

# Sumarno Sumarno

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

670  
citations

1307366

7  
h-index

580701

25  
g-index

35  
all docs

35  
docs citations

35  
times ranked

693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of cassava starch degradation using sonication process in aqueous sodium chloride. Journal of the Science of Food and Agriculture, 2021, 101, 2406-2413.	1.7	10
2	The degradation of cellulose in ionic mixture solutions under the high pressure of carbon dioxide. RSC Advances, 2021, 11, 3484-3494.	1.7	7
3	The effect of alkaline concentration in the alkaline delignification-assisted sonication on sengon wood. AIP Conference Proceedings, 2021, , .	0.3	2
4	Isolation of cellulose from teak wood using hydrothermal method. AIP Conference Proceedings, 2021, , .	0.3	0
5	Experimental and Numerical Simulation of Starch Degradation under Sonication Process. IOP Conference Series: Materials Science and Engineering, 2021, 1053, 012104.	0.3	0
6	Simulation study of engineered Integral-Layer with Solid-Skin structure in Microcellular Polystyrene Foam using Superheat-Induced-Foaming method. IOP Conference Series: Materials Science and Engineering, 2021, 1053, 012011.	0.3	0
7	Depolymerization Kinetics of Aqueous Cassava Starch under Sonication Process using Free-Radical Depolymerization Model and its Correlation with Radical Production from Acoustic Cavitation. IOP Conference Series: Materials Science and Engineering, 2021, 1143, 012066.	0.3	0
8	Structural Properties Change of Cassava Starch Granule Induced by High Shear Mixer. Starch/Staerke, 2020, 72, 2000004.	1.1	6
9	The Influence of Hydrolysis Time in Hydrothermal Process of Cellulose from Sengon Wood Sawdust. Macromolecular Symposia, 2020, 391, 2000016.	0.4	10
10	Preparation of starch-graft-acrylic acid/bentonite composite gel. AIP Conference Proceedings, 2020, , .	0.3	2
11	Study of microcellular foaming of polystyrene aided with 45 kHz of ultrasound waves energy. Polymer-Plastics Technology and Materials, 2020, 59, 1343-1349.	0.6	2
12	Comparison of microwave and conventional extraction methods for natural dyes in wood waste of mahogany (Swietenia mahagoni). Journal of Applied Engineering Science, 2020, 18, 618-623.	0.4	11
13	Effect of amplitude on ultrasound treatment for reducing sugar production from cassava starch. AIP Conference Proceedings, 2019, , .	0.3	5
14	The effect of ultrasound for impurities removal on spent catalyst from naphtha hydrotreater (NHT) processing unit. AIP Conference Proceedings, 2019, , .	0.3	2
15	The effect of water addition in inclusion formation of ketoprofen/ $\beta$ -cyclodextrin using supercritical CO <sub>2</sub> . AIP Conference Proceedings, 2019, , .	0.3	2
16	Ultrasound Pre-treatment for Intensification of Hydrothermal Process in Reducing Sugar Production from Cassava Starch. IOP Conference Series: Materials Science and Engineering, 2019, 543, 012085.	0.3	3
17	Effect of shear rate in high shear mixing process on the structure of cassava starch granule and reducing sugar product. IOP Conference Series: Materials Science and Engineering, 2019, 673, 012135.	0.3	1
18	Microwave-assisted Extraction of Natural Dyes from <i>Coleus atropurpureus</i> Leaves: The Effect of Solvent. MATEC Web of Conferences, 2018, 156, 06011.	0.1	7

#	ARTICLE	IF	CITATIONS
19	Formation of fine particles using supercritical fluid (SCF) process: Short review. Communications in Science and Technology, 2018, 3, 57-63.	0.4	5
20	Ion adsorption and desorption behaviors of thermosensitive NIPAM-co-DMAAPS gel by temperature swing. AIP Conference Proceedings, 2017, , .	0.3	6
21	Jackfruit ( <i>Artocarpus heterophyllus</i> lamk) wood waste as a textile natural dye by microwave-assisted extraction method. AIP Conference Proceedings, 2017, , .	0.3	6
22	Ketoprofen- $\beta$ -cyclodextrin inclusion complexes formation by supercritical process technology. AIP Conference Proceedings, 2017, , .	0.3	2
23	Effect of particle size and crystallinity of cellulose filler on the properties of poly(L-lactic acid): Mechanical property and thermal stability. AIP Conference Proceedings, 2017, , .	0.3	6
24	Adsorption and Desorption of Na <sup>+</sup> and NO <sub>3</sub> <sup>-</sup> Ions on Thermosensitive NIPAM-co-DMAAPS Gel in Aqueous Solution. Indonesian Journal of Chemistry, 2017, 17, 446.	0.3	6
25	The influence of dissolved H <sub>2</sub> O content in supercritical carbon dioxide to the inclusion complexes formation of ketoprofen- $\beta$ -cyclodextrin. AIP Conference Proceedings, 2015, , .	0.3	2
26	The production of glucose from corn stalk using hydrothermal process with pre-treatment ultrasound assisted alkaline. AIP Conference Proceedings, 2015, , .	0.3	1
27	Degradation of Chitosan by Hydrothermal Process in the Presence of Sonication Pre-treatment with Supercritical CO <sub>2</sub> as Pressurized Fluid. Macromolecular Symposia, 2015, 353, 212-219.	0.4	10
28	CO <sub>2</sub> Frost Phenomenon for Binary System of Methane-Carbon Dioxide Mixtures. Journal of Engineering and Technological Sciences, 2015, 47, 612-622.	0.3	21
29	Degradation of chitosan by sonication in very-low-concentration acetic acid. Polymer Degradation and Stability, 2014, 110, 344-352.	2.7	70
30	Degradation of glycerol using hydrothermal process. Bioresource Technology, 2011, 102, 9267-9271.	4.8	66
31	Production of polystyrene microcellular foam plastics and a comparison of late- and quick-heating. Journal of Applied Polymer Science, 2000, 77, 2383-2395.	1.3	28
32	Polystyrene microcellular plastic generation by quick-heating process at high temperature. Polymer Engineering and Science, 2000, 40, 1510-1521.	1.5	19
33	Solubilities and diffusion coefficients of carbon dioxide and nitrogen in polypropylene, high-density polyethylene, and polystyrene under high pressures and temperatures. Fluid Phase Equilibria, 1999, 162, 261-276.	1.4	346
34	Production of Microsphere Polystyrene Using Solution Enhanced Dispersion by CO <sub>2</sub> and Supercritical Fluids (SEDS). Key Engineering Materials, 0, 805, 146-152.	0.4	0
35	Synthesis and characterization of composite gels starch-graftacrylic acid/bentonite (St-g-AA/B) using N-methylmethacrylamide (MBA). IOP Conference Series: Materials Science and Engineering, 0, 509, 012150.	0.3	6