

Muhammad Bilad

List of Publications by Year in descending order

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212
papers

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76326

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213
docs citations

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times ranked

4898
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#	ARTICLE	IF	CITATIONS
1	Updated review on microplastics in water, their occurrence, detection, measurement, environmental pollution, and the need for regulatory standards. <i>Environmental Pollution</i> , 2022, 292, 118421.	7.5	63
2	Simultaneous increase in CO ₂ permeability and selectivity by BIT-72 and modified BIT-72 based mixed matrix membranes. <i>Chemical Engineering Research and Design</i> , 2022, 178, 136-147.	5.6	13
3	A Review on Recent Progress in Membrane Distillation Crystallization. <i>ChemBioEng Reviews</i> , 2022, 9, 93-109.	4.4	11
4	Fabrication of Polyvinylidene Difluoride Membrane with Enhanced Pore and Filtration Properties by Using Tannic Acid as an Additive. <i>Polymers</i> , 2022, 14, 186.	4.5	5
5	Response Surface Methodology for Optimization of Rotating Biological Contactor Combined with External Membrane Filtration for Wastewater Treatment. <i>Membranes</i> , 2022, 12, 271.	3.0	19
6	Long-Term Performance and Stability of Interlayer-Free Mesoporous Silica Membranes for Wetland Saline Water Pervaporation. <i>Polymers</i> , 2022, 14, 895.	4.5	13
7	Thermophysical Properties of Nanofluid in Two-Phase Fluid Flow through a Porous Rectangular Medium for Enhanced Oil Recovery. <i>Nanomaterials</i> , 2022, 12, 1011.	4.1	12
8	Combination of Coagulation, Adsorption, and Ultrafiltration Processes for Organic Matter Removal from Peat Water. <i>Sustainability</i> , 2022, 14, 370.	3.2	16
9	Controlling Air Bubble Formation Using Hydrophilic Microfiltration Diffuser for <i>C. vulgaris</i> Cultivation. <i>Membranes</i> , 2022, 12, 414.	3.0	4
10	A novel membrane-based bubble generator for oxygen dissolution in water. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 175, 108938.	3.6	4
11	Functionalization of PEG-AgNPs Hybrid Material to Alleviate Biofouling Tendency of Polyethersulfone Membrane. <i>Polymers</i> , 2022, 14, 1908.	4.5	10
12	A Rotary Spacer System for Energy-Efficient Membrane Fouling Control in Oil/Water Emulsion Filtration. <i>Membranes</i> , 2022, 12, 554.	3.0	6
13	Confounding Effect of Wetting, Compaction, and Fouling in an Ultra-Low-Pressure Membrane Filtration: A Review. <i>Polymers</i> , 2022, 14, 2073.	4.5	8
14	Bench-Scale Fixed-Bed Column Study for the Removal of Dye-Contaminated Effluent Using Sewage-Sludge-Based Biochar. <i>Sustainability</i> , 2022, 14, 6484.	3.2	26
15	Ultra-Low-Pressure Membrane Filtration for Simultaneous Recovery of Detergent and Water from Laundry Wastewater. <i>Membranes</i> , 2022, 12, 591.	3.0	4
16	The Sustainability and Development Strategy of a Cattle Feed Bank: A Case Study. <i>Sustainability</i> , 2022, 14, 7989.	3.2	1
17	CO ₂ from waste to resource by developing novel mixed matrix membranes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12397-12405.	5.3	6
18	An energy-efficient membrane rotating biological contactor for wastewater treatment. <i>Journal of Cleaner Production</i> , 2021, 282, 124544.	9.3	41

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19	Effect of membrane properties in a membrane rotating biological contactor for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104869.	6.7	17
20	Development of membrane material for oily wastewater treatment: A review. <i>Ain Shams Engineering Journal</i> , 2021, 12, 1361-1374.	6.1	43
21	Recent Development on Electrospun Nanofiber Membrane for Produced Water Treatment: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104613.	6.7	47
22	Inclined forward osmosis module system for fouling control in sustainable produced water treatment using seawater as draw solution. <i>Journal of Water Process Engineering</i> , 2021, 40, 101752.	5.6	10
23	Recent advances in advanced oxidation processes for removal of contaminants from water: A comprehensive review. <i>Chemical Engineering Research and Design</i> , 2021, 146, 220-256.	5.6	141
24	Polyvinylidene Fluoride Membrane Via Vapour Induced Phase Separation for Oil/Water Emulsion Filtration. <i>Polymers</i> , 2021, 13, 427.	4.5	19
25	Gravity-driven membrane filtration for decentralized water and wastewater treatment. , 2021, , 177-185.		6
26	Performance and Energy Consumption Evaluation of Rotating Biological Contactor for Domestic Wastewater Treatment. <i>Indonesian Journal of Science and Technology</i> , 2021, 6, 101-112.	1.5	16
27	Effect of organic and nitrogen loading rate in a rotating biological contactor for wastewater treatment. <i>Journal of Physics: Conference Series</i> , 2021, 1793, 012063.	0.4	4
28	Optical Properties and Conductivity of PVAâ€“H ₃ PO ₄ (Polyvinyl Alcoholâ€“Phosphoric Acid) Film Blend Irradiated by Î³-Rays. <i>Polymers</i> , 2021, 13, 1065.	4.5	10
29	Development of Biosorbent Derived from the Endocarp Waste of Gayo Coffee for Lead Removal in Liquid Wastewaterâ€“Effects of Chemical Activators. <i>Sustainability</i> , 2021, 13, 3050.	3.2	18
30	Explication of hydrophobic silica as effective pore former for membrane fabrication. <i>Applied Surface Science Advances</i> , 2021, 3, 100051.	6.8	15
31	Development of Polyvinylidene Fluoride Membrane via Assembly of Tannic Acid and Polyvinylpyrrolidone for Filtration of Oil/Water Emulsion. <i>Polymers</i> , 2021, 13, 976.	4.5	18
32	Moisture Content Impact on Properties of Briquette Produced from Rice Husk Waste. <i>Sustainability</i> , 2021, 13, 3069.	3.2	27
33	Estimation of energy consumption during cross-flow membrane filtration of oil/water emulsion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1142, 012003.	0.6	0
34	Integrated project-based learning (IPBL) implementation for first year chemical engineering student: DIY hydraulic jack project. <i>Education for Chemical Engineers</i> , 2021, 35, 54-62.	4.8	20
35	Ionic Liquid Blend Thin Film Composite Membrane for Carbon Dioxide Separation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1142, 012013.	0.6	2
36	Comparison of different activated agents on biomass-derived graphene towards the hybrid nanocomposites with zeolitic imidazolate framework-8 for room temperature hydrogen storage. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105118.	6.7	9

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37	Modeling and Optimization of Biochar Based Adsorbent Derived from Kenaf Using Response Surface Methodology on Adsorption of Cd ²⁺ . <i>Water (Switzerland)</i> , 2021, 13, 999.	2.7	42
38	Effect of Membrane Materials and Operational Parameters on Performance and Energy Consumption of Oil/Water Emulsion Filtration. <i>Membranes</i> , 2021, 11, 370.	3.0	12
39	[EMIM][Tf ₂ N]-Modified Silica as Filler in Mixed Matrix Membrane for Carbon Dioxide Separation. <i>Membranes</i> , 2021, 11, 371.	3.0	7
40	Process Optimization of In Situ Magnetic-Anisotropy Spark Plasma Sintering of M-Type-Based Barium Hexaferrite BaFe ₁₂ O ₁₉ . <i>Materials</i> , 2021, 14, 2650.	2.9	7
41	Ultra low-pressure filtration system for energy efficient microalgae filtration. <i>Heliyon</i> , 2021, 7, e07367.	3.2	14
42	Cigarette Butt Waste as Material for Phase Inverted Membrane Fabrication Used for Oil/Water Emulsion Separation. <i>Polymers</i> , 2021, 13, 1907.	4.5	15
43	Membrane Filtration as Post-Treatment of Rotating Biological Contactor for Wastewater Treatment. <i>Sustainability</i> , 2021, 13, 7287.	3.2	8
44	Polymer Film Blend of Polyvinyl Alcohol, Trichloroethylene and Cresol Red for Gamma Radiation Dosimetry. <i>Polymers</i> , 2021, 13, 1866.	4.5	16
45	Pristine and Magnetic Kenaf Fiber Biochar for Cd ²⁺ Adsorption from Aqueous Solution. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7949.	2.6	40
46	Supported liquid membranes comprising of choline chloride based deep eutectic solvents for CO ₂ capture: Influence of organic acids as hydrogen bond donor. <i>Journal of Molecular Liquids</i> , 2021, 335, 116155.	4.9	15
47	Theoretical and experimental investigation of CO ₂ capture through choline chloride based supported deep eutectic liquid membranes. <i>Journal of Molecular Liquids</i> , 2021, 335, 116234.	4.9	12
48	Development of anti-microbial polyvinylidene fluoride (PVDF) membrane using bio-based ginger extract-silica nanoparticles (GE-SiNPs) for bovine serum albumin (BSA) filtration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 323-331.	5.3	17
49	Energy efficient harvesting of <i>Spirulina</i> sp. from the growth medium using a tilted panel membrane filtration. <i>Bioresource Technology Reports</i> , 2021, 15, 100697.	2.7	5
50	Formulation of Organic Wastes as Growth Media for Cultivation of Earthworm Nutrient-Rich <i>Eisenia foetida</i> . <i>Sustainability</i> , 2021, 13, 10322.	3.2	5
51	Exploring the potential of highly selective alkanolamine containing deep eutectic solvents based supported liquid membranes for CO ₂ capture. <i>Journal of Molecular Liquids</i> , 2021, 340, 117274.	4.9	23
52	Engineered spacers for fouling mitigation in pressure driven membrane processes: Progress and projection. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106285.	6.7	24
53	Supported deep eutectic liquid membranes with highly selective interaction sites for efficient CO ₂ separation. <i>Journal of Molecular Liquids</i> , 2021, 342, 117509.	4.9	15
54	Progress in treatment of oilfield produced water using membrane distillation and potentials for beneficial re-use. <i>Separation and Purification Technology</i> , 2021, 278, 119494.	7.9	13

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55	Halloysite Nanotube-Ferrihydrite Incorporated Polyethersulfone Mixed Matrix Membrane: Effect of Nanocomposite Loading on the Antifouling Performance. <i>Polymers</i> , 2021, 13, 441.	4.5	11
56	Progress in Emerging Contaminants Removal by Adsorption/Membrane Filtration-Based Technologies: A Review. <i>Indonesian Journal of Science and Technology</i> , 2021, 6, 577-618.	1.5	14
57	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. <i>Energies</i> , 2021, 14, 6385.	3.1	13
58	Ultrafiltration of β -Lactalbumin Protein: Acquaintance of the Filtration Performance by Membrane Structure and Surface Alteration. <i>Polymers</i> , 2021, 13, 3632.	4.5	7
59	A wavy flow channel system for membrane fouling control in oil/water emulsion filtration. <i>Journal of Water Process Engineering</i> , 2021, 44, 102340.	5.6	6
60	Sequencing Batch Integrated Fixed-Film Activated Sludge Membrane Process for Treatment of Tapioca Processing Wastewater. <i>Membranes</i> , 2021, 11, 875.	3.0	5
61	Antimicrobial Hydrophilic Membrane Formed by Incorporation of Polymeric Surfactant and Patchouli Oil. <i>Polymers</i> , 2021, 13, 3872.	4.5	9
62	Synergy of high permeability and selectivity of superbase/choline chloride/urea solution impregnated membranes for CO ₂ capture. <i>Carbon Capture Science & Technology</i> , 2021, 1, 100019.	10.4	13
63	Isolation and Characterization of Nanocrystalline Cellulose Isolated from Pineapple Crown Leaf Fiber Agricultural Wastes Using Acid Hydrolysis. <i>Polymers</i> , 2021, 13, 4188.	4.5	12
64	Improvement of Properties and Performances of Polyethersulfone Ultrafiltration Membrane by Blending with Bio-Based Dragonbloodin Resin. <i>Polymers</i> , 2021, 13, 4436.	4.5	14
65	Reflective Practices in Inquiry Learning: Its Effectiveness in Training Pre-Service Teachers' Critical Thinking Viewed from Cognitive Styles. <i>Jurnal Pendidikan IPA Indonesia</i> , 2021, 10, 505-514.	1.3	3
66	Properties of Biocomposite Film Based on Whey Protein Isolate Filled with Nanocrystalline Cellulose from Pineapple Crown Leaf. <i>Polymers</i> , 2021, 13, 4278.	4.5	12
67	Development of highly permeable and selective mixed matrix membranes based on Pebax®1657 and NOTT-300 for CO ₂ capture. <i>Separation and Purification Technology</i> , 2020, 234, 116101.	7.9	64
68	Synergistic solution of CO ₂ capture by novel lanthanide-based MOF-76 yttrium nanocrystals in mixed-matrix membranes. <i>Energy and Environment</i> , 2020, 31, 692-712.	4.6	14
69	Multi-objective Sustainability Assessment of Levulinic Acid Production from Empty Fruit Bunch. <i>Process Integration and Optimization for Sustainability</i> , 2020, 4, 37-50.	2.6	9
70	Patent landscape review on biodiesel production: Technology updates. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 118, 109526.	16.4	298
71	Synergistic effects of highly selective ionic liquid confined in nanocages: Exploiting the three component mixed matrix membranes for CO ₂ capture. <i>Chemical Engineering Research and Design</i> , 2020, 155, 123-132.	5.6	32
72	Effect of membrane properties on tilted panel performance of microalgae biomass filtration for biofuel feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109666.	16.4	38

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73	Flow uneven-distribution and its impact on performances of forward osmosis module. Journal of Water Process Engineering, 2020, 33, 101014.	5.6	14
74	Membrane Technology for Microalgae Harvesting. , 2020, , 97-110.		7
75	Novel Poly Deep Eutectic Solvents Based Supported Liquid Membranes for CO2 Capture. Frontiers in Energy Research, 2020, 8, .	2.3	23
76	Development of Polyvinylidene Fluoride Membrane by Incorporating Bio-Based Ginger Extract as Additive. Polymers, 2020, 12, 2003.	4.5	31
77	Porous Venturi-Orifice Microbubble Generator for Oxygen Dissolution in Water. Processes, 2020, 8, 1266.	2.8	16
78	Detergent and Water Recovery from Laundry Wastewater Using Tilted Panel Membrane Filtration System. Membranes, 2020, 10, 260.	3.0	14
79	Development of Hybrid and Templated Silica-P123 Membranes for Brackish Water Desalination. Polymers, 2020, 12, 2644.	4.5	18
80	A Comparative Study of Conventional Aerator and Microbubble Generator in Aerobic Reactors for Wastewater Treatment. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012132.	0.6	3
81	Integrated Biorefinery of Empty Fruit Bunch from Palm Oil Industries to Produce Valuable Biochemicals. Processes, 2020, 8, 868.	2.8	14
82	Assessment of patterned membrane in a tilted panel filtration system for fouling control in activated sludge filtration. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012174.	0.6	1
83	Carbon templated strategies of mesoporous silica applied for water desalination: A review. Journal of Water Process Engineering, 2020, 38, 101520.	5.6	37
84	An integrated rotating biological contactor and membrane separation process for domestic wastewater treatment. AEJ - Alexandria Engineering Journal, 2020, 59, 4257-4265.	6.4	27
85	Facile Approaches of Polymeric Face Masks Reuse and Reinforcements for Micro-Aerosol Droplets and Viruses Filtration: A Review. Polymers, 2020, 12, 2516.	4.5	36
86	One-Pot Polymerization of Dopamine as an Additive to Enhance Permeability and Antifouling Properties of Polyethersulfone Membrane. Polymers, 2020, 12, 1807.	4.5	12
87	Novel Activated Carbon Nanofibers Compositied with Cost-Effective Graphene-Based Materials for Enhanced Adsorption Performance toward Methane. Polymers, 2020, 12, 2064.	4.5	9
88	Catalytic Evaluation of Nanoflower Structured Manganese Oxide Electrocatalyst for Oxygen Reduction in Alkaline Media. Catalysts, 2020, 10, 822.	3.5	9
89	Two-Step Dopamine-to-Polydopamine Modification of Polyethersulfone Ultrafiltration Membrane for Enhancing Anti-Fouling and Ultraviolet Resistant Properties. Polymers, 2020, 12, 2051.	4.5	22
90	The Water Flux Dynamic in a Hybrid Forward Osmosis-Membrane Distillation for Produced Water Treatment. Membranes, 2020, 10, 225.	3.0	8

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91	Integrated Membrane Electrocoagulation System for Removal of Celestine Blue Dyes in Wastewater. <i>Membranes</i> , 2020, 10, 184.	3.0	28
92	<i>Eucheuma cottonii</i> Seaweed-Based Biochar for Adsorption of Methylene Blue Dye. <i>Sustainability</i> , 2020, 12, 10318.	3.2	43
93	Improving Ammonium Sorption of Bayah Natural Zeolites by Hydrothermal Method. <i>Processes</i> , 2020, 8, 1569.	2.8	7
94	Finned spacer panel system for fouling control in <i>Chlorella vulgaris</i> harvesting. IOP Conference Series: Materials Science and Engineering, 2020, 736, 062009.	0.6	0
95	Filterability of Polysulfone Membrane in a Tilted Panel System for Activated Sludge Filtration. <i>Water (Switzerland)</i> , 2020, 12, 3533.	2.7	0
96	Short-Chain Polyglycerol Production via Microwave-Assisted Solventless Glycerol Polymerization Process Over Lioh-Modified Aluminium Pillared Clay Catalyst: Parametric Study. <i>Processes</i> , 2020, 8, 1093.	2.8	2
97	Development of Polysulfone Membrane via Vapor-Induced Phase Separation for Oil/Water Emulsion Filtration. <i>Polymers</i> , 2020, 12, 2519.	4.5	20
98	Sustainability assessment of levulinic acid and succinic acid production from empty fruit bunch. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012140.	0.6	6
99	Polymeric membranes for desalination using membrane distillation: A review. <i>Desalination</i> , 2020, 490, 114530.	8.2	130
100	Improved bubbling for membrane fouling control in filtration of palm oil mill effluent anaerobic digester sludge. <i>Journal of Water Process Engineering</i> , 2020, 36, 101350.	5.6	9
101	Insight into the Sustainable Integration of Bio- and Petroleum Refineries for the Production of Fuels and Chemicals. <i>Polymers</i> , 2020, 12, 1091.	4.5	17
102	Low-pressure submerged membrane filtration for potential reuse of detergent and water from laundry wastewater. <i>Journal of Water Process Engineering</i> , 2020, 36, 101264.	5.6	32
103	<i>Chlorella vulgaris</i> broth harvesting via standalone forward osmosis using seawater draw solution. <i>Bioresource Technology Reports</i> , 2020, 9, 100394.	2.7	18
104	Patterned Membrane in an Energy-Efficient Tilted Panel Filtration System for Fouling Control in Activated Sludge Filtration. <i>Polymers</i> , 2020, 12, 432.	4.5	19
105	Development of Hydrophilic PVDF Membrane Using Vapour Induced Phase Separation Method for Produced Water Treatment. <i>Membranes</i> , 2020, 10, 121.	3.0	59
106	Hybrid Membrane Distillation and Wet Scrubber for Simultaneous Recovery of Heat and Water from Flue Gas. <i>Entropy</i> , 2020, 22, 178.	2.2	7
107	Improved Nylon 6,6 Nanofiber Membrane in A Tilted Panel Filtration System for Fouling Control in Microalgae Harvesting. <i>Polymers</i> , 2020, 12, 252.	4.5	23
108	Design of forward osmosis system. , 2020, , 57-83.		1

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109	Finned spacer for enhancing the impact of air bubbles for membrane fouling control in <i>Chlorella vulgaris</i> filtration. <i>Bioresource Technology Reports</i> , 2020, 11, 100429.	2.7	20
110	Recent progress in integrated fixed-film activated sludge process for wastewater treatment: A review. <i>Journal of Environmental Management</i> , 2020, 268, 110718.	7.8	107
111	SYNTHESIS AND CHARACTERIZATION OF CERAMIC MEMBRANE FROM FLY ASH AND CLAY PREPARED BY SINTERING METHOD AT LOW TEMPERATURE. <i>Rasayan Journal of Chemistry</i> , 2020, 13, 1335-1341.	0.4	10
112	Production of High Flux Poly(Ether Sulfone) Membrane Using Silica Additive Extracted from Natural Resource. <i>Membranes</i> , 2020, 10, 17.	3.0	16
113	Mechanical Impact in Disk Mill for Producing Controlled Rice Husk Particle Size by Changing Impactor Shapes and Disk Rotation Speeds. <i>Sains Malaysiana</i> , 2020, 49, 2927-2940.	0.5	2
114	Optimization of LNG Cold Energy Utilization via Power Generation, Refrigeration, and Air Separation. <i>Indonesian Journal of Science and Technology</i> , 2020, 5, 321-333.	1.5	0
115	Development of An Integrated Surface and Sub-Surface Simulation Model in A Single Simulation Platform. <i>Indonesian Journal of Science and Technology</i> , 2020, 5, 109-124.	1.5	0
116	Mixed matrix membranes comprising of polysulfone and microporous Bio-MOF-1: Preparation and gas separation properties. <i>Separation and Purification Technology</i> , 2019, 210, 442-451.	7.9	68
117	Well connection optimization in integrated subsurface and surface facilities: an industrial case study. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 2921-2926.	2.4	1
118	Membrane Surface Patterning as a Fouling Mitigation Strategy in Liquid Filtration: A Review. <i>Polymers</i> , 2019, 11, 1687.	4.5	50
119	Electrospun Nylon 6,6/ZIF-8 Nanofiber Membrane for Produced Water Filtration. <i>Water (Switzerland)</i> , 2019, 11, 2111.	2.7	19
120	Development of novel hydrophilic ionic liquid membranes for the recovery of biobutanol through pervaporation. <i>Journal of Environmental Management</i> , 2019, 251, 109618.	7.8	9
121	Organic Rankine Cycle (ORC) System Applications for Solar Energy: Recent Technological Advances. <i>Energies</i> , 2019, 12, 2930.	3.1	27
122	Finned spacer for efficient membrane fouling control in produced water filtration. <i>Journal of Environmental Management</i> , 2019, 249, 109359.	7.8	13
123	CO ₂ -Philic [EMIM][Tf ₂ N] Modified Silica in Mixed Matrix Membrane for High Performance CO ₂ /CH ₄ Separation. <i>Advances in Polymer Technology</i> , 2019, 1-10.	1.7	11
124	Development of A Novel Corrugated Polyvinylidene difluoride Membrane via Improved Imprinting Technique for Membrane Distillation. <i>Polymers</i> , 2019, 11, 865.	4.5	31
125	SO ₃ H functionalized UiO-66 nanocrystals in Polysulfone based mixed matrix membranes: Synthesis and application for efficient CO ₂ capture. <i>Separation and Purification Technology</i> , 2019, 224, 524-533.	7.9	54
126	Sequencing batch membrane photobioreactor for simultaneous cultivation of aquaculture feed and polishing of real secondary effluent. <i>Journal of Water Process Engineering</i> , 2019, 29, 100779.	5.6	16

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127	Microalgae in Food-Energy-Water Nexus: A Review on Progress of Forward Osmosis Applications. Membranes, 2019, 9, 166.	3.0	13
128	Improving Water Permeability of Hydrophilic PVDF Membrane Prepared via Blending with Organic and Inorganic Additives for Humic Acid Separation. Molecules, 2019, 24, 4099.	3.8	28
129	Improving Performance of Electrospun Nylon 6,6 Nanofiber Membrane for Produced Water Filtration via Solvent Vapor Treatment. Polymers, 2019, 11, 2117.	4.5	37
130	Gradual PVP leaching from PVDF/PVP blend membranes and its effects on membrane fouling in membrane bioreactors. Separation and Purification Technology, 2019, 213, 276-282.	7.9	45
131	A Review on Rotating Biological Contactors. Indonesian Journal of Science and Technology, 2019, 4, 241-256.	1.5	23
132	Multi-objective Optimization of Succinic Acid Production from Empty Fruit Bunch. ASEAN Journal of Chemical Engineering, 2019, 19, 1.	0.5	4
133	Adsorption Performance of Low-cost Java Plum Leaves and Guava Fruits as Natural Adsorbents for Removal of Free Fatty Acids from Coconut Oil. International Journal of Engineering, Transactions A: Basics, 2019, 32, .	0.4	4
134	Poly(vinylidene fluoride)-Based Membranes for Microalgae Filtration. Chemical Engineering and Technology, 2018, 41, 1305-1312.	1.5	15
135	Membrane development for improved performance of a magnetically induced vibration system for anaerobic sludge filtration. Separation and Purification Technology, 2018, 200, 120-129.	7.9	15
136	Techno-economic analysis of biodiesel production process from waste cooking oil using catalytic membrane reactor and realistic feed composition. Chemical Engineering Research and Design, 2018, 134, 564-574.	5.6	32
137	Tuning the gas separation performance of fluorinated and sulfonated PEEK membranes by incorporation of zeolite 4A. Journal of Applied Polymer Science, 2018, 135, 45952.	2.6	32
138	Advanced Aeration Using Finned Panel Spacer For Fouling Control In Produced Water Membrane Filtration. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012022.	0.6	1
139	Effect of dope solution temperature on the membrane structure and membrane distillation performance. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012032.	0.3	5
140	Exploiting the Interplay between Liquid-Liquid Demixing and Crystallization of the PVDF Membrane for Membrane Distillation. International Journal of Polymer Science, 2018, 2018, 1-10.	2.7	14
141	Biogas production from chicken food waste and cow manure via multi-stages anaerobic digestion. AIP Conference Proceedings, 2018, , .	0.4	8
142	Two-way switch: Maximizing productivity of tilted panel in membrane bioreactor. Journal of Environmental Management, 2018, 228, 529-537.	7.8	24
143	The Effect of Ca and Mg Ions on the Filtration Profile of Sodium Alginate Solution in a Polyethersulfone-2-(methacryloyloxy) Ethyl Phosphorylcholine Membrane. Water (Switzerland), 2018, 10, 1207.	2.7	7
144	ZIF-67 filled PDMS mixed matrix membranes for recovery of ethanol via pervaporation. Separation and Purification Technology, 2018, 206, 50-58.	7.9	156

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145	Non-linear least-square fitting method for characterization of forward osmosis membrane. Journal of Water Process Engineering, 2018, 25, 70-80.	5.6	11
146	Energy minimization of a tilted panel filtration system for microalgae filtration: Performance modeling and optimization. Algal Research, 2018, 34, 104-115.	4.6	20
147	Producing Biodiesel from Waste Cooking Oil with Catalytic Membrane Reactor: Process Design and Sensitivity Analysis. Arabian Journal for Science and Engineering, 2018, 43, 6261-6269.	3.0	13
148	Co-electrolysis for power-to-methanol applications. Renewable and Sustainable Energy Reviews, 2018, 95, 227-241.	16.4	67
149	Anaerobic membrane bioreactors for biohydrogen production: Recent developments, challenges and perspectives. Bioresource Technology, 2018, 269, 452-464.	9.6	100
150	Prototype aquaporin-based forward osmosis membrane: Filtration properties and fouling resistance. Desalination, 2018, 445, 75-84.	8.2	52
151	Tackling membrane fouling in microalgae filtration using nylon 6,6 nanofiber membrane. Journal of Environmental Management, 2018, 223, 23-28.	7.8	43
152	Microfiltration Membrane Assisted CO ₂ Diffuser for Algae Cultivation. Journal of Applied Membrane Science & Technology, 2018, 22, .	0.6	4
153	Limitation in Fabricating PSf/ZIF-8 Hollow Fiber Membrane for CO ₂ /CH ₄ Separation. Indonesian Journal of Science and Technology, 2018, 3, 138.	1.5	3
154	FABRICATION OF POLYETHERSULFONE MEMBRANES USING NANOCARBON AS ADDITIVE. International Journal of GEOMATE, 2018, 15, .	0.3	19
155	Role of Surface Pores on Fouling of Polyvinylidene Fluoride Membranes in Submerged Membrane Bioreactors. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012272.	0.6	4
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