

# MarÃ-a JosÃ© Cocero

## List of Publications by Year in descending order

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208  
papers

9,122  
citations

31976

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60623

81  
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212  
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212  
docs citations

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times ranked

7495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Base-catalysed depolymerization of lignins in supercritical water: Influence of lignin nature and valorisation of pulping and biorefinery by-products. <i>Biomass and Bioenergy</i> , 2022, 163, 106536.	5.7	6
2	Model assisted supercritical fluid extraction and fractionation of added-value products from tobacco scrap. <i>Journal of Supercritical Fluids</i> , 2021, 167, 105046.	3.2	16
3	Formulation of a (E. oleracea Mart.) Pulp and seeds extracts by co-precipitation in Supercritical Antisolvent (SAS) technology. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105090.	3.2	7
4	A feasibility study on green biorefinery of high lignin content agro-food industry waste through supercritical water treatment. <i>Journal of Cleaner Production</i> , 2021, 323, 129110.	9.3	4
5	Phenolic Compounds Extraction of <i>Arbutus unedo</i> L.: Process Intensification by Microwave Pretreatment. <i>Processes</i> , 2020, 8, 298.	2.8	6
6	Microwave and ultrasound pre-treatments to enhance anthocyanins extraction from different wine lees. <i>Food Chemistry</i> , 2019, 272, 258-266.	8.2	65
7	Supercritical CO <sub>2</sub> extraction of solids using aqueous ethanol as static modifier is a two-step mass transfer process. <i>Journal of Supercritical Fluids</i> , 2019, 143, 179-190.	3.2	12
8	Ultrafast heating by high efficient biomass direct mixing with supercritical water. <i>Chemical Engineering Journal</i> , 2019, 378, 122199.	12.7	7
9	Polyphenol-Rich Extracts Obtained from Winemaking Waste Streams as Natural Ingredients with Cosmeceutical Potential. <i>Antioxidants</i> , 2019, 8, 355.	5.1	36
10	Pretreatment Processes of Biomass for Biorefineries: Current Status and Prospects. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2019, 10, 289-310.	6.8	38
11	Ultrafast hydrolysis of inulin in supercritical water: Fructooligosaccharides reaction pathway and Jerusalem artichoke valorization. <i>Industrial Crops and Products</i> , 2019, 133, 72-78.	5.2	10
12	Aromatics from lignin through ultrafast reactions in water. <i>Green Chemistry</i> , 2019, 21, 1351-1360.	9.0	38
13	Scaling up the production of sugars from agricultural biomass by ultrafast hydrolysis in supercritical water. <i>Journal of Supercritical Fluids</i> , 2019, 143, 242-250.	3.2	17
14	Supercritical CO <sub>2</sub> encapsulation of bioactive molecules in carboxylate based MOFs. <i>Journal of CO<sub>2</sub> Utilization</i> , 2019, 30, 38-47.	6.8	26
15	Impregnation of a residue extracts in silica-aerogel. <i>Journal of Supercritical Fluids</i> , 2019, 146, 120-127.	3.2	12
16	Acid and Alkali Catalyzed Hydrothermal Liquefaction of Dairy Manure Digestate and Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2724-2732.	6.7	82
17	Phenolic characterization of aging wine lees: Correlation with antioxidant activities. <i>Food Chemistry</i> , 2018, 259, 188-195.	8.2	49
18	Co-precipitation of anthocyanins of the extract obtained from blackberry residues by pressurized antisolvent process. <i>Journal of Supercritical Fluids</i> , 2018, 137, 81-92.	3.2	26

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19	CFD“Aspen Plus interconnection method. Improving thermodynamic modeling in computational fluid dynamic simulations. Computers and Chemical Engineering, 2018, 113, 152-161.	3.8	21
20	A green desuperheater for an energetic efficient alternative to the decompression valve in biomass supercritical water ultrafast hydrolysis process. Journal of Supercritical Fluids, 2018, 133, 704-715.	3.2	6
21	Understanding biomass fractionation in subcritical & supercritical water. Journal of Supercritical Fluids, 2018, 133, 550-565.	3.2	174
22	Supercritical water processes: Future prospects. Journal of Supercritical Fluids, 2018, 134, 124-132.	3.2	44
23	Tailoring the Structure and Morphology of Low-Molecular-Weight Cellulose Produced during Supercritical Water Hydrolysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 16959-16967.	6.7	16
24	Perspectives on the integration of a supercritical fluid extraction plant to a sugarcane biorefinery: thermo-economical evaluation of CO2 recycle systems. Food Science and Technology, 2018, 38, 13-18.	1.7	10
25	Carbon Dioxide Hydrogenation by Means of Plasmonic Resonance Activation in Silica Aerogel Media. Materials, 2018, 11, 2134.	2.9	4
26	Production of saccharides from sugar beet pulp by ultrafast hydrolysis in supercritical water. Journal of Cleaner Production, 2018, 204, 888-895.	9.3	29
27	Storage stability and simulated gastrointestinal release of spray dried grape marc phenolics. Food and Bioproducts Processing, 2018, 112, 96-107.	3.6	29
28	Redefining conventional biomass hydrolysis models by including mass transfer effects. Kinetic model of cellulose hydrolysis in supercritical water. Chemical Engineering Journal, 2018, 350, 463-473.	12.7	14
29	Integrating reduced graphene oxide with microwave-subcritical water for cellulose depolymerization. Catalysis Science and Technology, 2018, 8, 5434-5444.	4.1	9
30	Chemical composition and extraction kinetics of Holm oak ( Quercus ilex ) hemicelluloses using subcritical water. Journal of Supercritical Fluids, 2017, 129, 56-62.	3.2	27
31	Measurement and modelling of mass transport properties during the supercritical fluid extraction of emulsions. Journal of Supercritical Fluids, 2017, 129, 36-47.	3.2	10
32	Quercetin loaded particles production by means of supercritical fluid extraction of emulsions: Process scale-upstudy and thermo-economic evaluation. Food and Bioproducts Processing, 2017, 103, 27-38.	3.6	19
33	Fluidization of nanoparticles agglomerates enhanced by supercritical carbon dioxide. Powder Technology, 2017, 318, 242-247.	4.2	10
34	Microwave pretreatment to improve extraction efficiency and polyphenol extract richness from grape pomace. Effect on antioxidant bioactivity. Food and Bioproducts Processing, 2017, 106, 162-170.	3.6	54
35	Development of barley and yeast $\beta$ -glucan aerogels for drug delivery by supercritical fluids. Journal of CO2 Utilization, 2017, 22, 262-269.	6.8	50
36	Barley and yeast $\beta$ -glucans as new emulsifier agents for the development of aqueous natural antifungal formulations. Carbohydrate Polymers, 2017, 174, 1114-1120.	10.2	6

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37	Measurement and correlation of the dielectric properties of a grape pomace extraction media. Effect of temperature and composition. <i>Journal of Food Engineering</i> , 2017, 197, 98-106.	5.2	18
38	Ionic Liquid as Reaction Media for the Production of Cellulose-Derived Polymers from Cellulosic Biomass. <i>ChemEngineering</i> , 2017, 1, 10.	2.4	28
39	A Green Desuperheater for an Energetic Efficient Alternative to the Decompression Valve in Supercritical Water Hydrolysis Process. CFD Simulation.. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 2905-2910.	0.5	1
40	Economic Analysis of an Integrated Annatto Seeds-Sugarcane Biorefinery Using Supercritical CO <sub>2</sub> Extraction as a First Step. <i>Materials</i> , 2016, 9, 494.	2.9	30
41	Prediction of residence time distributions in supercritical hydrothermal reactors working at low Reynolds numbers. <i>Chemical Engineering Journal</i> , 2016, 299, 373-385.	12.7	16
42	Supercritical antisolvent precipitation of polyphenols from grape marc extract. <i>Journal of Supercritical Fluids</i> , 2016, 118, 54-63.	3.2	29
43	Understanding bottom-up continuous hydrothermal synthesis of nanoparticles using empirical measurement and computational simulation. <i>Nano Research</i> , 2016, 9, 3377-3387.	10.4	29
44	Spray Drying Formulation of Polyphenols-Rich Grape Marc Extract: Evaluation of Operating Conditions and Different Natural Carriers. <i>Food and Bioprocess Technology</i> , 2016, 9, 2046-2058.	4.7	37
45	Simulation of the supercritical CO <sub>2</sub> extraction from natural matrices in packed bed columns: User-friendly simulator tool using Excel. <i>Journal of Supercritical Fluids</i> , 2016, 116, 198-208.	3.2	17
46	Impregnation of medicinal plant phytochemical compounds into silica and alginate aerogels. <i>Journal of Supercritical Fluids</i> , 2016, 116, 251-263.	3.2	49
47	β-Glucan recovery from <i>Ganoderma lucidum</i> by means of pressurized hot water and supercritical CO <sub>2</sub> . <i>Food and Bioproducts Processing</i> , 2016, 98, 21-28.	3.6	24
48	Optimization and modelling of the supercritical CO <sub>2</sub> deposition of Co O nanoparticles in MCM41. <i>Journal of Supercritical Fluids</i> , 2016, 110, 47-55.	3.2	11
49	Melting point depression effect with CO <sub>2</sub> in high melting temperature cellulose dissolving ionic liquids. Modeling with group contribution equation of state. <i>Journal of Supercritical Fluids</i> , 2016, 107, 590-604.	3.2	18
50	Extraction of phytochemicals from the medicinal plant <i>Clinacanthus nutans</i> Lindau by microwave-assisted extraction and supercritical carbon dioxide extraction. <i>Industrial Crops and Products</i> , 2015, 74, 83-94.	5.2	89
51	Production of water soluble quercetin formulations by pressurized ethyl acetate-in-water emulsion technique using natural origin surfactants. <i>Food Hydrocolloids</i> , 2015, 51, 295-304.	10.7	35
52	Pressure and temperature effect on cellulose hydrolysis in pressurized water. <i>Chemical Engineering Journal</i> , 2015, 276, 145-154.	12.7	61
53	Energy recovery from effluents of supercritical water oxidation reactors. <i>Journal of Supercritical Fluids</i> , 2015, 104, 1-9.	3.2	20
54	Transformation of glucose into added value compounds in a hydrothermal reaction media. <i>Journal of Supercritical Fluids</i> , 2015, 98, 204-210.	3.2	33

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55	Governing Chemistry of Cellulose Hydrolysis in Supercritical Water. <i>ChemSusChem</i> , 2015, 8, 1026-1033.	6.8	72
56	Production of stabilized quercetin aqueous suspensions by supercritical fluid extraction of emulsions. <i>Journal of Supercritical Fluids</i> , 2015, 100, 34-45.	3.2	30
57	Influence of water concentration in the viscosities and densities of cellulose dissolving ionic liquids. Correlation of viscosity data. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 8-16.	2.0	22
58	Production of water-soluble quercetin formulations by antisolvent precipitation and supercritical drying. <i>Journal of Supercritical Fluids</i> , 2015, 104, 281-290.	3.2	6
59	Hydrolysis of cellulose in supercritical water: reagent concentration as a selectivity factor. <i>Cellulose</i> , 2015, 22, 2231-2243.	4.9	38
60	Titanium dioxide nanoparticle coating in fluidized bed via supercritical anti-solvent process (SAS). <i>Chemical Engineering Journal</i> , 2015, 279, 425-432.	12.7	16
61	Encapsulation of resveratrol on lecithin and $\beta$ -glucans to enhance its action against <i>Botrytis cinerea</i> . <i>Journal of Food Engineering</i> , 2015, 165, 13-21.	5.2	30
62	Hydrothermal fractionation of woody biomass: Lignin effect on sugars recovery. <i>Bioresource Technology</i> , 2015, 191, 124-132.	9.6	20
63	Supercritical water oxidation for energy production by hydrothermal flame as internal heat source. Experimental results and energetic study. <i>Energy</i> , 2015, 90, 1584-1594.	8.8	38
64	Microwave-assisted extraction of polyphenols from <i>Clinacanthus nutans</i> Lindau medicinal plant: Energy perspective and kinetics modeling. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 97, 66-74.	3.6	52
65	Selective transformation of fructose and high fructose content biomass into lactic acid in supercritical water. <i>Catalysis Today</i> , 2015, 255, 80-86.	4.4	19
66	Energetic approach of biomass hydrolysis in supercritical water. <i>Bioresource Technology</i> , 2015, 179, 136-143.	9.6	33
67	Effect of low hydrogen to palladium molar ratios in the direct synthesis of H <sub>2</sub> O <sub>2</sub> in water in a trickle bed reactor. <i>Catalysis Today</i> , 2015, 248, 91-100.	4.4	14
68	Hydrothermal fractionation of grape seeds in subcritical water to produce oil extract, sugars and lignin. <i>Catalysis Today</i> , 2015, 257, 160-168.	4.4	27
69	Development of multicore hybrid particles for drug delivery through the precipitation of CO <sub>2</sub> saturated emulsions. <i>International Journal of Pharmaceutics</i> , 2015, 478, 9-18.	5.2	19
70	Supercritical water oxidation with hydrothermal flame as internal heat source: Efficient and clean energy production from waste. <i>Journal of Supercritical Fluids</i> , 2015, 96, 103-113.	3.2	65
71	Reaction engineering for process intensification of supercritical water biomass refining. <i>Journal of Supercritical Fluids</i> , 2015, 96, 21-35.	3.2	60
72	Simultaneous and selective recovery of cellulose and hemicellulose fractions from wheat bran by supercritical water hydrolysis. <i>Green Chemistry</i> , 2015, 17, 610-618.	9.0	72

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73	Supercritical Water Oxidation (SCWO) of Solid, Liquid and Gaseous Fuels for Energy Generation. Biofuels and Biorefineries, 2014, , 401-426.	0.5	1
74	Reactors for Supercritical Water Oxidation Processes. Biofuels and Biorefineries, 2014, , 179-205.	0.5	0
75	Development of water-soluble $\beta$ -carotene formulations by high-temperature, high-pressure emulsification and antisolvent precipitation. Food Hydrocolloids, 2014, 37, 14-24.	10.7	42
76	Thermal degradation of grape marc polyphenols. Food Chemistry, 2014, 159, 361-366.	8.2	74
77	Co-oxidation of ammonia and isopropanol in supercritical water in a tubular reactor. Chemical Engineering Research and Design, 2014, 92, 2568-2574.	5.6	35
78	Structure-response relationship of carotenoid bioaccessibility and antioxidant activity as affected by the hydroxylation and cyclization of their terminal end groups. Food Research International, 2014, 66, 107-114.	6.2	8
79	Numerical study of the influence of geometrical and operational parameters in the behavior of a hydrothermal flame in vessel reactors. Chemical Engineering Science, 2014, 112, 47-55.	3.8	16
80	Purification and isolation of $\beta$ -glucans from barley: Downstream process intensification. Chemical Engineering and Processing: Process Intensification, 2014, 84, 90-97.	3.6	14
81	Enhanced Delivery of Quercetin by Encapsulation in Poloxamers by Supercritical Antisolvent Process. Industrial & Engineering Chemistry Research, 2014, 53, 4318-4327.	3.7	59
82	Antimicrobial activity of lavandin essential oil formulations against three pathogenic food-borne bacteria. Industrial Crops and Products, 2013, 42, 243-250.	5.2	65
83	Encapsulation of Lavandin Essential Oil in Poly( $\epsilon$ -caprolactones) by PGSS Process. Chemical Engineering and Technology, 2013, 36, 1187-1192.	1.5	26
84	Solubility of $\beta$ -carotene in poly( $\epsilon$ -caprolactone) particles produced in colloidal state by Supercritical Fluid Extraction of Emulsions (SFEE). Journal of Supercritical Fluids, 2013, 84, 105-112.	3.2	12
85	Sludge destruction by means of a hydrothermal flame. Optimization of ammonia destruction conditions. Chemical Engineering Journal, 2013, 232, 1-9.	12.7	51
86	Kinetic model for isopropanol oxidation in supercritical water in hydrothermal flame regime and analysis. Journal of Supercritical Fluids, 2013, 76, 41-47.	3.2	22
87	High glucose selectivity in pressurized water hydrolysis of cellulose using ultra-fast reactors. Bioresource Technology, 2013, 135, 697-703.	9.6	74
88	Hydrogenation and decomposition kinetic study of H <sub>2</sub> O <sub>2</sub> over Pd/C catalyst in an aqueous medium at high CO <sub>2</sub> pressure. Journal of Supercritical Fluids, 2013, 74, 80-88.	3.2	13
89	Kinetic analysis of cellulose depolymerization reactions in near critical water. Journal of Supercritical Fluids, 2013, 75, 48-57.	3.2	91
90	Dielectric properties of grape marc: Effect of temperature, moisture content and sample preparation method. Journal of Food Engineering, 2013, 119, 33-39.	5.2	18

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91	Production of new hybrid systems for drug delivery by PGSS (Particles from Gas Saturated Solutions) process. Journal of Supercritical Fluids, 2013, 81, 226-235.	3.2	39
92	Production of water-soluble $\beta$ -carotene micellar formulations by novel emulsion techniques. Chemical Engineering and Processing: Process Intensification, 2013, 74, 90-96.	3.6	29
93	Lycopene solubility in mixtures of carbon dioxide and ethyl acetate. Journal of Supercritical Fluids, 2013, 75, 6-10.	3.2	12
94	Fixed-bed extraction of $\beta$ -glucan from cereals by means of pressurized hot water. Journal of Supercritical Fluids, 2013, 82, 122-128.	3.2	26
95	Pressurized hot water extraction of $\beta$ -glucans from waxy barley. Journal of Supercritical Fluids, 2013, 73, 120-125.	3.2	36
96	Ultrasound-assisted extraction of $\beta$ -glucans from barley. LWT - Food Science and Technology, 2013, 50, 57-63.	5.2	53
97	Patents Review on Lignocellulosic Biomass Processing Using Ionic Liquids. Recent Patents on Engineering, 2012, 6, 159-181.	0.4	7
98	Crystallization of Caffeine by Supercritical Antisolvent (SAS) Process: Analysis of Process Parameters and Control of Polymorphism. Crystal Growth and Design, 2012, 12, 1943-1951.	3.0	19
99	Formulation of $\beta$ -carotene with soybean lecithin by PGSS (Particles from Gas Saturated) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	3.2	46
100	Uncatalysed wet oxidation of d-glucose with hydrogen peroxide and its combination with hydrothermal electrolysis. Carbohydrate Research, 2012, 349, 33-38.	2.3	18
101	A predictive approach in modeling and simulation of heat and mass transfer during microwave heating. Application to SFME of essential oil of Lavandin Super. Chemical Engineering Science, 2012, 68, 192-201.	3.8	53
102	Formulation of $\beta$ -carotene by precipitation from pressurized ethyl acetate-on-water emulsions for application as natural colorant. Food Hydrocolloids, 2012, 26, 17-27.	10.7	95
103	Characterization of rosemary essential oil for biodegradable emulsions. Industrial Crops and Products, 2012, 37, 137-140.	5.2	67
104	Supercritical anti-solvent precipitation of carotenoid fraction from pink shrimp residue: Effect of operational conditions on encapsulation efficiency. Journal of Supercritical Fluids, 2012, 66, 342-349.	3.2	63
105	Production of stabilized sub-micrometric particles of carotenoids using supercritical fluid extraction of emulsions. Journal of Supercritical Fluids, 2012, 61, 167-174.	3.2	59
106	Formulation of $\beta$ -carotene with poly-( $\epsilon$ -caprolactones) by PGSS process. Powder Technology, 2012, 217, 77-83.	4.2	43
107	Assisted extraction of rosemary antioxidants with green solvents. Journal of Food Engineering, 2012, 109, 98-103.	5.2	201
108	Precipitation and encapsulation of rosemary antioxidants by supercritical antisolvent process. Journal of Food Engineering, 2012, 109, 9-15.	5.2	103

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109	A computational fluid dynamics study of supercritical antisolvent precipitation: Mixing effects on particle size. <i>AIChE Journal</i> , 2012, 58, 385-398.	3.6	43
110	Quantification of mixing efficiency in turbulent supercritical water hydrothermal reactors. <i>Chemical Engineering Science</i> , 2011, , .	3.8	1
111	Solubility of Bisphenol A in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 3910-3913.	1.9	5
112	Improvement of Essential Oil Steam Distillation by Microwave Pretreatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 4667-4671.	3.7	11
113	Experimental study of the supercritical water oxidation of recalcitrant compounds under hydrothermal flames using tubular reactors. <i>Water Research</i> , 2011, 45, 2485-2495.	11.3	63
114	Experimental study of hydrothermal flames formation using a tubular injector in a refrigerated reaction chamber. Influence of the operational and geometrical parameters. <i>Journal of Supercritical Fluids</i> , 2011, 59, 140-148.	3.2	32
115	Measurement and estimation of aromatic plant dielectric properties. Application to low moisture rosemary. <i>Industrial Crops and Products</i> , 2011, 33, 697-703.	5.2	21
116	Teaching advanced equations of state in applied thermodynamics courses using open source programs. <i>Education for Chemical Engineers</i> , 2011, 6, e114-e121.	4.8	28
117	The influence of the energy absorbed from microwave pretreatment on biogas production from secondary wastewater sludge. <i>Bioresource Technology</i> , 2011, 102, 10849-10854.	9.6	76
118	Quantitative Raman determination of hydrogen peroxide using the solvent as internal standard: Online application in the direct synthesis of hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2011, 166, 1061-1065.	12.7	37
119	Quantification of mixing efficiency in turbulent supercritical water hydrothermal reactors. <i>Chemical Engineering Science</i> , 2011, 66, 1576-1589.	3.8	48
120	Valorization of solid wastes from essential oil industry. <i>Journal of Food Engineering</i> , 2011, 104, 196-201.	5.2	64
121	Green tea encapsulation by means of high pressure antisolvent coprecipitation. <i>Journal of Supercritical Fluids</i> , 2011, 56, 304-311.	3.2	65
122	Estimation of lower flammability limits in high-pressure systems. Application to the direct synthesis of hydrogen peroxide using supercritical and near-critical CO <sub>2</sub> and air as diluents. <i>Journal of Supercritical Fluids</i> , 2011, 56, 33-40.	3.2	23
123	Analysis of the scale up of a transpiring wall reactor with a hydrothermal flame as a heat source for the supercritical water oxidation. <i>Journal of Supercritical Fluids</i> , 2011, 56, 21-32.	3.2	68
124	Decomposition reaction of H <sub>2</sub> O <sub>2</sub> over Pd/C catalyst in an aqueous medium at high pressure: Detailed kinetic study and modelling. <i>Journal of Supercritical Fluids</i> , 2011, 57, 227-235.	3.2	19
125	Supercritical impregnation of lavandin ( <i>Lavandula hybrida</i> ) essential oil in modified starch. <i>Journal of Supercritical Fluids</i> , 2011, 58, 313-319.	3.2	71
126	Recent Developments of Supercritical Water Oxidation: A Patents Review. <i>Recent Patents on Chemical Engineering</i> , 2011, 4, 219-230.	0.5	10



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127	Recent Developments of Supercritical Water Oxidation: A Patents Review. Recent Patents on Chemical Engineering, 2011, 4, 219-230.	0.5	1
128	Behavior of an organic solvent drop during the supercritical extraction of emulsions. AIChE Journal, 2010, 56, 1184-1195.	3.6	16
129	Direct synthesis of H <sub>2</sub> O <sub>2</sub> in methanol at low pressures over Pd/C catalyst: Semi-continuous process. Applied Catalysis A: General, 2010, 386, 28-33.	4.3	23
130	Formulation of lavandin essential oil with biopolymers by PGSS for application as biocide in ecological agriculture. Journal of Supercritical Fluids, 2010, 54, 369-377.	3.2	103
131	Computational fluid dynamics simulation of a transpiring wall reactor for supercritical water oxidation. Chemical Engineering Journal, 2010, 158, 431-440.	12.7	40
132	Determination of Phase Equilibrium (Solid~Liquid~Gas) in Poly-( $\mu$ -caprolactone)~Carbon Dioxide Systems. Journal of Chemical & Engineering Data, 2010, 55, 2781-2785.	1.9	32
133	Direct synthesis of hydrogen peroxide in methanol and water using scCO <sub>2</sub> and N <sub>2</sub> as diluents. Green Chemistry, 2010, 12, 282-289.	9.0	30
134	Particle diameter prediction in supercritical nanoparticle synthesis using three-dimensional CFD simulations. Validation for anatase titanium dioxide production. Chemical Engineering Science, 2009, 64, 3051-3059.	3.8	28
135	Encapsulation and co-precipitation processes with supercritical fluids: Fundamentals and applications. Journal of Supercritical Fluids, 2009, 47, 546-555.	3.2	333
136	Effect of synthesis conditions on photocatalytic activity of TiO <sub>2</sub> powders synthesized in supercritical CO <sub>2</sub> . Journal of Supercritical Fluids, 2009, 49, 233-238.	3.2	36
137	Numerical analysis of high-pressure fluid jets: Application to RTD prediction in supercritical reactors. Journal of Supercritical Fluids, 2009, 49, 249-255.	3.2	29
138	Supercritical fluidized bed modeling. Journal of Supercritical Fluids, 2009, 50, 54-60.	3.2	29
139	Numerical modelling of hydrothermal flames. Micromixing effects over turbulent reaction rates. Journal of Supercritical Fluids, 2009, 50, 146-154.	3.2	52
140	Application of a group contribution equation of state for the thermodynamic modeling of the binary systems CO <sub>2</sub> ~1-butyl-3-methyl imidazolium nitrate and CO <sub>2</sub> ~1-hydroxy-1-propyl-3-methyl imidazolium nitrate. Journal of Supercritical Fluids, 2009, 50, 112-117.	3.2	33
141	Experimental study of hydrothermal flames initiation using different static mixer configurations. Journal of Supercritical Fluids, 2009, 50, 240-249.	3.2	38
142	Supercritical antisolvent precipitation from an emulsion: $\beta$ -Carotene nanoparticle formation. Journal of Supercritical Fluids, 2009, 51, 238-247.	3.2	69
143	Carotenoid processing with supercritical fluids. Journal of Food Engineering, 2009, 93, 255-265.	5.2	101
144	Formulation of a natural biocide based on lavandin essential oil by emulsification using modified starches. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1121-1128.	3.6	83

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145	Experimental Performance and Modeling of a New Cooled-Wall Reactor for the Supercritical Water Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 6262-6272.	3.7	31
146	Production of Polymorphs of Ibuprofen Sodium by Supercritical Antisolvent (SAS) Precipitation. <i>Crystal Growth and Design</i> , 2009, 9, 2504-2511.	3.0	45
147	Solubility of Polycaprolactone in Supercritical Carbon Dioxide with Ethanol as Cosolvent. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 962-965.	1.9	11
148	RESS process in coating applications in a high pressure fluidized bed environment: Bottom and top spray experiments. <i>Chemical Engineering Journal</i> , 2008, 144, 531-539.	12.7	19
149	Modeling steam distillation of essential oils: Application to lavandin super oil. <i>AIChE Journal</i> , 2008, 54, 909-917.	3.6	35
150	Precipitation of lutein and co-precipitation of lutein and poly-lactic acid with the supercritical anti-solvent process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1594-1602.	3.6	84
151	Supercritical carbon dioxide fractionation of Lavandin essential oil: Experiments and modeling. <i>Journal of Supercritical Fluids</i> , 2008, 45, 181-188.	3.2	39
152	Residence time distribution studies of high pressure fluidized bed of microparticles. <i>Journal of Supercritical Fluids</i> , 2008, 44, 433-440.	3.2	16
153	Countercurrent de-acidification of vegetable oils using supercritical CO <sub>2</sub> : Holdup and RTD experiments. <i>Journal of Supercritical Fluids</i> , 2008, 45, 238-244.	3.2	11
154	Chemical recycling of carbon fibre composites using alcohols under subcritical and supercritical conditions. <i>Journal of Supercritical Fluids</i> , 2008, 46, 83-92.	3.2	214
155	Micronization processes with supercritical fluids: Fundamentals and mechanisms. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 339-350.	13.7	264
156	Influence of the enzyme concentration on the phase behaviour for developing a homogeneous enzymatic reaction in ionic liquid-CO <sub>2</sub> media. <i>Green Chemistry</i> , 2008, 10, 1049.	9.0	31
157	Chemical recycling of carbon fibre reinforced composites in nearcritical and supercritical water. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 454-461.	7.6	247
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