

Zeljko Knez

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.

251
papers

8,688
citations

50
h-index

84
g-index

272
ext. papers

10,066
ext. citations

4.2
avg, IF

6.64
L-index

#	Paper	IF	Citations
251	Supercritical Fluid and Conventional Extractions of High Value-Added Compounds from Pomegranate Peels Waste: Production, Quantification and Antimicrobial Activity of Bioactive Constituents.. <i>Plants</i> , 2022 , 11,	4.5	3
250	The Synthesis of (Magnetic) Crosslinked Enzyme Aggregates With Laccase, Cellulase, β -Galactosidase and Transglutaminase.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 813919	5.8	0
249	Kinetics Study of Hydrothermal Degradation of PET Waste into Useful Products. <i>Processes</i> , 2022 , 10, 24	2.9	1
248	Green Techniques for Preparation of Red Beetroot Extracts with Enhanced Biological Potential. <i>Antioxidants</i> , 2022 , 11, 805	7.1	0
247	Hop (<i>Humulus lupulus</i> L.) Essential Oils and Xanthohumol Derived from Extraction Process Using Solvents of Different Polarity. <i>Horticulturae</i> , 2022 , 8, 368	2.5	2
246	Accelerated atherosclerosis in premenopausal women with rheumatoid arthritis 15-year follow-up. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021 , 21, 477-483	3.3	1
245	Accelerated atherosclerosis in premenopausal women with rheumatoid arthritis - 15-year follow-up. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021 , 21, 477-483	3.3	0
244	Different Extraction Methods Result in Different Biological Activities against a Colon Cancer Cell Line and Healthy Colon Cells. <i>Plants</i> , 2021 , 10,	4.5	8
243	Sub- and supercritical water for chemical recycling of polyethylene terephthalate waste. <i>Chemical Engineering Science</i> , 2021 , 233, 116389	4.4	11
242	Sequence of supercritical CO ₂ extraction and subcritical H ₂ O extraction for the separation of tobacco waste into lipophilic and hydrophilic fractions. <i>Chemical Engineering Research and Design</i> , 2021 , 169, 103-115	5.5	2
241	Sub- and Supercritical Extraction of Slovenian Hops (L.) Aurora Variety Using Different Solvents. <i>Plants</i> , 2021 , 10,	4.5	5
240	Optimization of Extraction of Phenolic Compounds with Antimicrobial Properties from <i>Origanum vulgare</i> . <i>Processes</i> , 2021 , 9, 1032	2.9	3
239	Influence of the Impregnation Technique on the Release of Esomeprazole from Various Bioaerogels. <i>Polymers</i> , 2021 , 13,	4.5	2
238	A Comprehensive Study of the Antibacterial Activity of Bioactive Juice and Extracts from Pomegranate (L.) Peels and Seeds. <i>Plants</i> , 2021 , 10,	4.5	5
237	Hydrothermal decomposition of polyethylene waste to hydrocarbons rich oil. <i>Journal of Supercritical Fluids</i> , 2021 , 169, 105136	4.2	5
236	Supercritical Fluids as a Tool for Green Energy and Chemicals. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2021 , 761-791	0.2	
235	Antimicrobial Efficiency of and Natural and Commercial Products. <i>Plants</i> , 2021 , 10,	4.5	7

234	Subcritical water extraction of horse chestnut (<i>Aesculus hippocastanum</i>) tree parts. <i>Journal of the Serbian Chemical Society</i> , 2021 , 86, 603-613	0.9	2
233	(Bio)nanotechnology in Food Science-Food Packaging. <i>Nanomaterials</i> , 2021 , 11,	5.4	44
232	Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources. <i>Molecules</i> , 2021 , 26,	4.8	29
231	Recycling of Carbon Fiber-Reinforced Composites-Difficulties and Future Perspectives. <i>Materials</i> , 2021 , 14,	3.5	12
230	The Influence of Extracts from Common Houseleek (<i>Sempervivum tectorum</i>) on the Metabolic Activity of Human Melanoma Cells WM-266-4. <i>Processes</i> , 2021 , 9, 1549	2.9	2
229	Enzymatic and Antimicrobial Activity of Biologically Active Samples from and. <i>Biology</i> , 2021 , 10,	4.9	2
228	Exosomes Engineering and Their Roles as Therapy Delivery Tools, Therapeutic Targets, and Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
227	Subcritical Water Extraction of Chestnut Bark and Optimization of Process Parameters. <i>Molecules</i> , 2020 , 25,	4.8	6
226	The Effect of Polyphenolics in Extracts from Natural Materials on Metabolic Activity of Metastatic Melanoma WM-266-4 Cells. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3499	2.6	3
225	Preparation and Characterization of Chitosan-Coated Pectin Aerogels: Case Study. <i>Molecules</i> , 2020 , 25,	4.8	12
224	Biodiesel Production Using Solid Acid Catalysts Based on Metal Oxides. <i>Catalysts</i> , 2020 , 10, 237	4	38
223	Biodegradable polymers, current trends of research and their applications, a review. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2020 , 26, 401-418	0.7	3
222	Supercritical Fluids as a Tool for Green Energy and Chemicals 2020 , 1105-1137		1
221	Poly(3-hydroxybutyrate): Promising biomaterial for bone tissue engineering. <i>Acta Pharmaceutica</i> , 2020 , 70, 1-15	3.2	11
220	Development of Chitosan Functionalized Magnetic Nanoparticles with Bioactive Compounds. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
219	Transglutaminase release and activity from novel poly(ϵ -caprolactone)-based composites prepared by foaming with supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2020 , 166, 105031	4.2	3
218	Immobilization of alcohol dehydrogenase from <i>Saccharomyces cerevisiae</i> onto carboxymethyl dextran-coated magnetic nanoparticles: a novel route for biocatalyst improvement via epoxy activation. <i>Scientific Reports</i> , 2020 , 10, 19478	4.9	10
217	The Influence of Hemp Extract in Combination with Ginger on the Metabolic Activity of Metastatic Cells and Microorganisms. <i>Molecules</i> , 2020 , 25,	4.8	5

216	Extraction Techniques and Analytical Methods for Characterization of Active Compounds in Species. <i>Molecules</i> , 2020 , 25,	4.8	8
215	Pharmacodynamics of malondialdehyde as indirect oxidative stress marker after arrested-heart cardiopulmonary bypass surgery. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 132, 110877	7.5	3
214	Immobilized laccase in the form of (magnetic) cross-linked enzyme aggregates for sustainable diclofenac (bio)degradation. <i>Journal of Cleaner Production</i> , 2020 , 275, 124121	10.3	38
213	Microbiological and Antioxidant Activity of Phenolic Compounds in Olive Leaf Extract. <i>Molecules</i> , 2020 , 25,	4.8	15
212	The Influence of Supercritical Carbon Dioxide on Graham Flour Enzyme Polyphenol Oxidase Activity. <i>Molecules</i> , 2020 , 25,	4.8	4
211	An Improved Reversed-Phase High-Performance Liquid Chromatography Method for the Analysis of Related Substances of Prednisolone in Active Ingredient. <i>ACS Omega</i> , 2020 , 5, 7987-8000	3.9	3
210	Separation of active compounds from tobacco waste using subcritical water extraction. <i>Journal of Supercritical Fluids</i> , 2019 , 153, 104593	4.2	11
209	Activation of cellulase cross-linked enzyme aggregates (CLEAs) in scCO ₂ . <i>Journal of Supercritical Fluids</i> , 2019 , 154, 104629	4.2	12
208	Enhanced activity of immobilized transglutaminase for cleaner production technologies. <i>Journal of Cleaner Production</i> , 2019 , 240, 118218	10.3	10
207	Hop Compounds: Extraction Techniques, Chemical Analyses, Antioxidative, Antimicrobial, and Anticarcinogenic Effects. <i>Nutrients</i> , 2019 , 11,	6.7	52
206	Chitosan-based (Nano)materials for Novel Biomedical Applications. <i>Molecules</i> , 2019 , 24,	4.8	139
205	Are supercritical fluids solvents for the future?. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019 , 141, 107532	3.7	51
204	Cannabinoids in cancer treatment: Therapeutic potential and legislation. <i>Bosnian Journal of Basic Medical Sciences</i> , 2019 , 19, 14-23	3.3	65
203	Polyolefin/ZnO Composites Prepared by Melt Processing. <i>Molecules</i> , 2019 , 24,	4.8	2
202	Preparation and characterization of polysaccharide - silica hybrid aerogels. <i>Scientific Reports</i> , 2019 , 9, 16492	4.9	8
201	Protein Release from Biodegradable Poly(ϵ -Caprolactone)-Chitosan Scaffolds Prepared in scCO ₂ . <i>Acta Chimica Slovenica</i> , 2019 , 66, 337-343	1.9	4
200	Enzyme Immobilization Onto Biochar Produced by the Hydrothermal Carbonization of Biomass. <i>Acta Chimica Slovenica</i> , 2019 , 66, 732-739	1.9	2
199	Chemical Reactions in Subcritical Supercritical Fluids 2019 , 111-131		

198	Chia Seeds (L.): An Overview-Phytochemical Profile, Isolation Methods, and Application. <i>Molecules</i> , 2019 , 25,	4.8	43
197	Advantages and disadvantages of using SC CO ₂ for enzyme release from halophilic fungi. <i>Journal of Supercritical Fluids</i> , 2019 , 143, 286-293	4.2	8
196	Extracts of White and Red Grape Skin and Rosehip Fruit: Phenolic Compounds and their Antioxidative Activity. <i>Acta Chimica Slovenica</i> , 2019 , 66, 751-761	1.9	2
195	The effect of argon contamination on interfacial tension, diffusion coefficients and storage capacity in carbon sequestration processes. <i>International Journal of Greenhouse Gas Control</i> , 2018 , 71, 142-154	4.2	4
194	Heat transfer performance of CO ₂ , ethane and their azeotropic mixture under supercritical conditions. <i>Energy</i> , 2018 , 152, 190-201	7.9	12
193	Hydrothermal Degradation of Cellulose at Temperature from 200 to 300 °C. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6576-6584	3.9	26
192	Formulation of nimodipine, fenofibrate, and o-vanillin with Brij S100 and PEG 4000 using the PGSS process. <i>Journal of Supercritical Fluids</i> , 2018 , 135, 245-253	4.2	5
191	Hyper-activation of β -galactosidase from <i>Aspergillus oryzae</i> via immobilization onto amino-silane and chitosan magnetic maghemite nanoparticles. <i>Journal of Cleaner Production</i> , 2018 , 179, 225-234	10.3	22
190	HPLC-MS/MS method optimisation for matrix metalloproteinase 3 and matrix metalloproteinase 9 determination in human blood serum using target analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 150, 137-143	3.5	4
189	Diffusion coefficients of water and propylene glycol in supercritical CO ₂ from pendant drop tensiometry. <i>Journal of Supercritical Fluids</i> , 2018 , 133, 1-8	4.2	9
188	Chemicals and value added compounds from biomass using sub- and supercritical water. <i>Journal of Supercritical Fluids</i> , 2018 , 133, 591-602	4.2	40
187	Phase equilibria of the binary systems of fenofibrate and dense gases (carbon dioxide, propane, trifluoromethane). <i>Fluid Phase Equilibria</i> , 2018 , 474, 110-115	2.5	1
186	Antitumour, Antimicrobial, Antioxidant and Antiacetylcholinesterase Effect of Ganoderma Lucidum Terpenoids and Polysaccharides: A Review. <i>Molecules</i> , 2018 , 23,	4.8	131
185	Separation of Active Compounds from Food by-Product (Cocoa Shell) Using Subcritical Water Extraction. <i>Molecules</i> , 2018 , 23,	4.8	33
184	Application of supercritical and subcritical fluids in food processing. <i>Food Quality and Safety</i> , 2018 , 2, 59-67	3.8	28
183	Density, interfacial tension, and viscosity of polyethylene glycol 6000 and supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2018 , 139, 72-79	4.2	5
182	Encapsulation and drug release of poorly water soluble nifedipine from bio-carriers. <i>Journal of Non-Crystalline Solids</i> , 2018 , 481, 486-493	3.9	19
181	Enzymatic reactions in subcritical and supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2018 , 134, 133-140	4.0	25

180	Solubility of Solids in Sub- and Supercritical Fluids: A Review 2010-2017. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 860-884	2.8	35
179	Subcritical extraction of oil from black and white chia seeds with n-propane and comparison with conventional techniques. <i>Journal of Supercritical Fluids</i> , 2018 , 140, 182-187	4.2	25
178	Bio-nanofibrous mats as potential delivering systems of natural substances. <i>Textile Reseach Journal</i> , 2017 , 87, 444-459	1.7	15
177	Discorhabdin alkaloids from Antarctic <i>Latrunculia</i> spp. sponges as a new class of cholinesterase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017 , 136, 294-304	6.8	21
176	Green corrosion inhibitors for aluminium and its alloys: a review. <i>RSC Advances</i> , 2017 , 7, 27299-27330	3.7	76
175	Evaluation of the impact of critical quality attributes and critical process parameters on quality and stability of parenteral nutrition nanoemulsions. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 341-347	4.5	5
174	Thermodynamic Data for Processing Naphthol with Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1223-1231	2.8	2
173	Novel ethanol-induced pectin-xanthan aerogel coatings for orthopedic applications. <i>Carbohydrate Polymers</i> , 2017 , 166, 365-376	10.3	31
172	Effect of addition of supercritical CO ₂ on transfer and thermodynamic properties of biodegradable polymers PEG 600 and Brij52. <i>Journal of Supercritical Fluids</i> , 2017 , 122, 10-17	4.2	8
171	Supercritical CO ₂ mediated functionalization of highly porous emulsion-derived foams: ScCO ₂ absorption and epoxidation. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 336-341	7.6	15
170	Preparation of cellulose aerogels from ionic liquid solutions for supercritical impregnation of phytol. <i>Journal of Supercritical Fluids</i> , 2017 , 130, 17-22	4.2	15
169	Supercritical fluid extraction from Saw Palmetto berries at a pressure range between 300bar and 450bar. <i>Journal of Supercritical Fluids</i> , 2017 , 120, 132-139	4.2	6
168	Thermal properties of polysaccharide aerogels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 363-370	4.1	22
167	The effects of different solvents on bioactive metabolites and <i>in vitro</i> antioxidant and anti-acetylcholinesterase activity of <i>Ganoderma lucidum</i> fruiting body and primordia extracts. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2017 , 36,	1.1	2
166	Supercritical Fluids as a Tool for Green Energy and Chemicals. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2017 , 554-587	0.2	1
165	Investigation of the thermodynamic properties of the binary system vitamin K ₃ /carbon dioxide. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2017 , 23, 563-571	0.7	
164	Redlich-Kwong equation of state for modelling the solubility of methane in water over a wide range of pressures and temperatures. <i>Fluid Phase Equilibria</i> , 2016 , 408, 108-114	2.5	12
163	Thermodynamic data for processing polyethylene glycol with non-conventional fluids. <i>Journal of Supercritical Fluids</i> , 2016 , 118, 39-47	4.2	1

162	Hydrothermal treatment of biomass for energy and chemicals. <i>Energy</i> , 2016 , 116, 1312-1322	7.9	45
161	Isolation of bioactive compounds from spruce bark waste using sub- and supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2016 , 117, 243-251	4.2	34
160	Hydrothermal Degradation of Rutin: Identification of Degradation Products and Kinetics Study. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 9196-9202	5.7	16
159	Interfacial tension and gas solubility of molten polymer polyethylene glycol in contact with supercritical carbon dioxide and argon. <i>Journal of Supercritical Fluids</i> , 2016 , 108, 45-55	4.2	15
158	Supercritical impregnation as a feasible technique for entrapment of fat-soluble vitamins into alginate aerogels. <i>Journal of Non-Crystalline Solids</i> , 2016 , 432, 519-526	3.9	56
157	Separation of xanthohumol from hop extracts by supercritical fluid chromatography. <i>Chemical Engineering Research and Design</i> , 2016 , 109, 335-345	5.5	7
156	Food Processing Using Supercritical Fluids. <i>Food Engineering Series</i> , 2016 , 413-442	0.5	3
155	PH sensitive mesoporous materials for immediate or controlled release of NSAID. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 190-200	5.3	14
154	Physicochemical characterization and bioactive compounds of stalk from hot fruits of <i>Capsicum annum</i> L.. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2016 , 35, 199	1.1	8
153	Production of biogas by SCF technology. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2016 , 22, 333-342	0.7	
152	Use of Non-Conventional Cell Disruption Method for Extraction of Proteins from Black Yeasts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016 , 4, 33	5.8	2
151	Polyphenols: Extraction Methods, Antioxidative Action, Bioavailability and Anticarcinogenic Effects. <i>Molecules</i> , 2016 , 21,	4.8	441
150	Microbial Cellulase Applications in Algal Research 2016 , 257-266		
149	Micro- and Nanocarriers for Immobilization of Enzymes 2016 ,		7
148	Enzyme-catalyzed esterification of d,l-lactic acid in different SCF/IL media. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 414-421	4.2	12
147	Optimisation of critical parameters during alginate aerogels' production. <i>Journal of Non-Crystalline Solids</i> , 2016 , 443, 112-117	3.9	12
146	High pressure impregnation of vitamin D3 into polysaccharide aerogels using moderate and low temperatures. <i>Journal of Supercritical Fluids</i> , 2016 , 118, 171-177	4.2	18
145	Isolation of phenolic compounds from larch wood waste using pressurized hot water: extraction, analysis and economic evaluation. <i>Cellulose</i> , 2015 , 22, 3359-3375	5.5	22

144	Solubility and binary diffusion coefficient of argon in polyethylene glycols of different molecular weights. <i>Journal of Supercritical Fluids</i> , 2015 , 103, 10-17	4.2	10
143	Optimization of hydrolysis of rutin in subcritical water using response surface methodology. <i>Journal of Supercritical Fluids</i> , 2015 , 104, 145-152	4.2	27
142	A synergistic interaction of 17- β -estradiol with specific cannabinoid receptor type 2 antagonist/inverse agonist on proliferation activity in primary human osteoblasts. <i>Biomedical Reports</i> , 2015 , 3, 554-558	1.8	5
141	Fast production of high-methoxyl pectin aerogels for enhancing the bioavailability of low-soluble drugs. <i>Journal of Supercritical Fluids</i> , 2015 , 106, 16-22	4.2	39
140	Particle Formation and Product Formulation Using Supercritical Fluids. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2015 , 6, 379-407	8.9	29
139	Investigation of interfacial tension of the binary system polyethylene glycol/CO ₂ by a capillary rise method. <i>Journal of Supercritical Fluids</i> , 2015 , 102, 9-16	4.2	9
138	Isolation, characterization and formulation of curcuminoids and in vitro release study of the encapsulated particles. <i>Journal of Supercritical Fluids</i> , 2015 , 103, 48-54	4.2	19
137	Formation of polysaccharide aerogels in ethanol. <i>RSC Advances</i> , 2015 , 5, 77362-77371	3.7	48
136	Simultaneous extraction of oil- and water-soluble phase from sunflower seeds with subcritical water. <i>Food Chemistry</i> , 2015 , 166, 316-323	8.5	62
135	Supercritical impregnation of drugs and supercritical fluid deposition of metals into aerogels. <i>Journal of Materials Science</i> , 2015 , 50, 1-12	4.3	46
134	Fatty acid composition and antioxidant activity of Antarctic marine sponges of the genus <i>Latrunculia</i> . <i>Polar Biology</i> , 2015 , 38, 1605-1612	2	5
133	In Vitro Degradation of Poly(d,l-lactide-co-glycolide) Foams Processed with Supercritical Fluids. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2114-2119	3.9	4
132	Effect of drying parameters on physiochemical and sensory properties of fruit powders processed by PGSS-, Vacuum- and Spray-drying. <i>Acta Chimica Slovenica</i> , 2015 , 62, 479-87	1.9	14
131	Enzymatic Reactions in Supercritical Fluids. <i>Food Engineering Series</i> , 2015 , 185-215	0.5	2
130	Two-stage extraction of antitumor, antioxidant and antiacetylcholinesterase compounds from <i>Ganoderma lucidum</i> fruiting body. <i>Journal of Supercritical Fluids</i> , 2014 , 91, 53-60	4.2	10
129	Phase equilibria of free fatty acids enriched vegetable oils and carbon dioxide: Experimental data, distribution coefficients and separation factors. <i>Journal of Supercritical Fluids</i> , 2014 , 87, 65-72	4.2	4
128	Antimicrobial activity of n-butyl lactate obtained via enzymatic esterification of lactic acid with n-butanol in supercritical trifluoromethane. <i>Journal of Supercritical Fluids</i> , 2014 , 85, 143-150	4.2	14
127	Mathematical modelling of phase equilibria for supercritical CO ₂ and polyethylene glycol of various molecular weights. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 635-640	4.2	4

126	Characterisation of biodegradable pectin aerogels and their potential use as drug carriers. <i>Carbohydrate Polymers</i> , 2014 , 113, 272-8	10.3	72
125	Solubility of β -Carotene and Glyceryl Trioleate Mixture in Supercritical CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 653-658	2.8	3
124	Industrial applications of supercritical fluids: A review. <i>Energy</i> , 2014 , 77, 235-243	7.9	269
123	Biological activities of organic extracts of four <i>Aureobasidium pullulans</i> varieties isolated from extreme marine and terrestrial habitats. <i>Natural Product Research</i> , 2014 , 28, 874-82	2.3	4
122	Argon as a potential processing media for natural and synthetic substances. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 252-257	4.2	4
121	Density and viscosity of the binary polyethylene glycol/CO ₂ systems. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 641-668	4.2	11
120	Investigation of thermodynamic properties of the binary system polyethylene glycol/CO ₂ using new methods. <i>Journal of Supercritical Fluids</i> , 2014 , 87, 50-58	4.2	24
119	Toxicity of magnetic chitosan micro and nanoparticles as carriers for biologically active substances. <i>Acta Chimica Slovenica</i> , 2014 , 61, 145-52	1.9	8
118	Different preparation methods and characterization of magnetic maghemite coated with chitosan. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	8
117	Hydrothermal reactions of agricultural and food processing wastes in sub- and supercritical water: a review of fundamentals, mechanisms, and state of research. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8003-25	5.7	169
116	Gradual hydrophobic surface functionalization of dry silica aerogels by reaction with silane precursors dissolved in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2013 , 84, 74-79	4.2	30
115	Preparation of multi-membrane alginate aerogels used for drug delivery. <i>Journal of Supercritical Fluids</i> , 2013 , 79, 209-215	4.2	55
114	Phase equilibrium data of hydrogen in pyrolysis oil and hydrogenated pyrolysis oil at elevated pressures. <i>Journal of Supercritical Fluids</i> , 2013 , 80, 86-89	4.2	10
113	Comparison of ionic and non-ionic drug release from multi-membrane spherical aerogels. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 58-66	6.5	15
112	Effect of Temperature and Pressure on the Behavior of Poly(ϵ -caprolactone) in the Presence of Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15594-15601	3.9	39
111	Phase equilibria of binary mixture of carbon monoxide and water at elevated temperatures and pressures. <i>Chemical Engineering Science</i> , 2013 , 99, 77-80	4.4	6
110	Observation of Phase Behavior for Bio-oil + Diesel + Carbon Dioxide and Bio-oil + Tail Water + Carbon Dioxide System. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 648-652	2.8	5
109	Activity of cellulase and α -amylase from <i>Hortaea werneckii</i> after cell treatment with supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2013 , 78, 143-148	4.2	12

108	Glycerol reforming in supercritical water; a short review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 23, 40-48	16.2	64
107	Phase equilibria and diffusivity of dense gases in various polyethylenes. <i>Journal of Supercritical Fluids</i> , 2013 , 78, 54-62	4.2	14
106	Bioactivation of bisphenol A and its analogs (BPF, BPAF, BPZ and DMBPA) in human liver microsomes. <i>Toxicology in Vitro</i> , 2013 , 27, 1267-76	3.6	59
105	Application of supercritical fluid extraction for separation of nutraceuticals and other phytochemicals from plant material. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2013 , 32, 183	1.1	12
104	In vitro antioxidant and antiproliferative activity of three rosemary (<i>Rosmarinus officinalis</i> L.) extract formulations. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 2052-2062	3.8	27
103	Lipase-catalyzed esterification of lactic acid in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2012 , 66, 192-197	4.2	25
102	Phase Equilibria of Glycerol Tristearate and Glycerol Trioleate in Carbon Dioxide and Sulfur Hexafluoride. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3604-3610	2.8	6
101	Synthesis and use of organic biodegradable aerogels as drug carriers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 873-86	3.5	27
100	Salt induces biosynthesis of hemolytically active compounds in the xerotolerant food-borne fungus <i>Wallemia sebi</i> . <i>FEMS Microbiology Letters</i> , 2012 , 326, 40-6	2.9	10
99	A new high-pressure micronisation process for the gentle processing of high molecular mass gelatine. <i>Food and Bioproducts Processing</i> , 2012 , 90, 79-86	4.9	3
98	Subcritical water extraction of phenolic compounds from pomegranate (<i>Punica granatum</i> L.) seed residues and investigation into their antioxidant activities with HPLC-ABTS+ assay. <i>Food and Bioproducts Processing</i> , 2012 , 90, 215-223	4.9	128
97	The Phase Structure of Novel Polycarbonate-Based Polyurethane-Organoclay Nanocomposites. <i>Advanced Materials Research</i> , 2012 , 560-561, 771-775	0.5	2
96	Solubility and Diffusivity of CO ₂ in Natural Methyl Cellulose and Sodium Carboxymethyl Cellulose. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4040-4044	2.8	7
95	Phenolic content and antioxidant potential of macerated white wines. <i>European Food Research and Technology</i> , 2011 , 233, 465-472	3.4	11
94	Immobilization of horseradish peroxidase as crosslinked enzyme aggregates (CLEAs). <i>Process Biochemistry</i> , 2011 , 46, 765-769	4.8	72
93	Processing Polymeric Biomaterials using Supercritical CO ₂ . <i>Chemie-Ingenieur-Technik</i> , 2011 , 83, 1371-1380	8.8	19
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