

# Wahyu Diono

## List of Publications by Year in descending order

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134  
papers

3,002  
citations

185998

28  
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205818

48  
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135  
all docs

135  
docs citations

135  
times ranked

2873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of phenolic compounds through the decomposition of lignin in near and supercritical water. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1609-1619.	1.8	273
2	Decomposition of a Lignin Model Compound under Hydrothermal Conditions. <i>Chemical Engineering and Technology</i> , 2007, 30, 1113-1122.	0.9	152
3	Extraction of carotenoids and lipids from algae by supercritical CO <sub>2</sub> and subcritical dimethyl ether. <i>Journal of Supercritical Fluids</i> , 2015, 96, 245-251.	1.6	139
4	Conversion of biomass model compound under hydrothermal conditions using batch reactor. <i>Fuel</i> , 2009, 88, 1656-1664.	3.4	89
5	Nanoparticle formation of lycopene/ $\beta$ -cyclodextrin inclusion complex using supercritical antisolvent precipitation. <i>Journal of Supercritical Fluids</i> , 2013, 83, 97-103.	1.6	84
6	Thermal decomposition of guaiacol in sub- and supercritical water and its kinetic analysis. <i>Journal of Material Cycles and Waste Management</i> , 2011, 13, 68-79.	1.6	83
7	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
8	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
9	Degradation of glycerol using hydrothermal process. <i>Bioresource Technology</i> , 2011, 102, 9267-9271.	4.8	66
10	Improved Carotenoid Processing with Sustainable Solvents Utilizing Z-Isomerization-Induced Alteration in Physicochemical Properties: A Review and Future Directions. <i>Molecules</i> , 2019, 24, 2149.	1.7	64
11	Selective conversion of glucose into lactic acid and acetic acid with copper oxide under hydrothermal conditions. <i>AIChE Journal</i> , 2013, 59, 2096-2104.	1.8	61
12	Nanoparticle formation of PVP/astaxanthin inclusion complex by solution-enhanced dispersion by supercritical fluids (SEDS): Effect of PVP and astaxanthin Z-isomer content. <i>Journal of Supercritical Fluids</i> , 2018, 136, 44-51.	1.6	60
13	The <i>E</i> / <i>Z</i> isomer ratio of lycopene in foods and effect of heating with edible oils and fats on isomerization of (all- <i>E</i> )-lycopene. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600389.	1.0	53
14	Effect of thermal treatment and light irradiation on the stability of lycopene with high Z-isomers content. <i>Food Chemistry</i> , 2018, 250, 253-258.	4.2	53
15	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
16	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
17	The thermal Z-isomerization-induced change in solubility and physical properties of (all- <i>E</i> )-lycopene. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 317-322.	1.0	48
18	Lipid extraction from microalgae covered with biomineralized cell walls using liquefied dimethyl ether. <i>Fuel</i> , 2020, 262, 116590.	3.4	45

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19	Extraction of phenolic compounds and antioxidant activity from garlic husk using carbon dioxide expanded ethanol. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 117, 113-119.	1.8	44
20	Enhanced solubility and reduced crystallinity of carotenoids, $\beta$ -carotene and astaxanthin, by Z-isomerization. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1800191.	1.0	43
21	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
22	Micronization of curcumin with biodegradable polymer by supercritical anti-solvent using micro swirl mixer. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 184-193.	2.3	38
23	Thermal isomerization pre-treatment to improve lycopene extraction from tomato pulp. <i>LWT - Food Science and Technology</i> , 2017, 86, 69-75.	2.5	36
24	Nano-structured particles production using pulsed laser ablation of gold plate in supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2011, 60, 63-68.	1.6	31
25	Supercritical Fluids Extraction of Valuable Compounds from Algae: Future Perspectives and Challenges. <i>Engineering Journal</i> , 2018, 22, 13-30.	0.5	31
26	Non-catalytic reduction of total acid number (TAN) of naphthenic acids (NAs) using supercritical methanol. <i>Fuel Processing Technology</i> , 2013, 106, 641-644.	3.7	30
27	Formation of PVP hollow fibers by electrospinning in one-step process at sub and supercritical CO <sub>2</sub> . <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 77, 1-6.	1.8	30
28	Enhancing pressurized water extraction of $\beta$ -glucan from barley grain by adding CO <sub>2</sub> under hydrothermal conditions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 97, 45-54.	1.8	29
29	Esterification of high free fatty acids in supercritical methanol using sulfated angel wing shells as catalyst. <i>Journal of Supercritical Fluids</i> , 2017, 124, 1-9.	1.6	28
30	Non-catalytic vanadium removal from vanadyl etioporphyrin (VO-EP) using a mixed solvent of supercritical water and toluene: A kinetic study. <i>Fuel</i> , 2012, 92, 288-294.	3.4	27
31	Microwave Accelerated Z-isomerization of (all-E) Lycopene in Tomato Oleoresin and Enhancement of the Conversion by Vegetable Oils Containing Disulfide Compounds. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1800060.	1.0	27
32	Production of $\beta$ -carotene nanosuspensions using supercritical CO <sub>2</sub> and improvement of its efficiency by Z-isomerization pre-treatment. <i>Journal of Supercritical Fluids</i> , 2018, 138, 124-131.	1.6	26
33	Enhanced Lycopene Extraction from Gac ( <i>Momordica cochinchinensis</i> Spreng.) by the Z-isomerization Induced with Microwave Irradiation Pre-treatment. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700293.	1.0	26
34	Effect of the Z-isomer content on nanoparticle production of lycopene using solution-enhanced dispersion by supercritical fluids (SEDS). <i>Journal of Supercritical Fluids</i> , 2018, 133, 291-296.	1.6	26
35	Non-catalytic liquefaction of bitumen with hydrothermal/solvothermal process. <i>Journal of Supercritical Fluids</i> , 2011, 60, 127-136.	1.6	24
36	Nickel removal from nickel etioporphyrin (Ni-EP) using supercritical water in the absence of catalyst. <i>Fuel Processing Technology</i> , 2012, 104, 67-72.	3.7	24

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37	Reduction of total acid number (TAN) of naphthenic acid (NA) using supercritical water for reducing corrosion problems of oil refineries. <i>Fuel</i> , 2012, 94, 620-623.	3.4	24
38	Rapid and Selective Concentration of Lycopene & Z-isomers from Tomato Pulp by Supercritical CO <sub>2</sub> with Co-solvents. <i>Solvent Extraction Research and Development</i> , 2018, 25, 47-57.	0.5	23
39	Fabrication of gold and silver nanoparticles with pulsed laser ablation under pressurized CO <sub>2</sub> . <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 045011.	0.7	22
40	Hydrolysis of Biopolymers in Near-Critical and Subcritical Water. , 2017, , 69-107.		22
41	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
42	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
43	Kinetic study for liquefaction of tar in sub- and supercritical water. <i>Polymer Degradation and Stability</i> , 2008, 93, 1194-1204.	2.7	20
44	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
45	Micronization for Enhancement of Curcumin Dissolution via Electro spraying Technique. <i>ChemEngineering</i> , 2018, 2, 60.	1.0	20
46	Preparation of liposomes encapsulating $\beta$ -carotene using supercritical carbon dioxide with ultrasonication. <i>Journal of Supercritical Fluids</i> , 2020, 161, 104848.	1.6	20
47	Silver nanoparticles generated by pulsed laser ablation in supercritical CO <sub>2</sub> medium. <i>High Pressure Research</i> , 2012, 32, 60-66.	0.4	19
48	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
49	Extraction of Lipids from Wet <i>Arthrospira platensis</i> by Liquefied Dimethyl Ether. <i>Solvent Extraction Research and Development</i> , 2017, 24, 47-60.	0.5	19
50	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
51	Nickel removal from nickel-5,10,15,20-tetraphenylporphine using supercritical water in absence of catalyst: A basic study. <i>Journal of Hazardous Materials</i> , 2011, 187, 600-603.	6.5	18
52	Atmospheric-pressure pulsed discharge plasma in capillary slug flow system for dye decomposition. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 135, 133-140.	1.8	18
53	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
54	Synthesis of silver nanoparticles by atmospheric-pressure pulsed discharge plasma in a slug flow system. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 016001.	0.8	17

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55	Recovery of Phenol through the Decomposition of Tar under Hydrothermal Alkaline Conditions. <i>Chemical Engineering and Technology</i> , 2006, 29, 882-889.	0.9	16
56	Synthesis of ZrO <sub>2</sub> nanoparticles by hydrothermal treatment. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	16
57	Extraction of $\beta$ -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
58	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
59	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
60	Room-temperature extraction of direct coal liquefaction residue by liquefied dimethyl ether. <i>Fuel</i> , 2020, 262, 116528.	3.4	15
61	Surfactant-Free Decellularization of Porcine Aortic Tissue by Subcritical Dimethyl Ether. <i>ACS Omega</i> , 2021, 6, 13417-13425.	1.6	15
62	Production of nanofibers by electrospinning under pressurized CO <sub>2</sub> . <i>High Pressure Research</i> , 2012, 32, 54-59.	0.4	14
63	Hydrogen Peroxide Formation by Electric Discharge with Fine Bubbles. <i>Plasma Chemistry and Plasma Processing</i> , 2017, 37, 125-135.	1.1	14
64	DC-Plasma over Aqueous Solution for the Synthesis of Titanium Dioxide Nanoparticles under Pressurized Argon. <i>ACS Omega</i> , 2020, 5, 5443-5451.	1.6	13
65	Ultrasonic-Enhanced Fabrication of Metal Nanoparticles by Laser Ablation in Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7512-7519.	1.8	13
66	Ethanol-free extraction of resveratrol and its glycoside from Japanese knotweed rhizome by liquefied dimethyl ether without pretreatments. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2600.	0.8	13
67	Supercritical Methanol Process of Modifying Oil Byproduct for Concentrating Natural Tocopherols. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 5325-5332.	1.8	12
68	Noncatalytic liquefaction of tar with low-temperature hydrothermal treatment. <i>Journal of Material Cycles and Waste Management</i> , 2007, 9, 173-181.	1.6	12
69	Gold nanoparticles fabricated by pulsed laser ablation in supercritical CO <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2011, 37, 515-522.	1.3	12
70	Reaction kinetics and mechanism for hydrothermal degradation and electrolysis of glucose for producing carboxylic acids. <i>Research on Chemical Intermediates</i> , 2011, 37, 457-466.	1.3	11
71	Generation of PVP fibers by electrospinning in one-step process under high-pressure CO <sub>2</sub> . <i>International Journal of Industrial Chemistry</i> , 2013, 4, 1.	3.1	11
72	Effect of Solvent on Nanoparticle Production of $\beta$ -Carotene by a Supercritical Antisolvent Process. <i>Chemical Engineering and Technology</i> , 2016, 39, 1771-1777.	0.9	11

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73	Extraction of curcumin from <i>Curcuma longa</i> L. using ultrasound assisted supercritical carbon dioxide. AIP Conference Proceedings, 2017, , .	0.3	11
74	Thermal isomerization of (all- <i>E</i> )-lycopene and separation of the <i>Z</i> -isomers by using a low boiling solvent: Dimethyl ether. Separation Science and Technology, 2017, 52, 2573-2582.	1.3	11
75	Synthesis of hydrophilic carbon nanoparticles from amino acids by pulsed arc discharge over aqueous solution in argon under near-critical pressure. Journal of Supercritical Fluids, 2017, 120, 403-407.	1.6	11
76	Ethanol-free antisolvent crystallization of glycine by liquefied dimethyl ether. Heliyon, 2020, 6, e05258.	1.4	11
77	Applications of hydrothermal electrolysis for conversion of 1-butanol in wastewater treatment. Fuel Processing Technology, 2010, 91, 1125-1132.	3.7	10
78	Generation of multihollow structured poly(methyl methacrylate) fibers by electrospinning under pressurized $\text{CO}_2$ . Polymer Engineering and Science, 2016, 56, 752-759.	1.5	10
79	Fluorine-doped tin oxide catalyst for glycerol conversion to methanol in sub-critical water. Journal of Supercritical Fluids, 2017, 120, 366-378.	1.6	10
80	Efficacy of supercritical carbon dioxide integrated hydrothermal extraction of Khmer medicinal plants with potential pharmaceutical activity. Journal of Environmental Chemical Engineering, 2018, 6, 2944-2956.	3.3	10
81	Kinetics and Reaction Pathways for Heptylbenzene Decomposition in Supercritical Water. Journal of Chemical Engineering of Japan, 2011, 44, 486-493.	0.3	10
82	Preparation of Liposomes from Soy Lecithin Using Liquefied Dimethyl Ether. Foods, 2021, 10, 1789.	1.9	9
83	Phytochemical compounds extraction from medicinal plants by subcritical water and its encapsulation via electro spraying. AEJ - Alexandria Engineering Journal, 2022, 61, 2116-2128.	3.4	9
84	Crystallization of All Trans- $\beta$ -carotene by Supercritical Carbon Dioxide Antisolvent via Coaxial Nozzle. Engineering Journal, 2018, 22, 25-38.	0.5	9
85	Synthesis of Hollow PVP/Ag Nanoparticle Composite Fibers via Electrospinning under a Dense $\text{CO}_2$ Environment. Polymers, 2022, 14, 89.	2.0	9
86	One-step synthesis of water-dispersible carbon nanocapsules by pulsed arc discharge over aqueous solution under pressurized argon. Research on Chemical Intermediates, 2017, 43, 4201-4211.	1.3	8
87	One-Step Preparation of Z-Isomer-Rich $\beta$ -Carotene Nanosuspensions Utilizing a Natural Catalyst, Allyl Isothiocyanate, via Supercritical $\text{CO}_2$ . Symmetry, 2020, 12, 777.	1.1	8
88	Water removal from wood biomass by liquefied dimethyl ether for enhancing heating value. Energy Reports, 2020, 6, 824-831.	2.5	8
89	Direct current gas-liquid phase pulsed plasma polymerization of polypyrrole under atmospheric pressure. Plasma Processes and Polymers, 2021, 18, 2000186.	1.6	8
90	PVP/Highly Dispersed AgNPs Nanofibers Using Ultrasonic-Assisted Electrospinning. Polymers, 2022, 14, 599.	2.0	8

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91	Curcumin-Loaded Liposome Preparation in Ultrasound Environment under Pressurized Carbon Dioxide. <i>Foods</i> , 2022, 11, 1469.	1.9	8
92	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
93	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
94	Bimetallic nanoparticle generation from Au-TiO <sub>2</sub> film by pulsed laser ablation in an aqueous medium. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2225-2234.	3.4	7
95	Nickel nanoparticles generated by pulsed laser ablation in liquid CO <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2016, 42, 4581-4590.	1.3	6
96	Extraction of Phytochemical Compounds from <i>Eucheuma cottonii</i> and <i>Gracilaria sp</i> using Supercritical CO <sub>2</sub> Followed by Subcritical Water. <i>MATEC Web of Conferences</i> , 2018, 156, 03051.	0.1	6
97	Atmospheric-Pressure Pulsed Discharge Plasma in a Slug Flow Reactor System for the Synthesis of Gold Nanoparticles. <i>ACS Omega</i> , 2020, 5, 17679-17685.	1.6	6
98	Enhancement of Lipid Extraction from Soya Bean by Addition of Dimethyl Ether as Entrainer into Supercritical Carbon Dioxide. <i>Foods</i> , 2021, 10, 1223.	1.9	6
99	Synthesis of Cerium Dioxide Nanoparticles by Gas/Liquid Pulsed Discharge Plasma in a Slug Flow Reactor. <i>ACS Omega</i> , 2021, 6, 20966-20974.	1.6	6
100	Synthesis of titanium dioxide nanoparticle by means of discharge plasma over an aqueous solution under high-pressure gas environment. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3805-3820.	3.4	6
101	Formation of Au-carbon nanoparticles by laser ablation under pressurized CO <sub>2</sub> . <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2176.	0.8	5
102	Electrospinning of poly(vinyl pyrrolidone) fibers containing metal oxide nanoparticles under dense CO <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2018, 44, 2215-2230.	1.3	5
103	Surfactant-free preparation of an ostrich carotid artery scaffold using liquefied dimethyl ether and DNase. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103280.	2.3	5
104	Improved Storage Stability of Lycopene Z-Isomers Utilizing Edible Media and Antioxidants to Promote Practical Applications. <i>ACS Food Science &amp; Technology</i> , 2021, 1, 1677-1686.	1.3	5
105	Extraction of Functional Components from Freeze-Dried <i>Angelica furcijuga</i> Leaves Using Supercritical Carbon Dioxide. <i>ACS Omega</i> , 2022, 7, 5104-5111.	1.6	5
106	Bitumen upgrading under solvothermal/hydrothermal conditions. <i>Research on Chemical Intermediates</i> , 2011, 37, 375-381.	1.3	4
107	Macroporous zirconia particles prepared by subcritical water in batch and flow processes. <i>Research on Chemical Intermediates</i> , 2016, 42, 5367-5385.	1.3	4
108	Synthesis of Ceria Zirconia Oxides using Solvothermal Treatment. <i>MATEC Web of Conferences</i> , 2018, 156, 05014.	0.1	4

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109	Glycine Oligomerization by Pulsed Discharge Plasma over Aqueous Solution under Atmospheric Pressure. <i>ChemEngineering</i> , 2018, 2, 17.	1.0	4
110	Electrospraying technique under pressurized carbon dioxide for hollow particle production. <i>Reactive and Functional Polymers</i> , 2019, 142, 44-52.	2.0	4
111	Improvement in the Filtration Performance of an Ultraporous Nanofiber Membrane by Atmospheric Pressure Plasma-Induced Surface Modification. <i>ACS Omega</i> , 2021, 6, 28038-28048.	1.6	4
112	Oxidative Decoloration of Dyes by Pulsed Discharge Plasma over a Water Surface under Argon Atmospheric. <i>Transactions of the Materials Research Society of Japan</i> , 2013, 38, 61-67.	0.2	3
113	Pulsed Discharge Plasma in High-Pressure Environment for Water Pollutant Degradation and Nanoparticle Synthesis. <i>Plasma</i> , 2021, 4, 309-331.	0.7	3
114	Extraction of Phytochemicals from Grains of Paradise Using Supercritical Carbon Dioxide. <i>Engineering Journal</i> , 2017, 21, 53-64.	0.5	3
115	Supercritical Fluid Extraction of Carotenoids. <i>Food Engineering Series</i> , 2015, , 397-426.	0.3	2
116	Sorption Efficiency in Dye Removal and Thermal Stability of Sorghum Stem Aerogel. <i>Materials Science Forum</i> , 0, 966, 175-180.	0.3	2
117	Extraction of diterpenes from spent coffee grounds and encapsulation into polyvinylpyrrolidone particles using supercritical carbon dioxide. <i>Separation Science and Technology</i> , 0, , 1-16.	1.3	2
118	Hydrothermal extraction of antioxidant compounds from mangosteen pericarp with low-transition-temperature mixture and sonication pretreatment. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
119	Reduced-Pressure Process for Fabricating Tea Tree Oilâ€™Polyvinylpyrrolidone Electrospun Fibers. <i>Polymers</i> , 2022, 14, 743.	2.0	2
120	Fabrication of micro-hollow fiber by electrospinning process in near-critical carbon dioxide. , 2014, , .		1
121	Hydrophilic polymer composites synthesized by electrospinning under dense carbon dioxide. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
122	Pulsed Discharge Plasma over the Surface of an Aqueous Solution to Induce Lignin Decomposition. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5923-5934.	1.7	1
123	Molecular Dynamics Simulation of Tolman Length and Interfacial Tension of Symmetric Binary Lennardâ€™Jones Liquid. <i>Symmetry</i> , 2021, 13, 1376.	1.1	1
124	Thermodynamic model of extraction equilibrium in cylindrical nanopores validated with molecular dynamics simulation. <i>Chemical Engineering Science</i> , 2022, 248, 117115.	1.9	1
125	Reaction of pyrrole induced pulsed discharge plasma over a water surface and supercritical water. , 2011, , .		0
126	Pulsed laser ablation in pressurized CO&lt;inf&gt;2&lt;/inf&gt; for nanoparticles fabrication. , 2011, , .		0



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127	Extraction of valuable compounds from mangosteen pericarps by hydrothermal assisted sonication. AIP Conference Proceedings, 2015, , .	0.3	0
128	Reaction of Cl <sup>-</sup> ions in electrolyte solution induced electrical discharge plasma in the presence of argon fine bubbles. AIP Conference Proceedings, 2017, , .	0.3	0
129	Enhanced production of $\beta$ -carotene suspensions using supercritical CO <sub>2</sub> via naturally occurring Z-isomerization-accelerating catalyst. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012008.	0.3	0
130	Molecular dynamics simulation and thermodynamic model of vapor–solid coexistence of the Lennard–Jones fluid in cylindrical nanopores. Chemical Engineering Science, 2022, 248, 117116.	1.9	0
131	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
132	Enhancement of Curcuma xanthorrhiza Roxb Phytochemical Dissolution via Micronization Using a Supercritical Antisolvent Technique. ACS Omega, 2022, 7, 6345-6353.	1.6	0
133	Gas/Liquid Pulsed Discharge Plasma in a Slug Flow Reactor under Pressurized Argon for Dye Decomposition. ACS Omega, 2022, 7, 12993-12999.	1.6	0
134	Synthesis of carbon-encapsulated metal-based nanoparticles by gas/liquid interfacial plasma under high pressure. Journal of Environmental Chemical Engineering, 2022, 10, 107771.	3.3	0