Siti Machmudah

List of Publications by Year
in descending order

158 papers	2,938 citations	185998 28 h-index	205818 48 g-index
161 all docs	161 docs citations	161 times ranked	2965 citing authors

#	Article	IF	Citations
1	Pulsed Discharge Plasma over the Surface of an Aqueous Solution to Induce Lignin Decomposition. Arabian Journal for Science and Engineering, 2022, 47, 5923-5934.	1.7	1
2	Phytochemical compounds extraction from medicinal plants by subcritical water and its encapsulation via electrospraying. AEJ - Alexandria Engineering Journal, 2022, 61, 2116-2128.	3.4	9
3	Synthesis of titanium dioxide nanoparticle by means of discharge plasma over an aqueous solution under high-pressure gas environment. AEJ - Alexandria Engineering Journal, 2022, 61, 3805-3820.	3.4	6
4	Subcritical water electrolysis for cobalt recovery from spent lithium-ion batteries in an acidic environment. Journal of Supercritical Fluids, 2022, 181, 105501.	1.6	0
5	PVP/Highly Dispersed AgNPs Nanofibers Using Ultrasonic-Assisted Electrospinning. Polymers, 2022, 14, 599.	2.0	8
6	Enhancement of Curcuma xanthorrhiza Roxb Phytochemical Dissolution via Micronization Using a Supercritical Antisolvent Technique. ACS Omega, 2022, 7, 6345-6353.	1.6	0
7	Extraction of Functional Components from Freeze-Dried Angelica furcijuga Leaves Using Supercritical Carbon Dioxide. ACS Omega, 2022, 7, 5104-5111.	1.6	5
8	Synthesis of Hollow PVP/Ag Nanoparticle Composite Fibers via Electrospinning under a Dense CO2 Environment. Polymers, 2022, 14, 89.	2.0	9
9	Reduced-Pressure Process for Fabricating Tea Tree Oilâ€"Polyvinylpyrrolidone Electrospun Fibers. Polymers, 2022, 14, 743.	2.0	2
10	Curcumin-Loaded Liposome Preparation in Ultrasound Environment under Pressurized Carbon Dioxide. Foods, 2022, 11, 1469.	1.9	8
11	Formulation and evaluation of a new semi-empirical model for solubility of plant extracts in supercritical carbon dioxide assisted by ethanol as co-solvent. Chemical Engineering Communications, 2021, 208, 1326-1334.	1.5	10
12	Ethanolâ€free extraction of resveratrol and its glycoside from Japanese knotweed rhizome by liquefied dimethyl ether without pretreatments. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2600.	0.8	13
13	Solubility of catechin and epicatechin from Arachis Hypogea skins wastes by using supercritical carbon dioxide-ethanol and its optimization. Journal of Food Measurement and Characterization, 2021, 15, 2031-2038.	1.6	13
14	Micronization of Curcuma xanthorrhiza Extract with Addition of PVP Using Supercritical CO2 as Anti-solvent. MATEC Web of Conferences, 2021, 333, 08002.	0.1	0
15	Phenolic Compound, Antioxidant and Antibacterial properties of Electrospun PVP Nanofiber loaded with Bassela rubra linn extract and Alginate from Sargassum sp.. IOP Conference Series: Materials Science and Engineering, 2021, 1143, 012015.	0.3	1
16	Bimetallic nanoparticle generation from AuÂâ˜ÂTiO2 film by pulsed laser ablation in an aqueous medium. AEJ - Alexandria Engineering Journal, 2021, 60, 2225-2234.	3.4	7
17	Pulsed Discharge Plasma in High-Pressure Environment for Water Pollutant Degradation and Nanoparticle Synthesis. Plasma, 2021, 4, 309-331.	0.7	3
18	Procyanidin and proanthocyanidin extraction from Arachis hypogaea skins by using supercritical carbon dioxide: Optimization and modeling. Journal of Food Processing and Preservation, 2021, 45, e15689.	0.9	10

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19	Yield and Extraction Rate Analysis of Phytochemical Compounds from Eucheuma cottonii, Ganoderma lucidum, and Gracilaria sp. using Subcritical Water Extraction. ASEAN Journal of Chemical Engineering, 2021, 21, 27.	0.5	2
20	Pulsed Discharge Plasma in Slug-flow Reactor System for Water Pollutant Removal and Nanoparticle Synthesis. Engineering Journal, 2021, 25, 1-17.	0.5	0
21	Recovery of valuable compounds from palm-pressed fiber by using supercritical CO ₂ assisted by ethanol: modeling and optimization. Separation Science and Technology, 2020, 55, 3126-3139.	1.3	11
22	Direct Extraction of Lutein from Wet Macroalgae by Liquefied Dimethyl Ether without Any Pretreatment. ACS Omega, 2020, 5, 24005-24010.	1.6	21
23	Synthesis and Modification of Metal Nanoparticles by Plasma over an Aqueous Solution under Pressurized Argon. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012018.	0.3	1
24	Simulation of the Drying Process of Polysaccharide Extract Solution in a Spray Dryer. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012168.	0.3	0
25	Recovery and solubility of flavonoid and phenolic contents from Arachis Hypogea in supercritical carbon dioxide assisted by ethanol as cosolvent. Journal of Food Processing and Preservation, 2020, 44, e14768.	0.9	15
26	Effect of solvent selection and nozzle geometry on Curcuma mangga micronization process using supercritical antisolvent: Experiment and CFD simulation. Food and Bioproducts Processing, 2020, 123, 367-377.	1.8	4
27	Photocatalytic degradation of organic waste derived from textile dye by ZnO-Ag nanocomposite synthesized by spray pyrolysis. AIP Conference Proceedings, 2020, , .	0.3	4
28	Atmospheric-Pressure Pulsed Discharge Plasma in a Slug Flow Reactor System for the Synthesis of Gold Nanoparticles. ACS Omega, 2020, 5, 17679-17685.	1.6	6
29	Preparation of liposomes encapsulating Î²â€“carotene using supercritical carbon dioxide with ultrasonication. Journal of Supercritical Fluids, 2020, 161, 104848.	1.6	20
30	DC-Plasma over Aqueous Solution for the Synthesis of Titanium Dioxide Nanoparticles under Pressurized Argon. ACS Omega, 2020, 5, 5443-5451.	1.6	13
31	Formation of Fine Particles from Curcumin/PVP by the Supercritical Antisolvent Process with a Coaxial Nozzle. ACS Omega, 2020, 5, 6705-6714.	1.6	21
32	Effect of Ag content in ZnO-Ag nanocomposites prepared by spray pyrolysis method for degradation of textile dye waste. AIP Conference Proceedings, 2020, , .	0.3	4
33	Emerging seaweed extraction techniques: Supercritical fluid extraction. , 2020, , 257-286.		3
34	Biogas quality upgrading by carbon mineralization with calcium hydroxide solution in continuous bubble column reactor. AIP Conference Proceedings, 2020, , .	0.3	1
35	Nonthermal Atmospheric Pressure Plasma for Methylene Blue Dye Decolorization by Using Slug Flow Reactor System. Plasma Chemistry and Plasma Processing, 2020, 40, 985-1000.	1.1	7
36	Ultrasonic-Enhanced Fabrication of Metal Nanoparticles by Laser Ablation in Liquid. Industrial & Engineering Chemistry Research, 2020, 59, 7512-7519.	1.8	13

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37	Water removal from wood biomass by liquefied dimethyl ether for enhancing heating value. Energy Reports, 2020, 6, 824-831.	2.5	8
38	Fabrication of chitosan particles through a coaxial nozzle under pressurized carbon dioxide. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2466.	0.8	0
39	Hydrothermal Synthesis: Lowâ˜Temperature Subcritical Water for Ceriaâ˜Zirconia Mixed Oxides Preparation. Indonesian Journal of Chemistry, 2020, 21, 1.	0.3	1
40	Carbonization of Lignin Extracted from Liquid Waste of Coconut Coir Delignification. Indonesian Journal of Chemistry, 2020, 20, 842.	0.3	10
41	Microparticles Formation of Ganoderma lucidum Extract by Electrospraying Method. ASEAN Journal of Chemical Engineering, 2020, 19, 74.	0.5	0
42	Supercritical Fluid Extraction and Fractionation. , 2019, , 133-171.		2
43	Electrospraying technique under pressurized carbon dioxide for hollow particle production. Reactive and Functional Polymers, 2019, 142, 44-52.	2.0	4
44	5. Supercritical fluid-assisted electrospinning. , 2019, , 99-128.		1
45	Particle micronization of Curcuma mangga rhizomes ethanolic extract/biopolymer PVP using supercritical antisolvent process. Journal of Supercritical Fluids, 2019, 146, 226-239.	1.6	19
46	Solubility model of arachis hypogea skin oil by modified supercritical carbon dioxide. Separation Science and Technology, 2019, 54, 731-740.	1.3	16
47	Photocatalytic Activity of ZnO-Ag Nanocomposites Prepared by a One-step Process using Flame Pyrolysis. International Journal of Technology, 2019, 10, 571.	0.4	11
48	Hydrothermal and Solvothermal Synthesis of Cerium-Zirconium Oxides for Catalyst Applications. International Journal of Technology, 2019, 10, 582.	0.4	1
49	Synthesis of Ceria Zirconia Oxides using Solvothermal Treatment. MATEC Web of Conferences, 2018, 156, 05014.	0.1	4
50	Extraction of peanut skin oil by modified supercritical carbon dioxide: Empirical modelling and optimization. Separation Science and Technology, 2018, 53, 2695-2703.	1.3	15
51	Extraction of Phytochemical Compounds from Eucheuma cottonii and Gracilaria sp using Supercritical CO₂ Followed by Subcritical Water. MATEC Web of Conferences, 2018, 156, 03051.	0.1	6
52	Subcritical water extraction enhancement by adding deep eutectic solvent for extracting xanthone from mangosteen pericarps. Journal of Supercritical Fluids, 2018, 133, 615-624.	1.6	52
53	Electrospinning of poly(vinyl pyrrolidone) fibers containing metal oxide nanoparticles under dense CO2. Research on Chemical Intermediates, 2018, 44, 2215-2230.	1.3	5
54	Rapid and Selective Concentration of Lycopene <i>Z</i>-isomers from Tomato Pulp by Supercritical CO₂ with Co-solvents. Solvent Extraction Research and Development, 2018, 25, 47-57.	0.5	23

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55	Mathematical modeling of supercritical CO2 extraction of valuable compounds from Eucheuma Cottonii and Gracilaria Sp. MATEC Web of Conferences, 2018, 156, 02013.	0.1	1
56	Effect of particle size on yield extract and antioxidant activity of peanut skin using modified supercritical carbon dioxide and soxhlet extraction. Journal of Food Processing and Preservation, 2018, 42, e13689.	0.9	34
57	The route of liquid precursor to ZnO nanoparticles in premixed combustion spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.3	0
58	Extraction of Î²-sitosterol from Swietenia mahagoni seeds by using supercritical carbon dioxide (SC-CO2) extraction. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 411-417.	0.4	2
59	Crystallization of All Transâ€“bâ€“carotene by Supercritical Carbon Dioxide Antisolvent via Coâ€“axial Nozzle. Engineering Journal, 2018, 22, 25-38.	0.5	9
60	Supercritical Fluids Extraction of Valuable Compounds from Algae: Future Perspectives and Challenges. Engineering Journal, 2018, 22, 13-30.	0.5	31
61	Supercritical Fluid Extraction and Fractionation. , 2018, , 1-40.		0
62	Computational fluid dynamic in combustion process using pulse combustor. AIP Conference Proceedings, 2017, , .	0.3	0
63	Synthesis of ZnO-SiO2 nanocomposite particles and their characterization by sonochemical method. AIP Conference Proceedings, 2017, , .	0.3	2
64	Modeling turbulent flow in a cylindrical tank agitated by side entering 45Â° inclined blade turbine using computational fluid dynamics (CFD). AIP Conference Proceedings, 2017, , .	0.3	0
65	Solubility correlation of gall (<scp>Quercus infectoria</scp>) extract in supercritical <scp>CO</scp>₂ using semiâ€empirical equations. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 790-797.	0.8	10
66	The influence of fuel type to combustion characteristic in diffusion flame drying by computational fluid dynamics simulation. AIP Conference Proceedings, 2017, , .	0.3	0
67	Hydrolysis of Biopolymers in Near-Critical and Subcritical Water. , 2017, , 69-107.		22
68	Hydrothermal extraction of antioxidant compounds from mangosteen pericarp with low-transition-temperature mixture and sonication pretreatment. AIP Conference Proceedings, 2017, , .	0.3	2
69	The effect of impeller type on silica sol formation in laboratory scale agitated tank. AIP Conference Proceedings, 2016, , .	0.3	0
70	Effect of Solvent on Nanoparticle Production of Î²â€Carotene by a Supercritical Antisolvent Process. Chemical Engineering and Technology, 2016, 39, 1771-1777.	0.9	11
71	CFD simulation of pulse combustionâ€™s performance. AIP Conference Proceedings, 2016, , .	0.3	1
72	Effect of turbulence modelling to predict combustion and nanoparticle production in the flame assisted spray dryer based on computational fluid dynamics. AIP Conference Proceedings, 2016, , .	0.3	0

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73	Generation of multihollow structured poly(methyl methacrylate) fibers by electrospinning under pressurized <scp>CO₂</scp>. Polymer Engineering and Science, 2016, 56, 752-759.	1.5	10
74	Nickel nanoparticles generated by pulsed laser ablation in liquid CO2. Research on Chemical Intermediates, 2016, 42, 4581-4590.	1.3	6
75	Extraction of phytochemicals from saffron by supercritical carbon dioxide with water and methanol as entrainer. Journal of Supercritical Fluids, 2016, 107, 377-383.	1.6	42
76	Macroporous zirconia particles prepared by subcritical water in batch and flow processes. Research on Chemical Intermediates, 2016, 42, 5367-5385.	1.3	4
77	Extraction ofÎ²â€“glucan by hydrothermal liquidization of barley grain in a semi-batch reactor. Separation Science and Technology, 2016, 51, 278-289.	1.3	16
78	Effects of the Duration of Ultrasonic Irradiation and the Atmospheric Environment on the Characteristics of ZnO Nanostructures via a Sonochemical Method. International Journal of Technology, 2016, 7, 981.	0.4	1
79	Economical Wet Extraction of Lipid from labyrinthula Aurantiochytrium limacinum by Using Liquefied Dimethyl Ether. Engineering Journal, 2016, 20, 145-153.	0.5	13
80	Integrated Process for Î²-glucan Concentrate from Ganoderma lucidum by Extraction and Micronization. American Chemical Science Journal, 2016, 11, 1-8.	0.2	14
81	Synthesis of Polyhedral Magnetite Particles by Hydrothermal Process under High Pressure Condition. Journal of Engineering and Technological Sciences, 2016, 48, 753-771.	0.3	0
82	Extraction of valuable compounds from mangosteen pericarps by hydrothermal assisted sonication. AIP Conference Proceedings, 2015, , .	0.3	0
83	Hydrophilic polymer composites synthesized by electrospinning under dense carbon dioxide. AIP Conference Proceedings, 2015, , .	0.3	1
84	Characteristics of ZnO nanostructures synthesized by sonochemical reaction: Effects of continuous and pulse waves. AIP Conference Proceedings, 2015, , .	0.3	3
85	Mechanism of Macroporous Zirconia Particles Formation Prepared by Hydrothermal Synthesis. Advanced Materials Research, 2015, 1112, 538-541.	0.3	1
86	Subcritical Water Extraction of Xanthone from Mangosteen (Garcinia Mangostana Linn) Pericarp. Journal of Advanced Chemical Engineering, 2015, 05, .	0.1	11
87	Preparation of Ceria-Zirconia Mixed Oxide by Hydrothermal Synthesis. Modern Applied Science, 2015, 9, 134.	0.4	9
88	Subcritical Water Extraction of Polysaccharides Using a Semi-Batch Extractor. Modern Applied Science, 2015, 9, 220.	0.4	9
89	Supercritical Fluid Extraction of Carotenoids. Food Engineering Series, 2015, , 397-426.	0.3	2
90	Magnetite thin film on mild steel formed by hydrothermal electrolysis for corrosion prevention. Chemical Engineering Journal, 2015, 268, 76-85.	6.6	15

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91	Photocatalytic Activity Inhibition by ZnO-SiO₂ Nanocomposites Synthesized by Sonochemical Method. Advanced Materials Research, 2015, 1112, 209-212.	0.3	5
92	Enhancing pressurized water extraction of Î²-glucan from barley grain by adding CO2 under hydrothermal conditions. Chemical Engineering and Processing: Process Intensification, 2015, 97, 45-54.	1.8	29
93	Extraction of carotenoids and lipids from algae by supercritical CO2 and subcritical dimethyl ether. Journal of Supercritical Fluids, 2015, 96, 245-251.	1.6	139
94	Hot Compressed Water Extraction of Lignin by Using a Flow-Through Reactor. Engineering Journal, 2015, 19, 25-44.	0.5	19
95	Extraction of Fucoxanthin from Raw Macroalgae excluding Drying and Cell Wall Disruption by Liquefied Dimethyl Ether. Marine Drugs, 2014, 12, 2383-2396.	2.2	83
96	Characteristics of optical emission intensities and bubblelike phenomena induced by laser ablation in supercritical fluids. Japanese Journal of Applied Physics, 2014, 53, 010213.	0.8	7
97	Preface: 5th Nanoscience and Nanotechnology Symposium. , 2014, , .		0
98	Fabrication of micro-hollow fiber by electrospinning process in near-critical carbon dioxide. , 2014, , .		1
99	Effect of fuel rate and annealing process of LiFePO4 cathode material for Li-ion batteries synthesized by flame spray pyrolysis method. , 2014, , .		3
100	Decomposition of methyl orange using pulsed discharge plasma at atmospheric pressure: Effect of different electrodes. Japanese Journal of Applied Physics, 2014, 53, 010212.	0.8	20
101	Formation of PVP hollow fibers by electrospinning in one-step process at sub and supercritical CO2. Chemical Engineering and Processing: Process Intensification, 2014, 77, 1-6.	1.8	30
102	Hot compressed water extraction of polysaccharides from Ganoderma lucidum using a semibatch reactor. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 125-133.	0.8	19
103	Extraction of rice bran oil by supercritical carbon dioxide and solubility consideration. Separation and Purification Technology, 2014, 125, 319-325.	3.9	73
104	Preparation of zinc oxide/silica nanocomposite particles via consecutive solâ€“gel and flame-assisted spray-drying methods. Chemical Engineering Journal, 2014, 254, 252-258.	6.6	38
105	Synthesis of ZrO2 nanoparticles by hydrothermal treatment. AIP Conference Proceedings, 2014, , .	0.3	16
106	Effect of Temperature on The Extraction of Bio-oil from Oil Palm Mesocarp Fiber using Supercritical CO2. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	4
107	Subcritical Water Extraction and Direct Formation of Microparticulate Polysaccharides Powders from Ganoderma Lucidum. International Journal of Technology, 2014, 5, 40.	0.4	16
108	Generation of PVP fibers by electrospinning in one-step process under high-pressure CO2. International Journal of Industrial Chemistry, 2013, 4, 1.	3.1	11

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109	Nanoparticle formation of lycopene/Î²-cyclodextrin inclusion complex using supercritical antisolvent precipitation. Journal of Supercritical Fluids, 2013, 83, 97-103.	1.6	84
110	Extraction and solubility evaluation of functional seed oil in supercritical carbon dioxide. Journal of Supercritical Fluids, 2013, 79, 109-113.	1.6	33
111	Palm oil transesterification in sub- and supercritical methanol with heterogeneous base catalyst. Chemical Engineering and Processing: Process Intensification, 2013, 72, 63-67.	1.8	48
112	Supercritical anti-solvent micronization of chromatography purified marigold lutein using hexane and ethyl acetate solvent mixture. Journal of Supercritical Fluids, 2013, 80, 15-22.	1.6	12
113	Supercritical anti-solvent micronization of marigold-derived lutein dissolved in dichloromethane and ethanol. Journal of Supercritical Fluids, 2013, 77, 103-109.	1.6	12
114	Methods for Extraction and Analysis of Carotenoids. , 2013, , 3367-3411.		11
115	Effect of the flame temperature on the characteristics of zirconium oxide fine particle synthesized by flame assisted spray pyrolysis. , 2013, , .		6
116	Removal of Water Pollutants by Pulsed Discharge Plasma and Observation of Its Optical Emission Intensity at Atmospheric Pressure. Japanese Journal of Applied Physics, 2013, 52, 11NE02.	0.8	10
117	Non Catalytic Transesterification of Vegetables Oil to Biodiesel in Sub-and Supercritical Methanol: A Kineticâ€™s Study. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 7, .	0.5	17
118	Fabrication of gold and silver nanoparticles with pulsed laser ablation under pressurized CO ₂. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 045011.	0.7	22
119	Pulsed Discharge Plasma over a Water Surface Induces Decoloration of Dyes. Journal of Physics: Conference Series, 2013, 441, 012008.	0.3	7
120	Oxidative Decoloration of Dyes by Pulsed Discharge Plasma over a Water Surface under Argon Atmospheric. Transactions of the Materials Research Society of Japan, 2013, 38, 61-67.	0.2	3
121	Utilization of Sub and Supercritical Water Reactions in Resource Recovery of Biomass Wastes. Engineering Journal, 2013, 17, 1-12.	0.5	41
122	A Dry Process for Polymer Nano-Microfibers Prepared by Electrospinning under Pressurized CO$_{2}$. Japanese Journal of Applied Physics, 2012, 51, 08HF07.	0.8	4
123	Pyrrole conversion induced pulse discharge plasma over a water surface under high-pressure argon. Chemical Engineering and Processing: Process Intensification, 2012, 61, 51-57.	1.8	17
124	Silver nanoparticles generated by pulsed laser ablation in supercritical CO₂medium. High Pressure Research, 2012, 32, 60-66.	0.4	19
125	Production of nanofibers by electrospinning under pressurized CO₂. High Pressure Research, 2012, 32, 54-59.	0.4	14
126	Antiradical Efficiency of Essential Oils from Plant Seeds Obtained by Supercritical CO₂, Soxhlet Extraction, and Hydrodistillation. Separation Science and Technology, 2012, 48, 328-337.	1.3	8

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127	TRANSESTERIFICATION OF VEGETABLES OIL USING SUBAND SUPERCRITICAL METHANOL. Reaktor, 2012, 14, 123.	0.2	1
128	Hydrothermal Extraction and Micronization of Polysaccharides from Ganoderma lucidum in a One-Step Process. BioResources, 2012, 8, .	0.5	2
129	Mathematical modeling for simultaneous extraction and fractionation process of coffee beans with supercritical CO2 and water. Journal of Supercritical Fluids, 2012, 66, 111-119.	1.6	29
130	Lycopene extraction from tomato peel by-product containing tomato seed using supercritical carbon dioxide. Journal of Food Engineering, 2012, 108, 290-296.	2.7	148
131	Selective Extraction of Lutein from Alcohol Treated Chlorella vulgaris by Supercritical CO₂. Chemical Engineering and Technology, 2012, 35, 255-260.	0.9	63
132	Preparation of Nano-Sized Materials with Pulsed Power Irradiation in Supercritical Fluids. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2012, 22, 97-103.	0.1	0
133	A Dry Process for Polymer Nano-Microfibers Prepared by Electrospinning under Pressurized CO₂. Japanese Journal of Applied Physics, 2012, 51, 08HF07.	0.8	0
134	Simultaneous Extraction and Separation Process for Coffee Beans with Supercritical CO₂ and Water. Industrial & Engineering Chemistry Research, 2011, 50, 2227-2235.	1.8	45
135	Nano-structured particles production using pulsed laser ablation of gold plate in supercritical CO2. Journal of Supercritical Fluids, 2011, 60, 63-68.	1.6	31
136	Degradation of glycerol using hydrothermal process. Bioresource Technology, 2011, 102, 9267-9271.	4.8	66
137	Gold nanoparticles fabricated by pulsed laser ablation in supercritical CO2. Research on Chemical Intermediates, 2011, 37, 515-522.	1.3	12
138	Pulsed laser ablation in pressurized CO<inf>2</inf> for nanoparticles fabrication. , 2011, , .		0
139	Nano-structured Material Fabrication using Pulsed Laser Ablation in Supercritical CO₂. Transactions of the Materials Research Society of Japan, 2011, 36, 465-468.	0.2	1
140	Composition of Senecio viscosus extract obtained by CO2 extraction. Chemistry of Natural Compounds, 2010, 46, 140-141.	0.2	0
141	Composition of the CO2 extract of Eryngium planum. Chemistry of Natural Compounds, 2010, 46, 826-827.	0.2	3
142	Cold-pressed yuzu oil fractionation using countercurrent supercritical CO2 extraction column. Separation and Purification Technology, 2010, 71, 107-113.	3.9	26
143	Supercritical CO₂ extraction of pigment components with pharmaceutical importance from Chlorella vulgaris. Journal of Chemical Technology and Biotechnology, 2009, 84, 657-661.	1.6	102
144	Extraction of pungent components from Japanese pepper (Xanthoxylum piperitum DC.) using supercritical CO2. Separation and Purification Technology, 2009, 68, 159-164.	3.9	13

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145	Antioxidant and Antibacterial Activity of Nutraceutical Compounds fromChlorella vulgarisExtracted in Hydrothermal Condition. Separation Science and Technology, 2009, 44, 1228-1239.	1.3	14
146	Supercritical CO2 extraction of biological active compounds from loquat seed. Separation and Purification Technology, 2008, 61, 130-135.	3.9	21
147	Supercritical Carbon Dioxide Extraction of Valuable Compounds from Citrus junos Seed. Food and Bioprocess Technology, 2008, 1, 357-363.	2.6	29
148	Pressure effect in supercritical CO2 extraction of plant seeds. Journal of Supercritical Fluids, 2008, 44, 301-307.	1.6	64
149	Process optimization and extraction rate analysis of carotenoids extraction from rosehip fruit using supercritical CO2. Journal of Supercritical Fluids, 2008, 44, 308-314.	1.6	57
150	Response surface methodology to supercritical carbon dioxide extraction of astaxanthin from Haematococcus pluvialis. Bioresource Technology, 2008, 99, 3110-3115.	4.8	139
151	Supercritical CO2 extraction of rosehip seed oil: Fatty acids composition and process optimization. Journal of Supercritical Fluids, 2007, 41, 421-428.	1.6	119
152	Extraction of Astaxanthin fromHaematococcuspluvialisUsing Supercritical CO2and Ethanol as Entrainer. Industrial & Engineering Chemistry Research, 2006, 45, 3652-3657.	1.8	176
153	Supercritical CO2 extraction of nutmeg oil: Experiments and modeling. Journal of Supercritical Fluids, 2006, 39, 30-39.	1.6	78
154	Extraction of essential oil from geranium (Pelargonium graveolens) with supercritical carbon dioxide. Journal of Chemical Technology and Biotechnology, 2006, 81, 167-172.	1.6	64
155	Extraction ofNigella sativa L.using Supercritical CO₂: A Study of Antioxidant Activity of the Extract. Separation Science and Technology, 2005, 40, 1267-1275.	1.3	34
156	Micronization of Hydrothermally Extracted Phytochemical Compounds from <i>Gracilaria</i> Sp Using Electrospraying. Key Engineering Materials, 0, 840, 173-179.	0.4	1
157	Correlation of Extract Composition on Antioxidant Activity of Electrospun PolyvinylPyrrolidone/<i>Bassela rubra linn</i> Leaf Extract Composite. Key Engineering Materials, 0, 851, 122-127.	0.4	1
158	Synthesis of ZnO/Ag/ SiO₂ Nanocomposite Using Flame Pyrolysis Method and its Photocatalytic Activity. Materials Science Forum, 0, 1057, 119-128.	0.3	2