

# Å<sup>1/2</sup>eljko Knez

## List of Publications by Year in descending order

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269  
papers

11,852  
citations

25034

57  
h-index

36028

97  
g-index

272  
all docs

272  
docs citations

272  
times ranked

12598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenols, proanthocyanidins, flavones and flavonols in some plant materials and their antioxidant activities. <i>Food Chemistry</i> , 2005, 89, 191-198.	8.2	838
2	Polyphenols: Extraction Methods, Antioxidative Action, Bioavailability and Anticarcinogenic Effects. <i>Molecules</i> , 2016, 21, 901.	3.8	666
3	Industrial applications of supercritical fluids: A review. <i>Energy</i> , 2014, 77, 235-243.	8.8	372
4	Extraction of active ingredients from green tea ( <i>Camellia sinensis</i> ): Extraction efficiency of major catechins and caffeine. <i>Food Chemistry</i> , 2006, 96, 597-605.	8.2	356
5	Comparison of antioxidative and synergistic effects of rosemary extract with Î±-tocopherol, ascorbyl palmitate and citric acid in sunflower oil. <i>Food Chemistry</i> , 2000, 71, 229-233.	8.2	263
6	Extraction of phenolic compounds from elder berry and different grape marc varieties using organic solvents and/or supercritical carbon dioxide. <i>Journal of Food Engineering</i> , 2009, 90, 246-254.	5.2	255
7	Antitumour, Antimicrobial, Antioxidant and Antiacetylcholinesterase Effect of <i>Ganoderma Lucidum</i> Terpenoids and Polysaccharides: A Review. <i>Molecules</i> , 2018, 23, 649.	3.8	242
8	Chitosan-Based (Nano)Materials for Novel Biomedical Applications. <i>Molecules</i> , 2019, 24, 1960.	3.8	230
9	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, 8003-8025.	5.2	199
10	Adsorption of toxic organic compounds from water with hydrophobic silica aerogels. <i>Journal of Colloid and Interface Science</i> , 2007, 310, 362-368.	9.4	185
11	Solvent extraction study of antioxidants from Balm ( <i>Melissa officinalis</i> L.) leaves. <i>Food Chemistry</i> , 2003, 80, 275-282.	8.2	173
12	Antioxidant and antimicrobial activity of guarana seed extracts. <i>Food Chemistry</i> , 2007, 104, 1258-1268.	8.2	172
13	Micronization of drugs using supercritical carbon dioxide. <i>International Journal of Pharmaceutics</i> , 1999, 182, 33-39.	5.2	163
14	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.	3.6	149
15	Particles formation and particle design using supercritical fluids. <i>Current Opinion in Solid State and Materials Science</i> , 2003, 7, 353-361.	11.5	147
16	Green corrosion inhibitors for aluminium and its alloys: a review. <i>RSC Advances</i> , 2017, 7, 27299-27330.	3.6	134
17	Lipase-catalyzed synthesis of fatty acid fructose esters. <i>Journal of Food Engineering</i> , 2006, 77, 880-886.	5.2	128
18	Compressed gases as alternative enzymatic-reaction solvents: a short review. <i>Journal of Supercritical Fluids</i> , 2002, 23, 29-42.	3.2	124

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19	Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources. <i>Molecules</i> , 2021, 26, 753.	3.8	122
20	Cannabinoids in cancer treatment: Therapeutic potential and legislation. <i>Bosnian Journal of Basic Medical Sciences</i> , 2019, 19, 14-23.	1.0	120
21	Activity and stability of lipases from different sources in supercritical carbon dioxide and near-critical propane. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 1260-1266.	3.2	114
22	Enzymatic synthesis of sugar fatty acid esters in organic solvent and in supercritical carbon dioxide and their antimicrobial activity. <i>Journal of Supercritical Fluids</i> , 2008, 45, 338-345.	3.2	110
23	(Bio)Nanotechnology in Food Science – Food Packaging. <i>Nanomaterials</i> , 2021, 11, 292.	4.1	106
24	Characterisation of biodegradable pectin aerogels and their potential use as drug carriers. <i>Carbohydrate Polymers</i> , 2014, 113, 272-278.	10.2	105
25	Chia Seeds ( <i>Salvia Hispanica</i> L.): An Overview – Phytochemical Profile, Isolation Methods, and Application. <i>Molecules</i> , 2020, 25, 11.	3.8	105
26	Hop Compounds: Extraction Techniques, Chemical Analyses, Antioxidative, Antimicrobial, and Anticarcinogenic Effects. <i>Nutrients</i> , 2019, 11, 257.	4.1	102
27	Measurement of CO <sub>2</sub> solubility and diffusivity in poly(L-lactide) and poly(D,L-lactide-co-glycolide) by magnetic suspension balance. <i>Journal of Supercritical Fluids</i> , 2008, 47, 296-301.	3.2	99
28	Are supercritical fluids solvents for the future?. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 141, 107532.	3.6	99
29	Surface functionalization of silica-coated magnetic nanoparticles for covalent attachment of cholesterol oxidase. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 179-185.	2.3	97
30	Enzymatic reactions in dense gases. <i>Journal of Supercritical Fluids</i> , 2009, 47, 357-372.	3.2	95
31	Silica aerogels modified with mercapto functional groups used for Cu(II) and Hg(II) removal from aqueous solutions. <i>Desalination</i> , 2011, 269, 223-230.	8.2	95
32	Vapor-liquid equilibrium of binary CO <sub>2</sub> -organic solvent systems (ethanol, tetrahydrofuran, Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	3.2	86
33	Improvement of nifedipine dissolution characteristics using supercritical CO <sub>2</sub> . <i>International Journal of Pharmaceutics</i> , 1997, 148, 123-130.	5.2	84
34	High pressure extraction of vitamin E-rich oil from <i>Silybum marianum</i> . <i>Food Chemistry</i> , 2001, 74, 355-364.	8.2	83
35	Removal of BTEX vapours from waste gas streams using silica aerogels of different hydrophobicity. <i>Journal of Hazardous Materials</i> , 2009, 165, 1114-1118.	12.4	80
36	Bioactivation of bisphenol A and its analogs (BPF, BPAF, BPZ and DMBPA) in human liver microsomes. <i>Toxicology in Vitro</i> , 2013, 27, 1267-1276.	2.4	79

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37	Biodiesel Production Using Solid Acid Catalysts Based on Metal Oxides. <i>Catalysts</i> , 2020, 10, 237.	3.5	79
38	Supercritical fluid extraction of chamomile flower heads: Comparison with conventional extraction, kinetics and scale-up. <i>Journal of Supercritical Fluids</i> , 2007, 43, 192-198.	3.2	78
39	Glycerol reforming in supercritical water; a short review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 40-48.	16.4	78
40	Immobilization of horseradish peroxidase as crosslinked enzyme aggregates (CLEAs). <i>Process Biochemistry</i> , 2011, 46, 765-769.	3.7	76
41	Optimization of (R,S)-1-phenylethanol kinetic resolution over <i>Candida antarctica</i> lipase B in ionic liquids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 24-28.	1.8	73
42	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.	3.1	73
43	Extraction of lutein from Marigold flower petals – Experimental kinetics and modelling. <i>LWT - Food Science and Technology</i> , 2008, 41, 2008-2016.	5.2	72
44	Simultaneous extraction of oil- and water-soluble phase from sunflower seeds with subcritical water. <i>Food Chemistry</i> , 2015, 166, 316-323.	8.2	72
45	Hydrothermal treatment of biomass for energy and chemicals. <i>Energy</i> , 2016, 116, 1312-1322.	8.8	71
46	Preparation of multi-membrane alginate aerogels used for drug delivery. <i>Journal of Supercritical Fluids</i> , 2013, 79, 209-215.	3.2	70
47	Solubility of Nifedipine and Nitrendipine in Supercritical CO <sub>2</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , 1995, 40, 216-220.	1.9	69
48	Synthesis of Oleic Acid Esters Catalyzed by Immobilized Lipase. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 338-342.	5.2	67
49	Silica aerogels as supports for lipase catalyzed esterifications at sub- and supercritical conditions. <i>Journal of Supercritical Fluids</i> , 2003, 27, 169-178.	3.2	67
50	Immobilized lipase-mediated long-chain fatty acid esterification in dense carbon dioxide: bench-scale packed-bed reactor study. <i>Journal of Supercritical Fluids</i> , 2007, 41, 74-81.	3.2	67
51	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.	9.3	65
52	Extraction of chilli pepper (var. Byedige) with supercritical CO <sub>2</sub> : Effect of pressure and temperature on capsaicinoid and colour extraction efficiency. <i>Food Chemistry</i> , 2004, 87, 51-58.	8.2	63
53	Measurement and Modeling of the CO <sub>2</sub> Solubility in Poly(ethylene glycol) of Different Molecular Weights. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 185-188.	1.9	62
54	Formation of polysaccharide aerogels in ethanol. <i>RSC Advances</i> , 2015, 5, 77362-77371.	3.6	62

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55	Microbiological and Antioxidant Activity of Phenolic Compounds in Olive Leaf Extract. <i>Molecules</i> , 2020, 25, 5946.	3.8	62
56	Comparison of different methods for determination of the S <sub>0</sub> -L <sub>0</sub> G equilibrium curve of a solid component in the presence of a compressed gas. <i>Fluid Phase Equilibria</i> , 2000, 173, 297-310.	2.5	61
57	Lipase-catalyzed long chain fatty ester synthesis in dense carbon dioxide: Kinetics and thermodynamics. <i>Journal of Supercritical Fluids</i> , 2007, 41, 92-101.	3.2	60
58	Chemicals and value added compounds from biomass using sub- and supercritical water. <i>Journal of Supercritical Fluids</i> , 2018, 133, 591-602.	3.2	60
59	Antioxidant and Antimicrobial Activity of Rosemary Extract in Chicken Frankfurters. <i>Journal of Food Science</i> , 2006, 71, C425-C429.	3.1	59
60	Hydrolysis of carboxymethyl cellulose catalyzed by cellulase immobilized on silica gels at low and high pressures. <i>Journal of Supercritical Fluids</i> , 2007, 43, 74-80.	3.2	58
61	Lipase-catalyzed esterification of citronellol with lauric acid in supercritical carbon dioxide/co-solvent media. <i>Journal of Supercritical Fluids</i> , 2007, 43, 199-203.	3.2	57
62	Adsorption of Water Vapor on Silica, Alumina, and Their Mixed Oxide Aerogels. <i>Journal of Chemical &amp; Engineering Data</i> , 2001, 46, 858-860.	1.9	54
63	Exosomes Engineering and Their Roles as Therapy Delivery Tools, Therapeutic Targets, and Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9543.	4.1	52
64	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.	3.2	51
65	Supercritical impregnation of drugs and supercritical fluid deposition of metals into aerogels. <i>Journal of Materials Science</i> , 2015, 50, 1-12.	3.7	51
66	Novel ethanol-induced pectin-xanthan aerogel coatings for orthopedic applications. <i>Carbohydrate Polymers</i> , 2017, 166, 365-376.	10.2	50
67	Separation of Active Compounds from Food by-Product (Cocoa Shell) Using Subcritical Water Extraction. <i>Molecules</i> , 2018, 23, 1408.	3.8	50
68	Diffusion of methanol-liquid CO <sub>2</sub> and methanol-supercritical CO <sub>2</sub> in silica aerogels. <i>Journal of Non-Crystalline Solids</i> , 1997, 221, 163-169.	3.1	48
69	Chemical Composition of <i>Juniperus communis</i> L. Fruits Supercritical CO <sub>2</sub> Extracts: Dependence on Pressure and Extraction Time. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 2630-2636.	5.2	48
70	Sub- and supercritical water for chemical recycling of polyethylene terephthalate waste. <i>Chemical Engineering Science</i> , 2021, 233, 116389.	3.8	47
71	Separation of parthenolide from feverfew: performance of conventional and high-pressure extraction techniques. <i>Separation and Purification Technology</i> , 2005, 41, 13-20.	7.9	46
72	Isolation of bioactive compounds from spruce bark waste using sub- and supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2016, 117, 243-251.	3.2	46

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73	Solubility of Solids in Sub- and Supercritical Fluids: A Review 2010–2017. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 860-884.	1.9	46
74	Effect of Temperature and Pressure on the Behavior of Poly( $\mu$ -caprolactone) in the Presence of Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15594-15601.	3.7	45
75	Hydrothermal Degradation of Cellulose at Temperature from 200 to 300 °C. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6576-6584.	3.7	45
76	Extraction and formulation of anthocyanin-concentrates from grape residues. <i>Journal of Supercritical Fluids</i> , 2008, 45, 32-36.	3.2	40
77	Application of supercritical and subcritical fluids in food processing. <i>Food Quality and Safety</i> , 2018, 2, 59-67.	1.8	40
78	Phase equilibria of the vitamins D2, D3 and K3 in binary systems with CO2 and propane. <i>Journal of Supercritical Fluids</i> , 2001, 20, 131-144.	3.2	39
79	Influence of the aromatic ring substituents on phase equilibria of vanillins in binary systems with CO2. <i>Fluid Phase Equilibria</i> , 2005, 231, 11-19.	2.5	39
80	Solubility of capsaicin in dense CO2. <i>Journal of Supercritical Fluids</i> , 1992, 5, 251-255.	3.2	38
81	Exploiting the pressure effect on lipase-catalyzed wax ester synthesis in dense carbon dioxide. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1366-1375.	3.3	38
82	Isolation of chlorophylls from stinging nettle ( <i>Urtica dioica</i> L.). <i>Separation and Purification Technology</i> , 2007, 57, 37-46.	7.9	38
83	Synthesis and Use of Organic Biodegradable Aerogels as Drug Carriers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 873-886.	3.5	38
84	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.	3.2	38
85	Recycling of Carbon Fiber-Reinforced Composites—Difficulties and Future Perspectives. <i>Materials</i> , 2021, 14, 4191.	2.9	38
86	Comparison of the Esterification of Fructose and Palmitic Acid in Organic Solvent and in Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 9631-9635.	3.7	37
87	Enzymatic reactions in dense gases. <i>Biochemical Engineering Journal</i> , 2005, 27, 120-126.	3.6	36
88	<i>In vitro</i> antioxidant and antiproliferative activity of three rosemary ( <i>Rosmarinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td 47, 2052-2062.	2.7	35
89	Particle Formation and Product Formulation Using Supercritical Fluids. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2015, 6, 379-407.	6.8	35
90	Solubility of Binary Solid Mixture $\beta$ -Carotene~Capsaicin in Dense CO2. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 2066-2069.	5.2	34

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91	Estimation of solid solubilities in supercritical carbon dioxide: Peng-Robinson adjustable binary parameters in the near critical region. <i>Fluid Phase Equilibria</i> , 2002, 203, 111-132.	2.5	34
92	Immobilization of cholesterol oxidase to finely dispersed silica-coated maghemite nanoparticles based magnetic fluid. <i>Applied Surface Science</i> , 2010, 256, 4596-4600.	6.1	34
93	Lipase-catalyzed esterification of lactic acid in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2012, 66, 192-197.	3.2	34
94	Enzymatic reactions in subcritical and supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2018, 134, 133-140.	3.2	34
95	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.	3.2	33
96	Hydrothermal decomposition of polyethylene waste to hydrocarbons rich oil. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105136.	3.2	33
97	Application of HPLC with electrochemical detection for the determination of low levels of antioxidants. <i>Journal of Food Composition and Analysis</i> , 2007, 20, 539-545.	3.9	32
98	Antioxidant activity of mandarin ( <i>Citrus reticulata</i> ) peel. <i>Acta Periodica Technologica</i> , 2010, , 195-203.	0.2	32
99	Solubility and diffusivity of CO <sub>2</sub> in poly(l-lactide)-hydroxyapatite and poly(d,l-lactide-co-glycolide)-hydroxyapatite composite biomaterials. <i>Journal of Supercritical Fluids</i> , 2011, 55, 1046-1051.	3.2	32
100	Isolation of phenolic compounds from larch wood waste using pressurized hot water: extraction, analysis and economic evaluation. <i>Cellulose</i> , 2015, 22, 3359-3375.	4.9	32
101	Modelling high pressure extraction processes. <i>Computers and Chemical Engineering</i> , 2001, 25, 879-886.	3.8	31
102	Optimization of hydrolysis of rutin in subcritical water using response surface methodology. <i>Journal of Supercritical Fluids</i> , 2015, 104, 145-152.	3.2	31
103	A Brief Evaluation of Pore Structure Determination for Bioaerogels. <i>Gels</i> , 2022, 8, 438.	4.5	31
104	Enzymatic synthesis of citronellol laurate in organic media and in supercritical carbon dioxide. <i>Biochemical Engineering Journal</i> , 2008, 42, 6-12.	3.6	30
105	Thermal properties of polysaccharide aerogels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 363-370.	3.6	30
106	Parameter optimization for the enzymatic hydrolysis of sunflower oil in high-pressure reactors. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2003, 80, 643-646.	1.9	29
107	Rosemary extracts improve flow-mediated dilatation of the brachial artery and plasma PAI-1 activity in healthy young volunteers. <i>Phytotherapy Research</i> , 2011, 25, 402-407.	5.8	29
108	Investigation of thermodynamic properties of the binary system polyethylene glycol/CO <sub>2</sub> using new methods. <i>Journal of Supercritical Fluids</i> , 2014, 87, 50-58.	3.2	29

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109	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.	3.2	29
110	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.	5.5	28
111	Encapsulation and drug release of poorly water soluble nifedipine from bio-carriers. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 486-493.	3.1	28
112	Kinetics of supercritical carbon dioxide extraction of borage and evening primrose seed oil. <i>European Journal of Lipid Science and Technology</i> , 2006, 108, 569-576.	1.5	27
113	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	27
114	Phase equilibria in systems containing $\alpha$ -tocopherol and dense gas. <i>Journal of Supercritical Fluids</i> , 2003, 26, 181-191.	3.2	26
115	Mathematical modelling of the solubility of supercritical CO <sub>2</sub> in poly(L-lactide) and poly(D,L-lactide-co-glycolide). <i>Journal of Supercritical Fluids</i> , 2009, 50, 320-326.	3.2	26
116	Solubility of some solid triazine herbicides in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 1998, 152, 95-108.	2.5	25
117	Hydrothermal Degradation of Rutin: Identification of Degradation Products and Kinetics Study. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9196-9202.	5.2	24
118	Preparation of cellulose aerogels from ionic liquid solutions for supercritical impregnation of phytol. <i>Journal of Supercritical Fluids</i> , 2017, 130, 17-22.	3.2	24
119	Hyper-activation of $\alpha$ -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.	9.3	24
120	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.	3.3	24
121	Preparation and Characterization of Chitosan-Coated Pectin Aerogels: Curcumin Case Study. <i>Molecules</i> , 2020, 25, 1187.	3.8	24
122	Solubility and diffusivity of CO <sub>2</sub> in carboxylated polyesters. <i>Journal of Supercritical Fluids</i> , 2010, 51, 306-311.	3.2	23
123	High pressure impregnation of vitamin D <sub>3</sub> into polysaccharide aerogels using moderate and low temperatures. <i>Journal of Supercritical Fluids</i> , 2016, 118, 171-177.	3.2	23
124	Modified freezing method for measuring the gas solubility along the solid-liquid-gas equilibrium line. <i>Fluid Phase Equilibria</i> , 2003, 205, 233-247.	2.5	22
125	Isolation and concentration of natural antioxidants with high-pressure extraction. <i>Innovative Food Science and Emerging Technologies</i> , 2004, 5, 245-248.	5.6	22
126	Enzymatic Reactions in High-Pressure Membrane Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 9619-9625.	3.7	22



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127	Activation of cellulase cross-linked enzyme aggregates (CLEAs) in scCO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2019, 154, 104629.	3.2	22
128	Development of Chitosan Functionalized Magnetic Nanoparticles with Bioactive Compounds. <i>Nanomaterials</i> , 2020, 10, 1913.	4.1	22
129	Processing Polymeric Biomaterials using Supercritical CO <sub>2</sub> . <i>Chemie-Ingenieur-Technik</i> , 2011, 83, 1371-1380.	0.8	21
130	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.	3.2	21
131	Optimisation of critical parameters during alginate aerogels' production. <i>Journal of Non-Crystalline Solids</i> , 2016, 443, 112-117.	3.1	21
132	Heat transfer performance of CO <sub>2</sub> , ethane and their azeotropic mixture under supercritical conditions. <i>Energy</i> , 2018, 152, 190-201.	8.8	21
133	Optimisation of n-octyl oleate enzymatic synthesis over <i>Rhizomucor miehei</i> lipase. <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 119-127.	3.4	20
134	Comparison of ionic and non-ionic drug release from multi-membrane spherical aerogels. <i>International Journal of Pharmaceutics</i> , 2013, 454, 58-66.	5.2	20
135	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.	3.2	20
136	PH sensitive mesoporous materials for immediate or controlled release of NSAID. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 190-200.	4.4	20
137	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	20
138	Extraction Techniques and Analytical Methods for Characterization of Active Compounds in <i>Origanum</i> Species. <i>Molecules</i> , 2020, 25, 4735.	3.8	20
139	High-pressure enzymatic hydrolysis of oil. <i>European Journal of Lipid Science and Technology</i> , 2002, 104, 381-386.	1.5	19
140	Insights in starch acetylation in sub- and supercritical CO <sub>2</sub> . <i>Carbohydrate Research</i> , 2011, 346, 1224-1231.	2.3	19
141	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.	3.2	19
142	Different <i>Cannabis sativa</i> Extraction Methods Result in Different Biological Activities against a Colon Cancer Cell Line and Healthy Colon Cells. <i>Plants</i> , 2021, 10, 566.	3.5	19
143	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, 479-487.	0.6	19
144	Determination of L phase transitions under gas pressure. <i>Journal of Supercritical Fluids</i> , 2010, 55, 648-652.	3.2	18

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145	Preparation and characterization of polysaccharide - silica hybrid aerogels. <i>Scientific Reports</i> , 2019, 9, 16492.	3.3	18
146	Separation of active compounds from tobacco waste using subcritical water extraction. <i>Journal of Supercritical Fluids</i> , 2019, 153, 104593.	3.2	18
147	A Comprehensive Study of the Antibacterial Activity of Bioactive Juice and Extracts from Pomegranate ( <i>Punica granatum L.</i> ) Peels and Seeds. <i>Plants</i> , 2021, 10, 1554.	3.5	18
148	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.	0.6	18
149	Phase equilibria of vanillins in compressed gases. <i>Journal of Supercritical Fluids</i> , 2007, 43, 237-248.	3.2	17
150	Bio-nanofibrous mats as potential delivering systems of natural substances. <i>Textile Research Journal</i> , 2017, 87, 444-459.	2.2	17
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