

Å^{1/2}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	Separation of Amino Acids and Peptides with Supercritical Fluids Chromatography. Separation and Purification Reviews, 2023, 52, 58-74.	5.5	3
2	The Effect of Drying Methods and Extraction Techniques on Oleuropein Content in Olive Leaves. Plants, 2022, 11, 865.	3.5	7
3	Supercritical Fluid and Conventional Extractions of High Value-Added Compounds from Pomegranate Peels Waste: Production, Quantification and Antimicrobial Activity of Bioactive Constituents. Plants, 2022, 11, 928.	3.5	15
4	The Synthesis of (Magnetic) Crosslinked Enzyme Aggregates With Laccase, Cellulase, β -Galactosidase and Transglutaminase. Frontiers in Bioengineering and Biotechnology, 2022, 10, 813919.	4.1	8
5	Evaluation of Natural Extracts as Promising Components of Bioactive Coatings for Orthopedic Implants. Frontiers in Materials, 2022, 9, .	2.4	3
6	Kinetics Study of Hydrothermal Degradation of PET Waste into Useful Products. Processes, 2022, 10, 24.	2.8	8
7	Green Techniques for Preparation of Red Beetroot Extracts with Enhanced Biological Potential. Antioxidants, 2022, 11, 805.	5.1	13
8	Hop (<i>Humulus lupulus</i> L.) Essential Oils and Xanthohumol Derived from Extraction Process Using Solvents of Different Polarity. Horticulturae, 2022, 8, 368.	2.8	10
9	Arnica Montana L. Supercritical Extraction Optimization for Antibiotic and Anticancer Activity. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	4.1	5
10	Simple, One-Pot Method for Preparing Transparent Ethyl Cellulose Films with Good Mechanical Properties. Polymers, 2022, 14, 2399.	4.5	5
11	Enzyme Activity and Physiochemical Properties of Flour after Supercritical Carbon Dioxide Processing. Foods, 2022, 11, 1826.	4.3	1
12	Phase Equilibrium Data of Tetrabutylurea, Tetramethylurea, and Tetramethylthiourea/Carbon Dioxide at Pressures up to 200 bar at 313.15 and 333.15 K. Journal of Chemical & Engineering Data, 2022, 67, 2378-2383.	1.9	4
13	Optimisation of the Green Process of Industrial Hempâ€™ Preparation and Its Extract Characterisation. Plants, 2022, 11, 1749.	3.5	3
14	A Brief Evaluation of Pore Structure Determination for Bioaerogels. Gels, 2022, 8, 438.	4.5	31
15	Hydrothermal decomposition of polyethylene waste to hydrocarbons rich oil. Journal of Supercritical Fluids, 2021, 169, 105136.	3.2	33
16	Supercritical Fluids as a Tool for Green Energy and Chemicals. Advances in Chemical and Materials Engineering Book Series, 2021, , 761-791.	0.3	0
17	Antimicrobial Efficiency of Aloe arborescens and Aloe barbadensis Natural and Commercial Products. Plants, 2021, 10, 92.	3.5	14
18	Subcritical water extraction of horse chestnut (<i>Aesculus hippocastanum</i>) tree parts. Journal of the Serbian Chemical Society, 2021, 86, 603-613.	0.8	6

#	ARTICLE	IF	CITATIONS
19	(Bio)Nanotechnology in Food Science – Food Packaging. <i>Nanomaterials</i> , 2021, 11, 292.	4.1	106
20	Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources. <i>Molecules</i> , 2021, 26, 753.	3.8	122
21	Different Cannabis sativa 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
22	Sub- and supercritical water for chemical recycling of polyethylene terephthalate waste. <i>Chemical Engineering Science</i> , 2021, 233, 116389.	3.8	47
23	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.	5.6	8
24	Sub- and Supercritical Extraction of Slovenian Hops (<i>Humulus lupulus</i> L.) Aurora Variety Using Different Solvents. <i>Plants</i> , 2021, 10, 1137.	3.5	13
25	Optimization of Extraction of Phenolic Compounds with Antimicrobial Properties from <i>Origanum vulgare</i> . <i>Processes</i> , 2021, 9, 1032.	2.8	10
26	Influence of the Impregnation Technique on the Release of Esomeprazole from Various Bioaerogels. <i>Polymers</i> , 2021, 13, 1882.	4.5	8
27	A Comprehensive Study of the Antibacterial Activity of Bioactive Juice and Extracts from Pomegranate (<i>Punica granatum</i> L.) Peels and Seeds. <i>Plants</i> , 2021, 10, 1554.	3.5	18
28	Recycling of Carbon Fiber-Reinforced Composites – Difficulties and Future Perspectives. <i>Materials</i> , 2021, 14, 4191.	2.9	38
29	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.	2.8	3
30	Enzymatic and Antimicrobial Activity of Biologically Active Samples from <i>Aloe arborescens</i> and <i>Aloe barbadensis</i> . <i>Biology</i> , 2021, 10, 765.	2.8	12
31	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
32	Effect of Hydrolyzable Tannins on Glucose-Transporter Expression and Their Bioavailability in Pig Small-Intestinal 3D Cell Model. <i>Molecules</i> , 2021, 26, 345.	3.8	5
33	Accelerated atherosclerosis in premenopausal women with rheumatoid arthritis - 15-year follow-up. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, 21, 477-483.	1.0	1
34	Accelerated atherosclerosis in premenopausal women with rheumatoid arthritis – 15-year follow-up. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, 21, 477-483.	1.0	5
35	Poly(3-hydroxybutyrate): Promising biomaterial for bone tissue engineering. <i>Acta Pharmaceutica</i> , 2020, 70, 1-15.	2.0	16
36	Chia Seeds (<i>Salvia Hispanica</i> L.): An Overview – Phytochemical Profile, Isolation Methods, and Application. <i>Molecules</i> , 2020, 25, 11.	3.8	105

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37	Development of Chitosan Functionalized Magnetic Nanoparticles with Bioactive Compounds. <i>Nanomaterials</i> , 2020, 10, 1913.	4.1	22
38	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.	3.2	8
39	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
40	The Influence of Hemp Extract in Combination with Ginger on the Metabolic Activity of Metastatic Cells and Microorganisms. <i>Molecules</i> , 2020, 25, 4992.	3.8	14
41	Extraction Techniques and Analytical Methods for Characterization of Active Compounds in <i>Origanum</i> Species. <i>Molecules</i> , 2020, 25, 4735.	3.8	20
42	Pharmacodynamics of malondialdehyde as indirect oxidative stress marker after arrested-heart cardiopulmonary bypass surgery. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110877.	5.6	15
43	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
44	Microbiological and Antioxidant Activity of Phenolic Compounds in Olive Leaf Extract. <i>Molecules</i> , 2020, 25, 5946.	3.8	62
45	The Influence of Supercritical Carbon Dioxide on Graham Flour Enzyme Polyphenol Oxidase Activity. <i>Molecules</i> , 2020, 25, 5981.	3.8	12
46	Subcritical Water Extraction of Chestnut Bark and Optimization of Process Parameters. <i>Molecules</i> , 2020, 25, 2774.	3.8	11
47	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.	2.5	4
48	Preparation and Characterization of Chitosan-Coated Pectin Aerogels: Curcumin Case Study. <i>Molecules</i> , 2020, 25, 1187.	3.8	24
49	Biodiesel Production Using Solid Acid Catalysts Based on Metal Oxides. <i>Catalysts</i> , 2020, 10, 237.	3.5	79
50	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.	3.5	12
51	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
52	Supercritical Fluids as a Tool for Green Energy and Chemicals. , 2020, , 1105-1137.		1
53	Polyolefin/ZnO Composites Prepared by Melt Processing. <i>Molecules</i> , 2019, 24, 2432.	3.8	5
54	Preparation and characterization of polysaccharide - silica hybrid aerogels. <i>Scientific Reports</i> , 2019, 9, 16492.	3.3	18

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55	Separation of active compounds from tobacco waste using subcritical water extraction. <i>Journal of Supercritical Fluids</i> , 2019, 153, 104593.	3.2	18
56	Activation of cellulase cross-linked enzyme aggregates (CLEAs) in scCO ₂ . <i>Journal of Supercritical Fluids</i> , 2019, 154, 104629.	3.2	22
57	Enhanced activity of immobilized transglutaminase for cleaner production technologies. <i>Journal of Cleaner Production</i> , 2019, 240, 118218.	9.3	14
58	Hop Compounds: Extraction Techniques, Chemical Analyses, Antioxidative, Antimicrobial, and Anticarcinogenic Effects. <i>Nutrients</i> , 2019, 11, 257.	4.1	102
59	Chitosan-Based (Nano)Materials for Novel Biomedical Applications. <i>Molecules</i> , 2019, 24, 1960.	3.8	230
60	Are supercritical fluids solvents for the future?. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 141, 107532.	3.6	99
61	Cannabinoids in cancer treatment: Therapeutic potential and legislation. <i>Bosnian Journal of Basic Medical Sciences</i> , 2019, 19, 14-23.	1.0	120
62	Advantages and disadvantages of using SC CO ₂ for enzyme release from halophilic fungi. <i>Journal of Supercritical Fluids</i> , 2019, 143, 286-293.	3.2	15
63	Protein Release from Biodegradable Poly(μ -Caprolactone)-Chitosan Scaffolds Prepared in scCO ₂ . <i>Acta Chimica Slovenica</i> , 2019, 66, 337-343.	0.6	6
64	Enzyme Immobilization Onto Biochar Produced by the Hydrothermal Carbonization of Biomass. <i>Acta Chimica Slovenica</i> , 2019, 66, 732-739.	0.6	12
65	Chemical Reactions in Subcritical Supercritical Fluids. , 2019, , 111-131.		0
66	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.	0.6	3
67	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.	4.6	6
68	Heat transfer performance of CO ₂ , ethane and their azeotropic mixture under supercritical conditions. <i>Energy</i> , 2018, 152, 190-201.	8.8	21
69	Hydrothermal Degradation of Cellulose at Temperature from 200 to 300 Å°C. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6576-6584.	3.7	45
70	Formulation of nimodipine, fenofibrate, and o-vanillin with Brij S100 and PEG 4000 using the PGSSâ„¢ process. <i>Journal of Supercritical Fluids</i> , 2018, 135, 245-253.	3.2	13
71	Hyper-activation of Å-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
72	HPLCâ€“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.	2.8	4

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73	Diffusion coefficients of water and propylene glycol in supercritical CO2 from pendant drop tensiometry. <i>Journal of Supercritical Fluids</i> , 2018, 133, 1-8.	3.2	11
74	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
75	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
76	Enzymatic reactions in subcritical and supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2018, 134, 133-140.	3.2	34
77	Solubility of Solids in Sub- and Supercritical Fluids: A Review 2010–2017. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 860-884.	1.9	46
78	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
79	Phase equilibria of the binary systems of fenofibrate and dense gases (carbon dioxide, propane,) T_j ETQq1 1 0.784314 $\frac{rgBT}{Q_{overlock} 10^{2.5}}$	2.5	2
80	Antitumour, Antimicrobial, Antioxidant and Antiacetylcholinesterase Effect of Ganoderma Lucidum Terpenoids and Polysaccharides: A Review. <i>Molecules</i> , 2018, 23, 649.	3.8	242
81	Separation of Active Compounds from Food by-Product (Cocoa Shell) Using Subcritical Water Extraction. <i>Molecules</i> , 2018, 23, 1408.	3.8	50
82	Application of supercritical and subcritical fluids in food processing. <i>Food Quality and Safety</i> , 2018, 2, 59-67.	1.8	40
83	Density, interfacial tension, and viscosity of polyethylene glycol 6000 and supercritical CO2. <i>Journal of Supercritical Fluids</i> , 2018, 139, 72-79.	3.2	8
84	CHAPTER 12. Incorporation of Drugs and Metals into Aerogels Using Supercritical Fluids. <i>RSC Green Chemistry</i> , 2018, , 374-394.	0.1	1
85	Chemical Reactions in Subcritical and Supercritical Fluids. , 2018, , 1-21.		0
86	Bio-nanofibrous mats as potential delivering systems of natural substances. <i>Textile Reseach Journal</i> , 2017, 87, 444-459.	2.2	17
87	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
88	Green corrosion inhibitors for aluminium and its alloys: a review. <i>RSC Advances</i> , 2017, 7, 27299-27330.	3.6	134
89	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.	3.0	8
90	Thermodynamic Data for Processing Naphthol with Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1223-1231.	1.9	6

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91	Novel ethanol-induced pectin-xanthan aerogel coatings for orthopedic applications. Carbohydrate Polymers, 2017, 166, 365-376.	10.2	50
92	Effect of addition of supercritical CO2 on transfer and thermodynamic properties of biodegradable polymers PEG 600 and Brij52. Journal of Supercritical Fluids, 2017, 122, 10-17.	3.2	10
93	Supercritical CO2 mediated functionalization of highly porous emulsion-derived foams: ScCO2 absorption and epoxidation. Journal of CO2 Utilization, 2017, 21, 336-341.	6.8	15
94	Preparation of cellulose aerogels from ionic liquid solutions for supercritical impregnation of phytol. Journal of Supercritical Fluids, 2017, 130, 17-22.	3.2	24
95	Supercritical fluid extraction from Saw Palmetto berries at a pressure range between 300bar and 450bar. Journal of Supercritical Fluids, 2017, 120, 132-139.	3.2	10
96	Thermal properties of polysaccharide aerogels. Journal of Thermal Analysis and Calorimetry, 2017, 127, 363-370.	3.6	30
97	The effects of different solvents on bioactive metabolites and <i>in vitro</i> antioxidant and anti-acetylcholinesterase activity of Ganoderma lucidum fruiting body and primordia extracts. Macedonian Journal of Chemistry and Chemical Engineering, 2017, 36, .	0.6	7
98	Supercritical Fluids as a Tool for Green Energy and Chemicals. Advances in Chemical and Materials Engineering Book Series, 2017, , 554-587.	0.3	1
99	Investigation of the thermodynamic properties of the binary system vitamin K3/carbon dioxide. Chemical Industry and Chemical Engineering Quarterly, 2017, 23, 563-571.	0.7	1
100	Use of Non-Conventional Cell Disruption Method for Extraction of Proteins from Black Yeasts. Frontiers in Bioengineering and Biotechnology, 2016, 4, 33.	4.1	5
101	Polyphenols: Extraction Methods, Antioxidative Action, Bioavailability and Anticarcinogenic Effects. Molecules, 2016, 21, 901.	3.8	666
102	Microbial Cellulase Applications in Algal Research. , 2016, , 257-266.		0
103	Enzyme-catalyzed esterification of d,l-lactic acid in different SCF/IL media. Journal of Supercritical Fluids, 2016, 107, 414-421.	3.2	15
104	Optimisation of critical parameters during alginate aerogels' production. Journal of Non-Crystalline Solids, 2016, 443, 112-117.	3.1	21
105	High pressure impregnation of vitamin D 3 into polysaccharide aerogels using moderate and low temperatures. Journal of Supercritical Fluids, 2016, 118, 171-177.	3.2	23
106	Thermodynamic data for processing polyethylene glycol with non-conventional fluids. Journal of Supercritical Fluids, 2016, 118, 39-47.	3.2	3
107	Hydrothermal treatment of biomass for energy and chemicals. Energy, 2016, 116, 1312-1322.	8.8	71
108	Isolation of bioactive compounds from spruce bark waste using sub- and supercritical fluids. Journal of Supercritical Fluids, 2016, 117, 243-251.	3.2	46

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109	Hydrothermal Degradation of Rutin: Identification of Degradation Products and Kinetics Study. Journal of Agricultural and Food Chemistry, 2016, 64, 9196-9202.	5.2	24
110	Interfacial tension and gas solubility of molten polymer polyethylene glycol in contact with supercritical carbon dioxide and argon. Journal of Supercritical Fluids, 2016, 108, 45-55.	3.2	20
111	Supercritical impregnation as a feasible technique for entrapment of fat-soluble vitamins into alginate aerogels. Journal of Non-Crystalline Solids, 2016, 432, 519-526.	3.1	73
112	Separation of xanthohumol from hop extracts by supercritical fluid chromatography. Chemical Engineering Research and Design, 2016, 109, 335-345.	5.6	9
113	Food Processing Using Supercritical Fluids. Food Engineering Series, 2016, , 413-442.	0.7	5
114	PH sensitive mesoporous materials for immediate or controlled release of NSAID. Microporous and Mesoporous Materials, 2016, 224, 190-200.	4.4	20
115	Redlich-Kwong equation of state for modelling the solubility of methane in water over a wide range of pressures and temperatures. Fluid Phase Equilibria, 2016, 408, 108-114.	2.5	20
116	Physicochemical characterization and bioactive compounds of stalk from hot fruits of Capsicum annuum L.. Macedonian Journal of Chemistry and Chemical Engineering, 2016, 35, 199.	0.6	12
117	Production of biogas by SCF technology. Chemical Industry and Chemical Engineering Quarterly, 2016, 22, 333-342.	0.7	1
118	Fatty acid composition and antioxidant activity of Antarctic marine sponges of the genus Latrunculia. Polar Biology, 2015, 38, 1605-1612.	1.2	6
119	In Vitro Degradation of Poly(<i>d</i> -lactide-co-glycolide) Foams Processed with Supercritical Fluids. Industrial & Engineering Chemistry Research, 2015, 54, 2114-2119.	3.7	6
120	Isolation of phenolic compounds from larch wood waste using pressurized hot water: extraction, analysis and economic evaluation. Cellulose, 2015, 22, 3359-3375.	4.9	32
121	Solubility and binary diffusion coefficient of argon in polyethylene glycols of different molecular weights. Journal of Supercritical Fluids, 2015, 103, 10-17.	3.2	13
122	Optimization of hydrolysis of rutin in subcritical water using response surface methodology. Journal of Supercritical Fluids, 2015, 104, 145-152.	3.2	31
123	A synergistic interaction of 17 β -estradiol with specific cannabinoid receptor type 2 antagonist/inverse agonist on proliferation activity in primary human osteoblasts. Biomedical Reports, 2015, 3, 554-558.	2.0	6
124	Fast production of high-methoxyl pectin aerogels for enhancing the bioavailability of low-soluble drugs. Journal of Supercritical Fluids, 2015, 106, 16-22.	3.2	51
125	Particle Formation and Product Formulation Using Supercritical Fluids. Annual Review of Chemical and Biomolecular Engineering, 2015, 6, 379-407.	6.8	35
126	Investigation of interfacial tension of the binary system polyethylene glycol/CO ₂ by a capillary rise method. Journal of Supercritical Fluids, 2015, 102, 9-16.	3.2	9

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127	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
128	Formation of polysaccharide aerogels in ethanol. <i>RSC Advances</i> , 2015, 5, 77362-77371.	3.6	62
129	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
130	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
131	Enzymatic Reactions in Supercritical Fluids. <i>Food Engineering Series</i> , 2015, , 185-215.	0.7	5
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, 479-487.	0.6	19
133	Density and viscosity of the binary polyethylene glycol/CO ₂ systems. <i>Journal of Supercritical Fluids</i> , 2014, 95, 641-668.	3.2	14
134	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.	3.2	29
135	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
136	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.	3.2	10
137	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
138	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.	3.2	4
139	Characterisation of biodegradable pectin aerogels and their potential use as drug carriers. <i>Carbohydrate Polymers</i> , 2014, 113, 272-278.	10.2	105
140	Solubility of β -Carotene and Glyceryl Trioleate Mixture in Supercritical CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 653-658.	1.9	8
141	Industrial applications of supercritical fluids: A review. <i>Energy</i> , 2014, 77, 235-243.	8.8	372
142	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, 874-882.	1.8	7
143	Argon as a potential processing media for natural and synthetic substances. <i>Journal of Supercritical Fluids</i> , 2014, 95, 252-257.	3.2	8
144	Toxicity of magnetic chitosan micro and nanoparticles as carriers for biologically active substances. <i>Acta Chimica Slovenica</i> , 2014, 61, 145-52.	0.6	9

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145	Supercritical fluid chromatography and scale up study. <i>Acta Chimica Slovenica</i> , 2014, 61, 746-58.	0.6	1
146	Different preparation methods and characterization of magnetic maghemite coated with chitosan. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	9
147	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
148	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
149	Preparation of multi-membrane alginate aerogels used for drug delivery. <i>Journal of Supercritical Fluids</i> , 2013, 79, 209-215.	3.2	70
150	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.	3.2	13
151	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
152	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.	3.7	45
153	Phase equilibria of binary mixture of carbon monoxide and water at elevated temperatures and pressures. <i>Chemical Engineering Science</i> , 2013, 99, 77-80.	3.8	8
154	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.	1.9	7
155	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.	3.2	16
156	Glycerol reforming in supercritical water; a short review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 40-48.	16.4	78
157	Phase equilibria and diffusivity of dense gases in various polyethylenes. <i>Journal of Supercritical Fluids</i> , 2013, 78, 54-62.	3.2	15
158	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
159	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
160	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.	1.9	9
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