Youri Gendel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3846278/publications.pdf

Version: 2024-02-01

31 papers	1,508 citations	279487 23 h-index	433756 31 g-index
31 all docs	31 docs citations	31 times ranked	1795 citing authors

#	Article	IF	Citations
1	On-board zero-discharge water treatment unit for well-boats: Arctic char as a case study. Journal of Applied Aquaculture, 2022, 34, 953-968.	0.7	3
2	Separation of ions from water and wastewater using micro-scale capacitive-faradaic fuel cells (CFFCs), powered by H2(g) and air. Separation and Purification Technology, 2020, 253, 117494.	3.9	12
3	Separation and hydrogenation of nitrate ions by micro-scale capacitive-faradaic fuel cells (CFFCs). Electrochemistry Communications, 2020, 120, 106831.	2.3	8
4	Biochar-Assisted Iron-Mediated Water Electrolysis Process for Hydrogen Production. ACS Omega, 2020, 5, 31908-31917.	1.6	15
5	Treatment of acidic wastewater via fluoride ions removal by SiO2 particles followed by phosphate ions recovery using flow-electrode capacitive deionization. Chemical Engineering Journal, 2020, 400, 125892.	6.6	27
6	Nitrate hydrogenation by microtubular CNT-made catalytic membrane contactor. Chemical Engineering Journal, 2020, 401, 126142.	6.6	6
7	The working mechanisms of low molecular weight polynaphthalene sulfonate superplasticizers. Construction and Building Materials, 2020, 240, 117891.	3.2	10
8	Proof of concept of a new technology for prolonged high-density live shellfish transportation: Brown crab as a case study. Food Control, 2020, 114, 107239.	2.8	12
9	Ion transport and selectivity in thin film composite membranes in pressure-driven and electrochemical processes. Journal of Membrane Science, 2019, 584, 46-55.	4.1	20
10	Chlorine-free alkaline seawater electrolysis for hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 6504-6514.	3.8	63
11	3D-printed conductive static mixers enable all-vanadium redox flow battery using slurry electrodes. Journal of Power Sources, 2018, 379, 228-233.	4.0	44
12	Separation of divalent and monovalent ions using flow-electrode capacitive deionization with nanofiltration membranes. Desalination, 2018, 425, 123-129.	4.0	65
13	New insights into the mechanism of flow-electrode capacitive deionization. Electrochemistry Communications, 2017, 76, 24-28.	2.3	92
14	Flow-Electrode Capacitive Deionization for Double Displacement Reactions. ACS Sustainable Chemistry and Engineering, 2017, 5, 3906-3912.	3.2	39
15	Porous poly(benzimidazole) membrane for all vanadium redox flow battery. Journal of Power Sources, 2016, 312, 45-54.	4.0	135
16	Tubular carbon nanotube-based gas diffusion electrode removes persistent organic pollutants by a cyclic adsorption â€“ Electro-Fenton process. Journal of Hazardous Materials, 2016, 307, 1-6.	6.5	97
17	Single module flow-electrode capacitive deionization for continuous water desalination. Electrochemistry Communications, 2015, 60, 34-37.	2.3	117
18	Proton-exchange membranes based on sulfonated poly(ether ether ketone)/polyaniline blends for all- and air-vanadium redox flow battery applications. Journal of Energy Storage, 2015, 1, 65-71.	3.9	34

#	Article	IF	Citations
19	A membrane electrode assembly for the electrochemical synthesis of hydrocarbons from CO2(g) and H2O(g). Electrochemistry Communications, 2015, 50, 64-68.	2.3	32
20	Potential applications of indirect electrochemical ammonia oxidation within the operation of freshwater and saline-water recirculating aquaculture systems. Aquacultural Engineering, 2015, 65, 55-64.	1.4	25
21	Microtubes made of carbon nanotubes. Carbon, 2014, 68, 818-820.	5.4	23
22	A microtubular all CNT gas diffusion electrode. Electrochemistry Communications, 2014, 46, 44-47.	2.3	27
23	Tubular macro-porous titanium membranes. Journal of Membrane Science, 2014, 461, 139-145.	4.1	36
24	Batch mode and continuous desalination of water using flowing carbon deionization (FCDI) technology. Electrochemistry Communications, 2014, 46, 152-156.	2.3	137
25	Struvite recovery from municipal-wastewater sludge centrifuge supernatant using seawater NF concentrate as a cheap Mg(II) source. Separation and Purification Technology, 2013, 108, 103-110.	3.9	152
26	A novel approach for ammonia removal from fresh-water recirculated aquaculture systems, comprising ion exchange and electrochemical regeneration. Aquacultural Engineering, 2013, 52, 27-38.	1.4	52
27	Sustainable removal of ammonia from anaerobic-lagoon swine waste effluents using an electrochemically-regenerated ion exchange process. Chemical Engineering Journal, 2013, 218, 214-222.	6.6	62
28	Revealing the mechanism of indirect ammonia electrooxidation. Electrochimica Acta, 2012, 63, 209-219.	2.6	89
29	A new approach to increasing the efficiency of low-pH Fe-electrocoagulation applications. Journal of Hazardous Materials, 2010, 183, 596-601.	6.5	25
30	H₂S_(g) Removal Using a Modified, Low-pH Liquid Redox Sulfur Recovery (LRSR) Process with Electrochemical Regeneration of the Fe Catalyst Couple. Environmental Science & Technology, 2009, 43, 8315-8319.	4.6	23
31	Accurate determination of Fe(II) concentrations in the presence of a very high soluble Fe(III) background. Applied Geochemistry, 2008, 23, 2123-2129.	1.4	26