

Fernando Cabral

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54
papers

1,788
citations

28
h-index

41
g-index

54
ext. papers

1,965
ext. citations

3.9
avg. IF

4.8
L-index

#	Paper	IF	Citations
54	Supercritical CO ₂ extraction of omega-3 rich oil from Sacha inchi (<i>Plukenetia volubilis</i> L.) seeds. <i>Journal of Supercritical Fluids</i> , 2009 , 49, 323-329	4.2	122
53	Supercritical CO ₂ extraction of lipids and astaxanthin from Brazilian redspotted shrimp waste (<i>Farfantepenaeus paulensis</i>). <i>Journal of Supercritical Fluids</i> , 2011 , 56, 164-173	4.2	96
52	Extracts from pitanga (<i>Eugenia uniflora</i> L.) leaves: Influence of extraction process on antioxidant properties and yield of phenolic compounds. <i>Journal of Supercritical Fluids</i> , 2011 , 55, 998-1006	4.2	79
51	Proximate composition and extraction of carotenoids and lipids from Brazilian redspotted shrimp waste (<i>Farfantepenaeus paulensis</i>). <i>Journal of Food Engineering</i> , 2011 , 102, 87-93	6	77
50	Volatile compounds from pitanga fruit (<i>Eugenia uniflora</i> L.). <i>Food Chemistry</i> , 2006 , 99, 1-5	8.5	70
49	Supercritical CO ₂ extraction of carotenoids from pitanga fruits (<i>Eugenia uniflora</i> L.). <i>Journal of Supercritical Fluids</i> , 2008 , 46, 33-39	4.2	69
48	Extraction of phenolic compounds from pitanga (<i>Eugenia uniflora</i> L.) leaves by sequential extraction in fixed bed extractor using supercritical CO ₂ , ethanol and water as solvents. <i>Journal of Supercritical Fluids</i> , 2014 , 86, 4-14	4.2	63
47	Extraction of bixin from annatto seeds using supercritical carbon dioxide. <i>Brazilian Journal of Chemical Engineering</i> , 2008 , 25, 419-426	1.7	61
46	Solubility of triacylglycerols in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2007 , 43, 25-31	4.2	59
45	Extraction of phenolic compounds from pepper-rosmarin (<i>Lippia sidoides</i> Cham.) leaves by sequential extraction in fixed bed extractor using supercritical CO ₂ , ethanol and water as solvents. <i>Journal of Supercritical Fluids</i> , 2015 , 99, 68-75	4.2	52
44	Extraction of anthocyanins from <i>Arrabidaea chica</i> in fixed bed using CO ₂ and CO ₂ /ethanol/water mixtures as solvents. <i>Journal of Supercritical Fluids</i> , 2013 , 81, 33-41	4.2	51
43	Extraction of fatty acids and astaxanthin from Brazilian redspotted shrimp waste using supercritical CO ₂ + ethanol mixtures. <i>Journal of Supercritical Fluids</i> , 2012 , 61, 71-77	4.2	50
42	Supercritical CO ₂ extraction of phenolic compounds from <i>Baccharis dracunculifolia</i> . <i>Journal of Supercritical Fluids</i> , 2008 , 47, 209-214	4.2	47
41	Extraction of edible avocado oil using supercritical CO ₂ and a CO ₂ /ethanol mixture as solvents. <i>Journal of Food Engineering</i> , 2017 , 194, 40-45	6	46
40	Coumarin solubility and extraction from emburana (<i>Torresea cearensis</i>) seeds with supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2008 , 43, 375-382	4.2	41
39	Extraction of anthocyanins and luteolin from <i>Arrabidaea chica</i> by sequential extraction in fixed bed using supercritical CO ₂ , ethanol and water as solvents. <i>Journal of Supercritical Fluids</i> , 2014 , 86, 100-107	4.2	37
38	Fractionation of fish oil with supercritical carbon dioxide. <i>Journal of Food Engineering</i> , 2008 , 88, 381-387	6	36

37	Extraction of bioactive compounds from cob and pericarp of purple corn (<i>Zea mays</i> L.) by sequential extraction in fixed bed extractor using supercritical CO ₂ , ethanol, and water as solvents. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 250-259	4.2	35
36	Integrated extraction process to obtain bioactive extracts of <i>Artemisia annua</i> L. leaves using supercritical CO ₂ , ethanol and water. <i>Industrial Crops and Products</i> , 2017 , 95, 535-542	5.9	35
35	Extracts from the leaves of <i>Baccharis dracunculifolia</i> obtained by a combination of extraction processes with supercritical CO ₂ , ethanol and water. <i>Journal of Supercritical Fluids</i> , 2012 , 63, 31-39	4.2	34
34	Influence of ethanol, water, and their mixtures as co-solvents of the supercritical carbon dioxide in the extraction of phenolics from purple corn cob (<i>Zea mays</i> L.). <i>Journal of Supercritical Fluids</i> , 2016 , 118, 11-18	4.2	34
33	Composition and antimalarial activity of extracts of <i>Curcuma longa</i> L. obtained by a combination of extraction processes using supercritical CO ₂ , ethanol and water as solvents. <i>Journal of Supercritical Fluids</i> , 2017 , 119, 122-129	4.2	32
32	SUPERCritical CARBON DIOXIDE SELECTIVITY TO FRACTIONATE PHENOLIC COMPOUNDS FROM THE DRY ETHANOLIC EXTRACT OF PROPOLIS. <i>Journal of Food Process Engineering</i> , 2010 , 33, 15-27	2.4	32
31	Fractionated extraction of saponins from Brazilian ginseng by sequential process using supercritical CO ₂ , ethanol and water. <i>Journal of Supercritical Fluids</i> , 2014 , 92, 272-281	4.2	31
30	Influence on the quality of essential lemon (<i>Citrus aurantifolia</i>) oil by distillation process. <i>Brazilian Journal of Chemical Engineering</i> , 2006 , 23, 147-151	1.7	31
29	Ferulic acid solubility in supercritical carbon dioxide, ethanol and water mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 285-291	2.9	31
28	Selectivity of supercritical carbon dioxide in the fractionation of fish oil with a lower content of EPA+DHA. <i>Journal of Supercritical Fluids</i> , 2012 , 61, 78-85	4.2	28
27	Extraction of essential oil of black pepper with liquid carbon dioxide. <i>Journal of Food Engineering</i> , 1993 , 20, 121-133	6	28
26	Measurements and thermodynamic modeling of the solubility of squalene in supercritical carbon dioxide. <i>Journal of Food Engineering</i> , 2010 , 96, 43-50	6	27
25	Simultaneous extraction of edible oil from avocado and capsanthin from red bell pepper using supercritical carbon dioxide as solvent. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 315-320	4.2	26
24	Lycopene-rich avocado oil obtained by simultaneous supercritical extraction from avocado pulp and tomato pomace. <i>Journal of Supercritical Fluids</i> , 2017 , 120, 1-6	4.2	25
23	Supercritical CO ₂ extraction of raw propolis and its dry ethanolic extract. <i>Brazilian Journal of Chemical Engineering</i> , 2012 , 29, 243-251	1.7	25
22	Extraction of bixin from annatto seeds using combined technologies. <i>Journal of Supercritical Fluids</i> , 2015 , 100, 175-183	4.2	24
21	Prediction of Water Activity in Sugar Solutions Using Models of Group Contribution and Equation of State.. <i>Journal of Chemical Engineering of Japan</i> , 2000 , 33, 645-653	0.8	23
20	Solubility of protocatechuic acid, sinapic acid and chrysin in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016 , 112, 89-94	4.2	22

19	Scale-up study of supercritical fluid extraction process for <i>Baccharis dracunculifolia</i> . <i>Journal of Supercritical Fluids</i> , 2016 , 107, 219-225	4.2	19
18	Sequential extraction of bioactive compounds from <i>Melia azedarach</i> L. in fixed bed extractor using CO ₂ , ethanol and water. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 355-363	4.2	18
17	Selective fractionation of supercritical extracts from leaves of <i>Baccharis dracunculifolia</i> . <i>Journal of Supercritical Fluids</i> , 2017 , 127, 62-70	4.2	17
16	Optimization of the extraction of phenolic compounds from purple corn cob (<i>Zea mays</i> L.) by sequential extraction using supercritical carbon dioxide, ethanol and water as solvents. <i>Journal of Supercritical Fluids</i> , 2016 , 116, 10-19	4.2	17
15	Supercritical extraction of coumarin from guaco (<i>Mikania laevigata</i> and <i>Mikania glomerata</i>) for pharmaceutical applications. <i>Journal of Supercritical Fluids</i> , 2013 , 83, 65-71	4.2	16
14	High pressure phase equilibrium of the crude green coffee oil [CO ₂ /ethanol system and the oil bioactive compounds. <i>Journal of Supercritical Fluids</i> , 2018 , 133, 49-57	4.2	15
13	Brazilian green propolis extracts obtained by conventional processes and by processes at high pressure with supercritical carbon dioxide, ethanol and water. <i>Journal of Supercritical Fluids</i> , 2017 , 130, 189-197	4.2	14
12	A new method for estimating solubility of fatty acids, esters, and triglycerides in supercritical carbon dioxide. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2001 , 78, 827-829	1.8	14
11	Solubility of Embryanol in supercritical carbon dioxide and extraction from rice bran. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 196-200	4.2	12
10	Selective fractionation of extracts of <i>Arrabidaea chica</i> Verlot using supercritical carbon dioxide as antisolvent. <i>Journal of Supercritical Fluids</i> , 2018 , 133, 9-16	4.2	12
9	Isolation of spilanthol from <i>Acmella oleracea</i> based on Green Chemistry and evaluation of its in vitro anti-inflammatory activity. <i>Journal of Supercritical Fluids</i> , 2018 , 140, 372-379	4.2	10
8	Prediction of solid solute solubility in supercritical CO ₂ with cosolvents using the CPA EoS. <i>Fluid Phase Equilibria</i> , 2019 , 482, 1-10	2.5	9
7	Fractionation of ethanolic and hydroalcoholic extracts of green propolis using supercritical carbon dioxide as an anti-solvent to obtain artemisinin rich-extract. <i>Journal of Supercritical Fluids</i> , 2018 , 138, 167-173	4.2	8
6	Solubility of caffeic acid in CO ₂ + ethanol: Experimental and predicted data using Cubic Plus Association Equation of State. <i>Journal of Supercritical Fluids</i> , 2018 , 138, 238-246	4.2	7
5	Prediction of the Solubility of Aromatic Compounds from Brazilian Roasted Coffee (2-Methylpyrazine; 2-Furfuryl alcohol; 2,5-Dimethylpyrazine; .GAMMA.-Butyrolactone and 2-Furfurylacetate) in SC-CO ₂ . <i>Journal of Chemical Engineering of Japan</i> , 2009 , 42, 219-230	0.8	6
4	ETHANOLIC AND HYDROALCOHOLIC EXTRACTS OF PITANGA LEAVES (<i>Eugenia uniflora</i> L.) AND THEIR FRACTIONATION BY SUPERCRITICAL TECHNOLOGY. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 1041-1051	1.7	6
3	MODELING OF PHASE EQUILIBRIA FOR AQUEOUS SOLUTIONS OF SUGARS USING A CUBIC EQUATION OF STATE. <i>Journal of Food Process Engineering</i> , 2007 , 30, 593-606	2.4	5
2	MODELLING OF HIGH-PRESSURE PHASE EQUILIBRIUM IN SYSTEMS OF INTEREST IN THE FOOD ENGINEERING FIELD USING THE PENG-ROBINSON EQUATION OF STATE WITH TWO DIFFERENT MIXING RULES. <i>Journal of Food Process Engineering</i> , 2010 , 33, 101-116	2.4	2

- 1 Solubility of oleic acid, triacylglycerol and their mixtures in supercritical carbon dioxide and thermodynamic modeling of phase equilibrium. *Journal of Supercritical Fluids*, **2019**, 143, 275-285 4.2 2