

Yusuf Wibisono

List of Publications by Year in descending order

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79
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times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput Microfiltration Membranes with Natural Biofouling Reducer Agent for Food Processing. Processes, 2019, 7, 1.	1.3	157
2	Two-phase flow in membrane processes: A technology with a future. Journal of Membrane Science, 2014, 453, 566-602.	4.1	134
3	Recent progress in integrated fixed-film activated sludge process for wastewater treatment: A review. Journal of Environmental Management, 2020, 268, 110718.	3.8	107
4	Membrane Surface Patterning as a Fouling Mitigation Strategy in Liquid Filtration: A Review. Polymers, 2019, 11, 1687.	2.0	50
5	Biofouling removal in spiral-wound nanofiltration elements using two-phase flow cleaning. Journal of Membrane Science, 2015, 475, 131-146.	4.1	44
6	Facile Approaches of Polymeric Face Masks Reuse and Reinforcements for Micro-Aerosol Droplets and Viruses Filtration: A Review. Polymers, 2020, 12, 2516.	2.0	36
7	Hydrogel-coated feed spacers in two-phase flow cleaning in spiral wound membrane elements: A novel platform for eco-friendly biofouling mitigation. Water Research, 2015, 71, 171-186.	5.3	35
8	Engineered spacers for fouling mitigation in pressure driven membrane processes: Progress and projection. Journal of Environmental Chemical Engineering, 2021, 9, 106285.	3.3	24
9	Chlorella vulgaris broth harvesting via standalone forward osmosis using seawater draw solution. Bioresource Technology Reports, 2020, 9, 100394.	1.5	18
10	Microwave-assisted extraction of phenolic compounds from <i>Moringa oleifera</i> seed as anti-biofouling agents in membrane processes. MATEC Web of Conferences, 2018, 204, 03003.	0.1	17
11	Insight into the Sustainable Integration of Bio- and Petroleum Refineries for the Production of Fuels and Chemicals. Polymers, 2020, 12, 1091.	2.0	17
12	Dry Degumming of Corn-oil for Biodiesel Using a Tubular Ceramic Membrane. Procedia Chemistry, 2014, 9, 210-219.	0.7	15
13	Dominant factors controlling the efficiency of two-phase flow cleaning in spiral-wound membrane elements. Desalination and Water Treatment, 2016, 57, 17625-17636.	1.0	15
14	Systematic Characterization of Nanostructured Lipid Carriers from Cetyl Palmitate/Caprylic Triglyceride/Tween 80 Mixtures in an Aqueous Environment. Langmuir, 2021, 37, 4284-4293.	1.6	14
15	Microalgae in Food-Energy-Water Nexus: A Review on Progress of Forward Osmosis Applications. Membranes, 2019, 9, 166.	1.4	13
16	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. Energies, 2021, 14, 6385.	1.6	13
17	Development of Chitosan/Starch-Based Forward Osmosis Water Filtration Bags for Emergency Water Supply. Membranes, 2020, 10, 414.	1.4	12
18	Synthesis and Sinterability of Hydroxyapatite from Fishery by-products. Journal of the Korean Ceramic Society, 2018, 55, 570-575.	1.1	12

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19	A Review on Recent Progress in Membrane Distillation Crystallization. ChemBioEng Reviews, 2022, 9, 93-109.	2.6	11
20	Bioceramics synthesis of hydroxyapatite from red snapper fish scales biowaste using wet chemical precipitation route. IOP Conference Series: Earth and Environmental Science, 2018, 131, 012038.	0.2	10
21	Image Analysis using Color Co-occurrence Matrix Textural Features for Predicting Nitrogen Content in Spinach. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 2712.	0.6	10
22	Synthesis of Polyurethane Membranes Derived from Red Seaweed Biomass for Ammonia Filtration. Membranes, 2021, 11, 668.	1.4	9
23	The Water Flux Dynamic in a Hybrid Forward Osmosis-Membrane Distillation for Produced Water Treatment. Membranes, 2020, 10, 225.	1.4	8
24	Effect of electrolyte thickness manipulation on enhancing carbon deposition resistance of methane-fueled solid oxide fuel cell. International Journal of Energy Research, 2021, 45, 2837-2855.	2.2	8
25	Membrane Filtration as Post-Treatment of Rotating Biological Contactor for Wastewater Treatment. Sustainability, 2021, 13, 7287.	1.6	8
26	Extraction of Phenol and Antioxidant Compounds from Kepok Banana Skin with PEF Pre-Treatment. IOP Conference Series: Earth and Environmental Science, 2019, 305, 012065.	0.2	7
27	Membrane Technology for Microalgae Harvesting. , 2020, , 97-110.		7
28	Dependence of the Core-Shell Structure on the Lipid Composition of Nanostructured Lipid Carriers: Implications for Drug Carrier Design. ACS Applied Nano Materials, 2022, 5, 9958-9969.	2.4	7
29	Unravelling the Potency of Activated Carbon Powder Derived from Cultivated Marine Microalgae as a Promising Filler in Mixed Matrix Membranes. AgriEngineering, 2019, 1, 188-204.	1.7	6
30	Development of Chitosan/Rice Husk-Based Silica Composite Membranes for Biodiesel Purification. Membranes, 2022, 12, 435.	1.4	6
31	Enhanced antibiofouling properties of chitosan-based membranes by coating and blending of Moringa Oleifera L extracts. IOP Conference Series: Materials Science and Engineering, 0, 434, 012191.	0.3	5
32	Marine microalgae <i>Nannochloropsis oculata</i> biomass harvesting using ultrafiltration in cross-flow mode. IOP Conference Series: Earth and Environmental Science, 2018, 131, 012042.	0.2	5
33	Effect of Carbonization Temperature Variations and Activator Agent Types on Activated Carbon Characteristics of Sengon Wood Waste (<i>Paraserianthes falcataria</i> (L.) Nielsen). IOP Conference Series: Earth and Environmental Science, 0, 239, 012006.	0.2	5
34	Cacao Pod Husk Extract Phenolic Nanopowder-Impregnated Cellulose Acetate Matrix for Biofouling Control in Membranes. Membranes, 2021, 11, 748.	1.4	5
35	Marine-Derived Biowaste Conversion into Bioceramic Membrane Materials: Contrasting of Hydroxyapatite Synthesis Methods. Molecules, 2021, 26, 6344.	1.7	5
36	Influence of Feed Spacer Geometries on Air/Water Cleaning in Spiral Wound Membrane Elements. Procedia Engineering, 2012, 44, 613-617.	1.2	4

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37	Concentration Boundary Layer in Membrane Degumming: A CFD Model and Neural Network Approach. <i>Procedia Environmental Sciences</i> , 2015, 28, 224-233.	1.3	4
38	Hybridization of nitrogen compounds and hydroxyapatite: a slowly released fertiliser for water sustainability. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 475, 012005.	0.2	4
39	Prediction of size reduction by batch ball milling process for crab shell powder prior hydroxyapatite conversion. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 542, 012011.	0.2	4
40	Ultra-Low-Pressure Membrane Filtration for Simultaneous Recovery of Detergent and Water from Laundry Wastewater. <i>Membranes</i> , 2022, 12, 591.	1.4	4
41	Characterization of entrapment behavior of polyphenols in nanostructured lipid carriers and its effect on their antioxidative activity. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 269-275.	1.1	4
42	Design and performance of bioreactor for fermentative biogas production from marine microalgae. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 230, 012009.	0.2	3
43	Antibacterial activity of cocoa pod husk phenolic extract against <i>Escherichia coli</i> for food processing. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 475, 012006.	0.2	3
44	Mekanisme Fouling pada Membran Mikrofiltrasi Mode Aliran Searah dan Silang. <i>Jurnal Rekayasa Proses</i> , 2019, 13, 6.	0.1	3
45	Halal Compliance on Drinking Water Industries: A Future Perspective. , 2018, , 555-564.		2
46	Low cost carbon electrodes to produce salinity gradient energy using reverse electrodialysis membranes: Effect of feed flow velocities and addition of Mg ²⁺ . <i>MATEC Web of Conferences</i> , 2018, 197, 09006.	0.1	2
47	Microstructure changes of taro (<i>Colocasia esculenta</i> L. Schott) chips and grains during drying. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 230, 012008.	0.2	2
48	Garlic-based phenolic nanopowder as antibiofouling agent in mixed-matrix membrane. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 542, 012005.	0.2	2
49	Effect of carbonisation temperature and activating agents on the characteristics of activated carbon produced from oil palm empty fruit bunch. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 733, 012004.	0.2	2
50	PENGARUH PENGGUNAAN VACUUM COOLING TERHADAP PERUBAHAN MUTU MADU HUTAN RIAU. <i>Jurnal Teknologi Pertanian</i> , 2021, 10, 49-57.	0.0	2
51	Application of microwave assisted extraction in extracting Torbangun leaves (<i>Coleus ambonicus</i> , L.) and its effects on polyphenol and flavonoids content. <i>Advances in Food Science Sustainable Agriculture and Agroindustrial Engineering</i> , 2018, 1, 8-16.	0.0	2
52	Characterization of <i>Pseudomonas fluorescens</i> polyhydroxyalkanoate produced from molasses as a carbon source. <i>Advances in Food Science Sustainable Agriculture and Agroindustrial Engineering</i> , 2020, 3, 1-10.	0.0	2
53	Activated Carbon Loaded Mixed Matrix Membranes Extracted from Oil Palm Empty Fruit Bunches for Vehicle Exhaust Gas Adsorbers. <i>Evergreen</i> , 2021, 8, 593-600.	0.3	2
54	Fabrication of Cellulose Acetate Membrane using Cyrene as Green Solvent. , 0, , .		2

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55	Design and Performance of Ethanol Purification Tests Using Poly Ether Sulfone Composite Membrane in The Membrane Pervaporation Process. IOP Conference Series: Materials Science and Engineering, 2019, 546, 032014.	0.3	1
56	Intelligent Precision Nitrogen Fertilizer Application Based on Speaking Plant Approach for Environmental Sustainability. IOP Conference Series: Earth and Environmental Science, 2019, 239, 012027.	0.2	1
57	Computational fluid dynamics analysis of mini membrane module flow behavior. IOP Conference Series: Earth and Environmental Science, 2020, 475, 012009.	0.2	1
58	Design of forward osmosis system. , 2020, , 57-83.		1
59	PENDUGAAN REDUKSI UKURAN BERBASIS MODEL ALGORITMA PERHITUNGAN BALIK PADA PENEPIUNGAN CANGKANG RAJUNGAN MENGGUNAKAN BALL-MILL. Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem, 2021, 9, 66-75.	0.1	1
60	Drying cabya (<i>Piper retrofractum</i> Vahl.) at three ripeness stages. IOP Conference Series: Earth and Environmental Science, 2021, 733, 012011.	0.2	1
61	Moisture Sorption Isotherm and Isotheric Heat of Butterfly-pea Flowers (<i>Clitoria ternatea</i>). IOP Conference Series: Earth and Environmental Science, 2021, 757, 012028.	0.2	1
62	Anti-biofoulan Alami Moringa oleifera Sebagai Bahan Pengisi Membran Mixed Matrix Selulosa Asetat untuk Klarifikasi Jus Buah. Jurnal Rekayasa Kimia & Lingkungan, 2018, 13, 100-109.	0.5	1
63	Physical Properties of Peanuts in Talam 1 Varieties, Talam 2 Varieties and Takar 2 Varieties. Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem, 2019, 7, 174-184.	0.1	1
64	Purification of Sugarcane Juice (<i>Saccharum officinarum</i> L.) Using Chitosan Membrane with Dead-End Flow System. International Journal on Advanced Science, Engineering and Information Technology, 2020, 10, 2367-2377.	0.2	1
65	EKSTRAKSI SENYAWA FENOLIK DARI BAWANG PUTIH (<i>Allium sativum</i> L.) UNTUK AGEN ANTI-BIOFOULING PADA MEMBRAN. Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem, 2020, 8, 100-109.	0.1	1
66	Synthesis of Anti-biofoulant Green Nanoparticles Embedded Cellulose Acetate Membranes. , 2020, 69, .		1
67	Characterization of Bioactive Sialyl Oligosaccharides Separated from Colostrum of Indonesia Dairy Goat. Food Science of Animal Resources, 2022, 42, 426-440.	1.7	1
68	Functional Design of Pocket Fertigation under Specific Microclimate and Irrigation Rates: A Preliminary Study. Agronomy, 2022, 12, 1362.	1.3	1
69	Feasibility study on the use of UV/Vis spectroscopy to measure total phenolic compound and pH in apple (<i>Malus sylvestris</i> L.) cv. Manalagi. IOP Conference Series: Earth and Environmental Science, 2020, 475, 012003.	0.2	0
70	Modeling and optimization of palm oil moisture loss as biodiesel pretreatment. IOP Conference Series: Earth and Environmental Science, 2020, 456, 012035.	0.2	0
71	Modeling and Optimization of Total Phenol of Tamarillo Seed Extract Using Response Surface Method. IOP Conference Series: Earth and Environmental Science, 2020, 515, 012076.	0.2	0
72	Implementation of drinking water treatment device for primary school students and teachers (Case) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2020, 524, 012023.	0.2	0

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73	Some physical and mechanical properties of fermented Keluwak (<i>Pangium edule</i> Reinw) seed. IOP Conference Series: Earth and Environmental Science, 2020, 475, 012008.	0.2	0
74	Pengaruh Konsentrasi Karagenan dan Rasio Daging Wortel: Air Terhadap Sifat Fisikokimia Vegetable Leather Wortel (<i>Daucus carota</i> L.). Jurnal Keteknikan Pertanian Tropis Dan Biosistem, 2019, 007, 161-171.	0.1	0
75	Sintesis Karbon Aktif Berbahan Dasar Mikroalga <i>Chlorella vulgaris</i> Menggunakan Aktivator KOH dan Iradiasi Gelombang Mikro. Rekayasa Mesin, 2019, 10, 121-129.	0.2	0
76	Karakteristik Fisik Briket dari Campuran Serbuk Teh dan Serbuk Kayu Trembesi (<i>Samanea Saman</i>) dengan Perekat Tepung Tapioka. Jurnal Keteknikan Pertanian Tropis Dan Biosistem, 2019, 7, 245-252.	0.1	0
77	Hidrolisis Hemiselulosa pada Kulit Pisang Ambon Hong (<i>Musa Acuminata</i>) Menggunakan Katalis Asam Sulfat (H_2SO_4) pada Produksi Xilosa. Jurnal Keteknikan Pertanian Tropis Dan Biosistem, 2020, 8, 46-56.	0.1	0
78	Assessment of Point-of-Use Membrane-Based Drinking Water Appliance for Local Community. Journal of Engineering Science and Technology Review, 2021, 14, 1-7.	0.2	0