Euntae Yang

List of Publications by Year in descending order

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39 papers	1,653 citations	331538 21 h-index	289141 40 g-index
40 all docs	40 docs citations	40 times ranked	1903 citing authors

#	Article	IF	Citations
1	Scalability of microbial electrochemical technologies: Applications and challenges. Bioresource Technology, 2022, 345, 126498.	4.8	46
2	Addressing scale-up challenges and enhancement in performance of hydrogen-producing microbial electrolysis cell through electrode modifications. Energy Reports, 2022, 8, 2726-2746.	2.5	49
3	Enhancing the Dye-Rejection Efficiencies and Stability of Graphene Oxide-Based Nanofiltration Membranes via Divalent Cation Intercalation and Mild Reduction. Membranes, 2022, 12, 402.	1.4	5
4	Recent Application of Nanomaterials to Overcome Technological Challenges of Microbial Electrolysis Cells. Nanomaterials, 2022, 12, 1316.	1.9	3
5	Preparation of adsorptive polyethyleneimine/polyvinyl chloride electrospun nanofiber membrane: Characterization and application. Journal of Environmental Management, 2022, 316, 115155.	3.8	10
6	2D materials-based membranes for hydrogen purification: Current status and future prospects. International Journal of Hydrogen Energy, 2021, 46, 11389-11410.	3.8	35
7	A review on self-sustainable microbial electrolysis cells for electro-biohydrogen production via coupling with carbon-neutral renewable energy technologies. Bioresource Technology, 2021, 320, 124363.	4.8	89
8	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. Membranes, 2021, 11, 458.	1.4	16
9	Outstanding performance of direct urea/hydrogen peroxide fuel cell based on precious metal-free catalyst electrodes. Energy, 2021, 228, 120584.	4.5	10
10	Tunable atomic level surface functionalization of a multi-layered graphene oxide membrane to break the permeability-selectivity trade-off in salt removal of brackish water. Separation and Purification Technology, 2021, 274, 119047.	3.9	8
11	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. Membranes, 2021, 11, 5.	1.4	9
12	MXene Materials for Designing Advanced Separation Membranes. Advanced Materials, 2020, 32, e1906697.	11.1	295
13	Asymmetric mixed-matrix membranes incorporated with nitrogen-doped graphene nanosheets for highly selective gas separation. Journal of Membrane Science, 2020, 615, 118293.	4.1	32
14	Transition metal/carbon nanoparticle composite catalysts as platinum substitutes for bioelectrochemical hydrogen production using microbial electrolysis cells. International Journal of Hydrogen Energy, 2019, 44, 2258-2265.	3.8	35
15	Scalable fabrication of graphene-based laminate membranes for liquid and gas separations by crosslinking-induced gelation and doctor-blade casting. Carbon, 2019, 155, 129-137.	5.4	40
16	Graphene-Based Membranes for CO2/CH4 Separation: Key Challenges and Perspectives. Applied Sciences (Switzerland), 2019, 9, 2784.	1.3	29
17	Critical review of bioelectrochemical systems integrated with membrane-based technologies for desalination, energy self-sufficiency, and high-efficiency water and wastewater treatment. Desalination, 2019, 452, 40-67.	4.0	98
18	Underwater superoleophobic modified polysulfone electrospun membrane with efficient antifouling for ultrafast gravitational oil-water separation. Separation and Purification Technology, 2018, 200, 284-293.	3.9	51

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19	Laminar reduced graphene oxide membrane modified with silver nanoparticle-polydopamine for water/ion separation and biofouling resistance enhancement. Desalination, 2018, 426, 21-31.	4.0	60
20	Tunable semi-permeability of graphene-based membranes by adjusting reduction degree of laminar graphene oxide layer. Journal of Membrane Science, 2018, 547, 73-79.	4.1	128
21	Development of Graphene Nanocomposite Membrane Using Layer-by-layer Technique for Desalination. Membrane Journal, 2018, 28, 75-82.	0.2	1
22	Enhanced desalination performance of forward osmosis membranes based on reduced graphene oxide laminates coated with hydrophilic polydopamine. Carbon, 2017, 117, 293-300.	5.4	125
23	The effect of doping temperature on the nitrogen-bonding configuration of nitrogen-doped graphene by hydrothermal treatment. RSC Advances, 2017, 7, 20738-20741.	1.7	18
24	Comparison of different semipermeable membranes for power generation and water flux in osmotic microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2016, 91, 2305-2312.	1.6	14
25	Effects of aeration on/off times and hydraulic retention times in an intermittently aerated membrane bioreactor. Desalination and Water Treatment, 2016, 57, 7574-7581.	1.0	5
26	Fouling characteristics and their implications on cleaning of a FO-RO pilot process for treating brackish surface water. Desalination, 2016, 394, 91-100.	4.0	39
27	Concurrent performance improvement and biofouling mitigation in osmotic microbial fuel cells using a silver nanoparticle-polydopamine coated forward osmosis membrane. Journal of Membrane Science, 2016, 513, 217-225.	4.1	64
28	Assessment of different ceramic filtration membranes as a separator in microbial fuel cells. Desalination and Water Treatment, 2016, 57, 28077-28085.	1.0	17
29	Evaluation of energy and water recovery in forward osmosisâ€“bioelectrochemical hybrid system with cellulose triacetate and polyamide asymmetric membrane in different orientations. Desalination and Water Treatment, 2016, 57, 7406-7413.	1.0	7
30	Foulant characterization and distribution in spiral wound reverse osmosis membranes from different pressure vessels. Desalination, 2015, 370, 44-52.	4.0	42
31	Influence of pressurized anode chamber on ion transports and power generation of UF membrane microbial fuel cells (UF-MFCs). Journal of Power Sources, 2015, 279, 731-736.	4.0	9
32	Evaluation of hydrogen production and internal resistance in forward osmosis membrane integrated microbial electrolysis cells. Bioresource Technology, 2015, 187, 106-112.	4.8	38
33	Effect of initial salt concentrations on cell performance and distribution of internal resistance in microbial desalination cells. Environmental Technology (United Kingdom), 2015, 36, 852-860.	1.2	21
34	Bioelectrochemical Production of Hydrogen from Organic Waste. Biofuels and Biorefineries, 2015, , 249-281.	0.5	2
35	Anode direct contact for enhancing power generation and biofouling reduction in ultrafiltration microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2014, 89, 1767-1771.	1.6	7
36	Polydopamine coating effects on ultrafiltration membrane to enhance power density and mitigate biofouling of ultrafiltration microbial fuel cells (UF-MFCs). Water Research, 2014, 54, 62-68.	5.3	105

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37	Sulfonated polyether ether ketone (SPEEK)-based composite proton exchange membrane reinforced with nanofibers for microbial electrolysis cells. Chemical Engineering Journal, 2014, 254, 393-398.	6.6	75
38	Microbial desalination cell for concurrent hydrogen peroxide production and desalination. Journal of Environmental Engineering and Science, 2014, 9, 197-206.	0.3	3
39	Improvement of biohydrogen generation and seawater desalination in a microbial electrodialysis cell by installing the direct proton transfer pathway between the anode and cathode chambers. Desalination and Water Treatment, 2013, 51, 6362-6369.	1.0	9