

Siti Machmudah

List of Publications by Year in descending order

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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	Extraction of Astaxanthin from <i>Haematococcus pluvialis</i> Using Supercritical CO ₂ and Ethanol as Entrainer. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3652-3657.	1.8	176
2	Lycopene extraction from tomato peel by-product containing tomato seed using supercritical carbon dioxide. <i>Journal of Food Engineering</i> , 2012, 108, 290-296.	2.7	148
3	Response surface methodology to supercritical carbon dioxide extraction of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2008, 99, 3110-3115.	4.8	139
4	Extraction of carotenoids and lipids from algae by supercritical CO ₂ and subcritical dimethyl ether. <i>Journal of Supercritical Fluids</i> , 2015, 96, 245-251.	1.6	139
5	Supercritical CO ₂ extraction of rosehip seed oil: Fatty acids composition and process optimization. <i>Journal of Supercritical Fluids</i> , 2007, 41, 421-428.	1.6	119
6	Supercritical CO ₂ extraction of pigment components with pharmaceutical importance from <i>Chlorella vulgaris</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 657-661.	1.6	102
7	Nanoparticle formation of lycopene/ β -cyclodextrin inclusion complex using supercritical antisolvent precipitation. <i>Journal of Supercritical Fluids</i> , 2013, 83, 97-103.	1.6	84
8	Extraction of Fucoxanthin from Raw Macroalgae excluding Drying and Cell Wall Disruption by Liquefied Dimethyl Ether. <i>Marine Drugs</i> , 2014, 12, 2383-2396.	2.2	83
9	Supercritical CO ₂ extraction of nutmeg oil: Experiments and modeling. <i>Journal of Supercritical Fluids</i> , 2006, 39, 30-39.	1.6	78
10	Extraction of rice bran oil by supercritical carbon dioxide and solubility consideration. <i>Separation and Purification Technology</i> , 2014, 125, 319-325.	3.9	73
11	Degradation of glycerol using hydrothermal process. <i>Bioresource Technology</i> , 2011, 102, 9267-9271.	4.8	66
12	Extraction of essential oil from geranium (<i>Pelargonium graveolens</i>) with supercritical carbon dioxide. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 167-172.	1.6	64
13	Pressure effect in supercritical CO ₂ extraction of plant seeds. <i>Journal of Supercritical Fluids</i> , 2008, 44, 301-307.	1.6	64
14	Selective Extraction of Lutein from Alcohol Treated <i>Chlorella vulgaris</i> by Supercritical CO ₂ . <i>Chemical Engineering and Technology</i> , 2012, 35, 255-260.	0.9	63
15	Process optimization and extraction rate analysis of carotenoids extraction from rosehip fruit using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2008, 44, 308-314.	1.6	57
16	Subcritical water extraction enhancement by adding deep eutectic solvent for extracting xanthone from mangosteen pericarps. <i>Journal of Supercritical Fluids</i> , 2018, 133, 615-624.	1.6	52
17	Palm oil transesterification in sub- and supercritical methanol with heterogeneous base catalyst. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 72, 63-67.	1.8	48
18	Simultaneous Extraction and Separation Process for Coffee Beans with Supercritical CO ₂ and Water. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 2227-2235.	1.8	45

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19	Extraction of phytochemicals from saffron by supercritical carbon dioxide with water and methanol as entrainer. <i>Journal of Supercritical Fluids</i> , 2016, 107, 377-383.	1.6	42
20	Utilization of Sub and Supercritical Water Reactions in Resource Recovery of Biomass Wastes. <i>Engineering Journal</i> , 2013, 17, 1-12.	0.5	41
21	Preparation of zinc oxide/silica nanocomposite particles via consecutive sol-gel and flame-assisted spray-drying methods. <i>Chemical Engineering Journal</i> , 2014, 254, 252-258.	6.6	38
22	Extraction of <i>Nigella sativa L.</i> using Supercritical CO ₂ : A Study of Antioxidant Activity of the Extract. <i>Separation Science and Technology</i> , 2005, 40, 1267-1275.	1.3	34
23	Effect of particle size on yield extract and antioxidant activity of peanut skin using modified supercritical carbon dioxide and soxhlet extraction. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13689.	0.9	34
24	Extraction and solubility evaluation of functional seed oil in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2013, 79, 109-113.	1.6	33
25	Nano-structured particles production using pulsed laser ablation of gold plate in supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2011, 60, 63-68.	1.6	31
26	Supercritical Fluids Extraction of Valuable Compounds from Algae: Future Perspectives and Challenges. <i>Engineering Journal</i> , 2018, 22, 13-30.	0.5	31
27	Formation of PVP hollow fibers by electrospinning in one-step process at sub and supercritical CO ₂ . <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 77, 1-6.	1.8	30
28	Supercritical Carbon Dioxide Extraction of Valuable Compounds from Citrus junos Seed. <i>Food and Bioprocess Technology</i> , 2008, 1, 357-363.	2.6	29
29	Mathematical modeling for simultaneous extraction and fractionation process of coffee beans with supercritical CO ₂ and water. <i>Journal of Supercritical Fluids</i> , 2012, 66, 111-119.	1.6	29
30	Enhancing pressurized water extraction of Î ² -glucan from barley grain by adding CO ₂ under hydrothermal conditions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 97, 45-54.	1.8	29
31	Cold-pressed yuzu oil fractionation using countercurrent supercritical CO ₂ extraction column. <i>Separation and Purification Technology</i> , 2010, 71, 107-113.	3.9	26
32	Rapid and Selective Concentration of Lycopene &Z&-isomers from Tomato Pulp by Supercritical CO ₂ with Co-solvents. <i>Solvent Extraction Research and Development</i> , 2018, 25, 47-57.	0.5	23
33	Fabrication of gold and silver nanoparticles with pulsed laser ablation under pressurized CO ₂ . <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 045011.	0.7	22
34	Hydrolysis of Biopolymers in Near-Critical and Subcritical Water. , 2017, , 69-107.		22
35	Supercritical CO ₂ extraction of biological active compounds from loquat seed. <i>Separation and Purification Technology</i> , 2008, 61, 130-135.	3.9	21
36	Direct Extraction of Lutein from Wet Macroalgae by Liquefied Dimethyl Ether without Any Pretreatment. <i>ACS Omega</i> , 2020, 5, 24005-24010.	1.6	21

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37	Formation of Fine Particles from Curcumin/PVP by the Supercritical Antisolvent Process with a Coaxial Nozzle. <i>ACS Omega</i> , 2020, 5, 6705-6714.	1.6	21
38	Decomposition of methyl orange using pulsed discharge plasma at atmospheric pressure: Effect of different electrodes. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 010212.	0.8	20
39	Preparation of liposomes encapsulating β -carotene using supercritical carbon dioxide with ultrasonication. <i>Journal of Supercritical Fluids</i> , 2020, 161, 104848.	1.6	20
40	Silver nanoparticles generated by pulsed laser ablation in supercritical CO ₂ medium. <i>High Pressure Research</i> , 2012, 32, 60-66.	0.4	19
41	Hot compressed water extraction of polysaccharides from <i>Ganoderma lucidum</i> using a semibatch reactor. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014, 9, 125-133.	0.8	19
42	Particle micronization of Curcuma mangga rhizomes ethanolic extract/biopolymer PVP using supercritical antisolvent process. <i>Journal of Supercritical Fluids</i> , 2019, 146, 226-239.	1.6	19
43	Hot Compressed Water Extraction of Lignin by Using a Flow-Through Reactor. <i>Engineering Journal</i> , 2015, 19, 25-44.	0.5	19
44	Pyrrrole conversion induced pulse discharge plasma over a water surface under high-pressure argon. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 61, 51-57.	1.8	17
45	Non Catalytic Transesterification of Vegetables Oil to Biodiesel in Sub-and Supercritical Methanol: A Kinetic Study. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2013, 7, .	0.5	17
46	Synthesis of ZrO ₂ nanoparticles by hydrothermal treatment. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	16
47	Extraction of β -glucan by hydrothermal liquidization of barley grain in a semi-batch reactor. <i>Separation Science and Technology</i> , 2016, 51, 278-289.	1.3	16
48	Solubility model of arachis hypogea skin oil by modified supercritical carbon dioxide. <i>Separation Science and Technology</i> , 2019, 54, 731-740.	1.3	16
49	Subcritical Water Extraction and Direct Formation of Microparticulate Polysaccharides Powders from <i>Ganoderma Lucidum</i> . <i>International Journal of Technology</i> , 2014, 5, 40.	0.4	16
50	Magnetite thin film on mild steel formed by hydrothermal electrolysis for corrosion prevention. <i>Chemical Engineering Journal</i> , 2015, 268, 76-85.	6.6	15
51	Extraction of peanut skin oil by modified supercritical carbon dioxide: Empirical modelling and optimization. <i>Separation Science and Technology</i> , 2018, 53, 2695-2703.	1.3	15
52	Recovery and solubility of flavonoid and phenolic contents from <i>Arachis Hypogea</i> in supercritical carbon dioxide assisted by ethanol as cosolvent. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14768.	0.9	15
53	Antioxidant and Antibacterial Activity of Nutraceutical Compounds from <i>Chlorella vulgaris</i> Extracted in Hydrothermal Condition. <i>Separation Science and Technology</i> , 2009, 44, 1228-1239.	1.3	14
54	Production of nanofibers by electrospinning under pressurized CO ₂ . <i>High Pressure Research</i> , 2012, 32, 54-59.	0.4	14

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55	Integrated Process for Î ² -glucan Concentrate from Ganoderma lucidum by Extraction and Micronization. American Chemical Science Journal, 2016, 11, 1-8.	0.2	14
56	Extraction of pungent components from Japanese pepper (Xanthoxylum piperitum DC.) using supercritical CO ₂ . Separation and Purification Technology, 2009, 68, 159-164.	3.9	13
57	DC-Plasma over Aqueous Solution for the Synthesis of Titanium Dioxide Nanoparticles under Pressurized Argon. ACS Omega, 2020, 5, 5443-5451.	1.6	13
58	Ultrasonic-Enhanced Fabrication of Metal Nanoparticles by Laser Ablation in Liquid. Industrial & Engineering Chemistry Research, 2020, 59, 7512-7519.	1.8	13
59	Ethanol-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
60	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
61	Economical Wet Extraction of Lipid from labyrinthula Aurantiochytrium limacinum by Using Liquefied Dimethyl Ether. Engineering Journal, 2016, 20, 145-153.	0.5	13
62	Gold nanoparticles fabricated by pulsed laser ablation in supercritical CO ₂ . Research on Chemical Intermediates, 2011, 37, 515-522.	1.3	12
63	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
64	Supercritical anti-solvent micronization of marigold-derived lutein dissolved in dichloromethane and ethanol. Journal of Supercritical Fluids, 2013, 77, 103-109.	1.6	12
65	Generation of PVP fibers by electrospinning in one-step process under high-pressure CO ₂ . International Journal of Industrial Chemistry, 2013, 4, 1.	3.1	11
66	Methods for Extraction and Analysis of Carotenoids. , 2013, , 3367-3411.		11
67	Subcritical Water Extraction of Xanthone from Mangosteen (Garcinia Mangostana Linn) Pericarp. Journal of Advanced Chemical Engineering, 2015, 05, .	0.1	11
68	Effect of Solvent on Nanoparticle Production of Î ² -Carotene by a Supercritical Antisolvent Process. Chemical Engineering and Technology, 2016, 39, 1771-1777.	0.9	11
69	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
70	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
71	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
72	Generation of multihollow structured poly(methyl methacrylate) fibers by electrospinning under pressurized CO ₂ . Polymer Engineering and Science, 2016, 56, 752-759.	1.5	10

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73	Solubility correlation of gall (<i>Quercus infectoria</i>) extract in supercritical CO ₂ using semi-empirical equations. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 790-797.	0.8	10
74	Formulation and evaluation of a new semi-empirical model for solubility of plant extracts in supercritical carbon dioxide assisted by ethanol as co-solvent. <i>Chemical Engineering Communications</i> , 2021, 208, 1326-1334.	1.5	10
75	Procyanidin and proanthocyanidin extraction from <i>Arachis hypogaea</i> skins by using supercritical carbon dioxide: Optimization and modeling. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15689.	0.9	10
76	Carbonization of Lignin Extracted from Liquid Waste of Coconut Coir Delignification. <i>Indonesian Journal of Chemistry</i> , 2020, 20, 842.	0.3	10
77	Preparation of Ceria-Zirconia Mixed Oxide by Hydrothermal Synthesis. <i>Modern Applied Science</i> , 2015, 9, 134.	0.4	9
78	Subcritical Water Extraction of Polysaccharides Using a Semi-Batch Extractor. <i>Modern Applied Science</i> , 2015, 9, 220.	0.4	9
79	Phytochemical compounds extraction from medicinal plants by subcritical water and its encapsulation via electrospraying. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 2116-2128.	3.4	9
80	Crystallization of All Trans- β -carotene by Supercritical Carbon Dioxide Antisolvent via Coaxial Nozzle. <i>Engineering Journal</i> , 2018, 22, 25-38.	0.5	9
81	Synthesis of Hollow PVP/Ag Nanoparticle Composite Fibers via Electrospinning under a Dense CO ₂ Environment. <i>Polymers</i> , 2022, 14, 89.	2.0	9
82	Antiradical Efficiency of Essential Oils from Plant Seeds Obtained by Supercritical CO ₂ , Soxhlet Extraction, and Hydrodistillation. <i>Separation Science and Technology</i> , 2012, 48, 328-337.	1.3	8
83	Water removal from wood biomass by liquefied dimethyl ether for enhancing heating value. <i>Energy Reports</i> , 2020, 6, 824-831.	2.5	8
84	PVP/Highly Dispersed AgNPs Nanofibers Using Ultrasonic-Assisted Electrospinning. <i>Polymers</i> , 2022, 14, 599.	2.0	8
85	Curcumin-Loaded Liposome Preparation in Ultrasound Environment under Pressurized Carbon Dioxide. <i>Foods</i> , 2022, 11, 1469.	1.9	8
86	Pulsed Discharge Plasma over a Water Surface Induces Decoloration of Dyes. <i>Journal of Physics: Conference Series</i> , 2013, 441, 012008.	0.3	7
87	Characteristics of optical emission intensities and bubblelike phenomena induced by laser ablation in supercritical fluids. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 010213.	0.8	7
88	Nonthermal Atmospheric Pressure Plasma for Methylene Blue Dye Decolorization by Using Slug Flow Reactor System. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 985-1000.	1.1	7
89	Bimetallic nanoparticle generation from Au-TiO ₂ film by pulsed laser ablation in an aqueous medium. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2225-2234.	3.4	7
90	Effect of the flame temperature on the characteristics of zirconium oxide fine particle synthesized by flame assisted spray pyrolysis. , 2013, , .		6

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91	Nickel nanoparticles generated by pulsed laser ablation in liquid CO ₂ . Research on Chemical Intermediates, 2016, 42, 4581-4590.	1.3	6
92	Extraction of Phytochemical Compounds from <i>Eucheuma cottonii</i> and <i>Gracilaria sp</i> using Supercritical CO ₂ Followed by Subcritical Water. MATEC Web of Conferences, 2018, 156, 03051.	0.1	6
93	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
94	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
95	Photocatalytic Activity Inhibition by ZnO-SiO ₂ Nanocomposites Synthesized by Sonochemical Method. Advanced Materials Research, 2015, 1112, 209-212.	0.3	5
96	Electrospinning of poly(vinyl pyrrolidone) fibers containing metal oxide nanoparticles under dense CO ₂ . Research on Chemical Intermediates, 2018, 44, 2215-2230.	1.3	5
97	Extraction of Functional Components from Freeze-Dried <i>Angelica furcijuga</i> Leaves Using Supercritical Carbon Dioxide. ACS Omega, 2022, 7, 5104-5111.	1.6	5
98	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
99	Macroporous zirconia particles prepared by subcritical water in batch and flow processes. Research on Chemical Intermediates, 2016, 42, 5367-5385.	1.3	4
100	Synthesis of Ceria Zirconia Oxides using Solvothermal Treatment. MATEC Web of Conferences, 2018, 156, 05014.	0.1	4
101	Electrospraying technique under pressurized carbon dioxide for hollow particle production. Reactive and Functional Polymers, 2019, 142, 44-52.	2.0	4
102	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
103	Photocatalytic degradation of organic waste derived from textile dye by ZnO-Ag nanocomposite synthesized by spray pyrolysis. AIP Conference Proceedings, 2020, , .	0.3	4
104	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
105	Effect of Temperature on The Extraction of Bio-oil from Oil Palm Mesocarp Fiber using Supercritical CO ₂ . Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	4
106	Composition of the CO ₂ extract of <i>Eryngium planum</i> . Chemistry of Natural Compounds, 2010, 46, 826-827.	0.2	3
107	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
108	Effect of fuel rate and annealing process of LiFePO ₄ cathode material for Li-ion batteries synthesized by flame spray pyrolysis method. , 2014, , .		3

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109	Characteristics of ZnO nanostructures synthesized by sonochemical reaction: Effects of continuous and pulse waves. AIP Conference Proceedings, 2015, , .	0.3	3
110	Emerging seaweed extraction techniques: Supercritical fluid extraction. , 2020, , 257-286.		3
111	Pulsed Discharge Plasma in High-Pressure Environment for Water Pollutant Degradation and Nanoparticle Synthesis. Plasma, 2021, 4, 309-331.	0.7	3
112	Hydrothermal Extraction and Micronization of Polysaccharides from Ganoderma lucidum in a One-Step Process. BioResources, 2012, 8, .	0.5	2
113	Supercritical Fluid Extraction of Carotenoids. Food Engineering Series, 2015, , 397-426.	0.3	2
114	Synthesis of ZnO-SiO ₂ nanocomposite particles and their characterization by sonochemical method. AIP Conference Proceedings, 2017, , .	0.3	2
115	Supercritical Fluid Extraction and Fractionation. , 2019, , 133-171.		2
116	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
117	Hydrothermal extraction of antioxidant compounds from mangosteen pericarp with low-transition-temperature mixture and sonication pretreatment. AIP Conference Proceedings, 2017, , .	0.3	2
118	Extraction of Î²-sitosterol from Swietenia mahagoni seeds by using supercritical carbon dioxide (SC-CO ₂) extraction. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 411-417.	0.4	2
119	Reduced-Pressure Process for Fabricating Tea Tree Oilâ€™Polyvinylpyrrolidone Electrospun Fibers. Polymers, 2022, 14, 743.	2.0	2
120	Synthesis of ZnO/Ag/ SiO ₂ Nanocomposite Using Flame Pyrolysis Method and its Photocatalytic Activity. Materials Science Forum, 0, 1057, 119-128.	0.3	2
121	TRANSESTERIFICATION OF VEGETABLES OIL USING SUBAND SUPERCRITICAL METHANOL. Reaktor, 2012, 14, 123.	0.2	1
122	Fabrication of micro-hollow fiber by electrospinning process in near-critical carbon dioxide. , 2014, , .		1
123	Hydrophilic polymer composites synthesized by electrospinning under dense carbon dioxide. AIP Conference Proceedings, 2015, , .	0.3	1
124	Mechanism of Macroporous Zirconia Particles Formation Prepared by Hydrothermal Synthesis. Advanced Materials Research, 2015, 1112, 538-541.	0.3	1
125	CFD simulation of pulse combustionâ€™s performance. AIP Conference Proceedings, 2016, , .	0.3	1
126	Mathematical modeling of supercritical CO ₂ extraction of valuable compounds from Eucheuma Cottonii and Gracilaria Sp. MATEC Web of Conferences, 2018, 156, 02013.	0.1	1

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127	5. Supercritical fluid-assisted electrospinning. , 2019, , 99-128.		1
128	Micronization of Hydrothermally Extracted Phytochemical Compounds from <i>Gracilaria</i> Sp Using Electrospaying. Key Engineering Materials, 0, 840, 173-179.	0.4	1
129	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
130	Correlation of Extract Composition on Antioxidant Activity of Electrospun PolyvinylPyrrolidone/ <i>Bassela rubra</i> linn Leaf Extract Composite. Key Engineering Materials, 0, 851, 122-127.	0.4	1
131	Biogas quality upgrading by carbon mineralization with calcium hydroxide solution in continuous bubble column reactor. AIP Conference Proceedings, 2020, , .	0.3	1
132	Hydrothermal Synthesis: Low~Temperature Subcritical Water for Ceria~Zirconia Mixed Oxides Preparation. Indonesian Journal of Chemistry, 2020, 21, 1.	0.3	1
133	Phenolic Compound, Antioxidant and Antibacterial properties of Electrospun PVP Nanofiber loaded with <i>Bassela rubra</i> linn extract and Alginate from <i>Sargassum</i> sp.. IOP Conference Series: Materials Science and Engineering, 2021, 1143, 012015.	0.3	1
134	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
135	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
136	Nano-structured Material Fabrication using Pulsed Laser Ablation in Supercritical CO ₂ . Transactions of the Materials Research Society of Japan, 2011, 36, 465-468.	0.2	1
137	Hydrothermal and Solvothermal Synthesis of Cerium-Zirconium Oxides for Catalyst Applications. International Journal of Technology, 2019, 10, 582.	0.4	1
138	Composition of <i>Senecio viscosus</i> extract obtained by CO ₂ extraction. Chemistry of Natural Compounds, 2010, 46, 140-141.	0.2	0
139	Pulsed laser ablation in pressurized CO ₂ for nanoparticles fabrication. , 2011, , .		0
140	Preface: 5th Nanoscience and Nanotechnology Symposium. , 2014, , .		0
141	Extraction of valuable compounds from mangosteen pericarps by hydrothermal assisted sonication. AIP Conference Proceedings, 2015, , .	0.3	0
142	The effect of impeller type on silica sol formation in laboratory scale agitated tank. AIP Conference Proceedings, 2016, , .	0.3	0
143	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
144	Computational fluid dynamic in combustion process using pulse combustor. AIP Conference Proceedings, 2017, , .	0.3	0

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145	Modeling turbulent flow in a cylindrical tank agitated by side entering 45° inclined blade turbine using computational fluid dynamics (CFD). AIP Conference Proceedings, 2017, , .	0.3	0
146	The influence of fuel type to combustion characteristic in diffusion flame drying by computational fluid dynamics simulation. AIP Conference Proceedings, 2017, , .	0.3	0
147	The route of liquid precursor to ZnO nanoparticles in premixed combustion spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.3	0
148	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
149	Fabrication of chitosan particles through a coaxial nozzle under pressurized carbon dioxide. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2466.	0.8	0
150	Micronization of Curcuma xanthorrhiza Extract with Addition of PVP Using Supercritical CO ₂ as Anti-solvent. MATEC Web of Conferences, 2021, 333, 08002.	0.1	0
151	Preparation of Nano-Sized Materials with Pulsed Power Irradiation in Supercritical Fluids. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Cijutsu, 2012, 22, 97-103.	0.1	0
152	A Dry Process for Polymer Nano-Microfibers Prepared by Electrospinning under Pressurized CO ₂ . Japanese Journal of Applied Physics, 2012, 51, 08HF07.	0.8	0
153	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
154	Supercritical Fluid Extraction and Fractionation. , 2018, , 1-40.		0
155	Microparticles Formation of Ganoderma lucidum Extract by Electro spraying Method. ASEAN Journal of Chemical Engineering, 2020, 19, 74.	0.5	0
156	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
157	Pulsed Discharge Plasma in Slug-flow Reactor System for Water Pollutant Removal and Nanoparticle Synthesis. Engineering Journal, 2021, 25, 1-17.	0.5	0
158	Enhancement of Curcuma xanthorrhiza Roxb Phytochemical Dissolution via Micronization Using a Supercritical Antisolvent Technique. ACS Omega, 2022, 7, 6345-6353.	1.6	0