</b> , 2, 416-425	5	82
146	Reaction pathways and kinetic modeling for phenol gasification in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 81, 200-209	4.2	61
145	Process improvements for the supercritical in situ transesterification of carbonized algal biomass. <i>Bioresource Technology</i> , <b>2013</b> , 136, 556-64	11	38
144	Fast Hydrothermal Liquefaction of <i>Nannochloropsis</i> sp. To Produce Biocrude. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 1391-1398	4.1	160
143	Hydrothermal catalytic production of fuels and chemicals from aquatic biomass. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2013</b> , 88, 13-24	3.5	139
142	Feedstocks for fuels and chemicals from algae: Treatment of crude bio-oil over HZSM-5. <i>Algal Research</i> , <b>2013</b> , 2, 154-163	5	96
141	Products, pathways, and kinetics for reactions of indole under supercritical water gasification conditions. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 73, 161-170	4.2	38
140	The use of hydrothermal carbonization to recycle nutrients in algal biofuel production. <i>Environmental Progress and Sustainable Energy</i> , <b>2013</b> , 32, 962-975	2.5	54
139	A perspective on algae, the environment, and energy. <i>Environmental Progress and Sustainable Energy</i> , <b>2013</b> , 32, 877-883	2.5	25
138	Triflate-catalyzed (trans)esterification of lipids within carbonized algal biomass. <i>Bioresource Technology</i> , <b>2012</b> , 111, 222-9	11	27
137	Gasification of alga <i>Nannochloropsis</i> sp. in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 61, 139-145	4.2	125
136	Chemistry. Algae under pressure and in hot water. <i>Science</i> , <b>2012</b> , 338, 1039-40	33.3	85
135	Hydrothermal liquefaction of <i>Nannochloropsis</i> sp.: Systematic study of process variables and analysis of the product fractions. <i>Biomass and Bioenergy</i> , <b>2012</b> , 46, 317-331	5.3	262
134	Kinetics and pathways for an algal phospholipid (1,2-dioleoyl-sn-glycero-3-phosphocholine) in high-temperature (175-185 °C) water. <i>Green Chemistry</i> , <b>2012</b> , 14, 2856	10	28
133	Intermediates and kinetics for phenol gasification in supercritical water. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2900-10	3.6	56



132	Hydrothermal Gasification of Nannochloropsis sp. with Ru/C. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 4575-4582	4.1	41
131	Deoxygenation of benzofuran in supercritical water over a platinum catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 123-124, 357-366	21.8	25
130	Hydrothermal reaction kinetics and pathways of phenylalanine alone and in binary mixtures. <i>ChemSusChem</i> , <b>2012</b> , 5, 1743-57	8.3	51
129	Kinetic model for supercritical water gasification of algae. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 3140-7	3.6	86
128	Reaction kinetics and pathways for phytol in high-temperature water. <i>Chemical Engineering Journal</i> , <b>2012</b> , 189-190, 336-345	14.7	34
127	Activated Carbons for Hydrothermal Decarboxylation of Fatty Acids. <i>ACS Catalysis</i> , <b>2011</b> , 1, 227-231	13.1	98
126	Catalytic treatment of crude algal bio-oil in supercritical water: optimization studies. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1447	35.4	136
125	Mechanistic Modeling of Hydrolysis and Esterification for Biofuel Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 12471-12478	3.9	17
124	Catalytic hydrothermal hydrodenitrogenation of pyridine. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 108-109, 54-60	21.8	66
123	Biorefinery sustainability assessment. <i>Environmental Progress and Sustainable Energy</i> , <b>2011</b> , 30, 743-753	2.5	33
122	Hydrothermal decarboxylation and hydrogenation of fatty acids over Pt/C. <i>ChemSusChem</i> , <b>2011</b> , 4, 481-483	6.3	179
121	Upgrading of crude algal bio-oil in supercritical water. <i>Bioresource Technology</i> , <b>2011</b> , 102, 1899-906	11	227
120	Hydrothermal Liquefaction of a Microalga with Heterogeneous Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 52-61	3.9	421
119	Modeling Hydrolysis and Esterification Kinetics for Biofuel Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 3206-3211	3.9	27
118	Characterization of Product Fractions from Hydrothermal Liquefaction of Nannochloropsis sp. and the Influence of Solvents. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 3235-3243	4.1	166
117	Catalytic hydrotreatment of crude algal bio-oil in supercritical water. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 136-143	21.8	131
116	Hydrothermal Liquefaction and Gasification of Nannochloropsis sp.. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 3639-3646	4.1	567
115	Biodiesel Production From Wet Algal Biomass through in Situ Lipid Hydrolysis and Supercritical Transesterification. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 5235-5243	4.1	226



114	Catalytic hydrothermal deoxygenation of palmitic acid. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 311	35.4	186
113	Water Under Extreme Conditions for Green Chemistry <b>2010</b> , 331		2
112	Effect of Metals on Supercritical Water Gasification of Cellulose and Lignin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 2694-2700	3.9	85
111	Hydration of 1-Phenyl-1-Propyne in High-Temperature Water with Catalysis by Water-Tolerant Lewis Acids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 535-540	3.9	18
110	Kinetic model for noncatalytic supercritical water gasification of cellulose and lignin. <i>AIChE Journal</i> , <b>2010</b> , 56, NA-NA	3.6	14
109	Roles of Water for Chemical Reactions in High-Temperature Water. <i>ChemInform</i> , <b>2010</b> , 33, no-no		2
108	Kinetics and mechanism of N-substituted amide hydrolysis in high-temperature water. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 51, 362-368	4.2	28
107	Noncatalytic esterification of oleic acid in ethanol. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 53, 53-59	4.2	51
106	Terephthalic acid synthesis at higher concentrations in high-temperature liquid water. 1. Effect of oxygen feed method. <i>AIChE Journal</i> , <b>2009</b> , 55, 710-716	3.6	16
105	Terephthalic acid synthesis at higher concentrations in high-temperature liquid water. 2. Eliminating undesired byproducts. <i>AIChE Journal</i> , <b>2009</b> , 55, 1530-1537	3.6	12
104	A perspective on catalysis in sub- and supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2009</b> , 47, 407-414	4.2	248
103	Expanded and Updated Results for Supercritical Water Gasification of Cellulose and Lignin in Metal-Free Reactors. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 6213-6221	4.1	54
102	A Rapid Hot-Injection Method for the Improved Hydrothermal Synthesis of CdSe Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 4316-4321	3.9	25
101	Hydrothermal Decarboxylation of Pentafluorobenzoic Acid and Quinolinic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 10467-10471	3.9	11
100	Assessment of Noncatalytic Biodiesel Synthesis Using Supercritical Reaction Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 6801-6808	3.9	112
99	Effect of pH on Ether, Ester, and Carbonate Hydrolysis in High-Temperature Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 577-584	3.9	41
98	Supercritical Water Gasification of Phenol and Glycine as Models for Plant and Protein Biomass. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 871-877	4.1	63
97	Noncatalytic Gasification of Lignin in Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 1328-1334	4.1	92

96	Quantifying rate enhancements for acid catalysis in CO <sub>2</sub> -enriched high-temperature water. <i>AIChE Journal</i> , <b>2008</b> , 54, 516-528	3.6	51
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