

# Youri Gendel

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,508  
citations

279701

23  
h-index

434063

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Struvite recovery from municipal-wastewater sludge centrifuge supernatant using seawater NF concentrate as a cheap Mg(II) source. <i>Separation and Purification Technology</i> , 2013, 108, 103-110.	3.9	152
2	Batch mode and continuous desalination of water using flowing carbon deionization (FCDI) technology. <i>Electrochemistry Communications</i> , 2014, 46, 152-156.	2.3	137
3	Porous poly(benzimidazole) membrane for all vanadium redox flow battery. <i>Journal of Power Sources</i> , 2016, 312, 45-54.	4.0	135
4	Single module flow-electrode capacitive deionization for continuous water desalination. <i>Electrochemistry Communications</i> , 2015, 60, 34-37.	2.3	117
5	Tubular carbon nanotube-based gas diffusion electrode removes persistent organic pollutants by a cyclic adsorption " Electro-Fenton process. <i>Journal of Hazardous Materials</i> , 2016, 307, 1-6.	6.5	97
6	New insights into the mechanism of flow-electrode capacitive deionization. <i>Electrochemistry Communications</i> , 2017, 76, 24-28.	2.3	92
7	Revealing the mechanism of indirect ammonia electrooxidation. <i>Electrochimica Acta</i> , 2012, 63, 209-219.	2.6	89
8	Separation of divalent and monovalent ions using flow-electrode capacitive deionization with nanofiltration membranes. <i>Desalination</i> , 2018, 425, 123-129.	4.0	65
9	Chlorine-free alkaline seawater electrolysis for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6504-6514.	3.8	63
10	Sustainable removal of ammonia from anaerobic-lagoon swine waste effluents using an electrochemically-regenerated ion exchange process. <i>Chemical Engineering Journal</i> , 2013, 218, 214-222.	6.6	62
11	A novel approach for ammonia removal from fresh-water recirculated aquaculture systems, comprising ion exchange and electrochemical regeneration. <i>Aquacultural Engineering</i> , 2013, 52, 27-38.	1.4	52
12	3D-printed conductive static mixers enable all-vanadium redox flow battery using slurry electrodes. <i>Journal of Power Sources</i> , 2018, 379, 228-233.	4.0	44
13	Flow-Electrode Capacitive Deionization for Double Displacement Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3906-3912.	3.2	39
14	Tubular macro-porous titanium membranes. <i>Journal of Membrane Science</i> , 2014, 461, 139-145.	4.1	36
15	Proton-exchange membranes based on sulfonated poly(ether ether ketone)/polyaniline blends for all- and air-vanadium redox flow battery applications. <i>Journal of Energy Storage</i> , 2015, 1, 65-71.	3.9	34
16	A membrane electrode assembly for the electrochemical synthesis of hydrocarbons from CO <sub>2</sub> (g) and H <sub>2</sub> O(g). <i>Electrochemistry Communications</i> , 2015, 50, 64-68.	2.3	32
17	A microtubular all CNT gas diffusion electrode. <i>Electrochemistry Communications</i> , 2014, 46, 44-47.	2.3	27
18	Treatment of acidic wastewater via fluoride ions removal by SiO <sub>2</sub> particles followed by phosphate ions recovery using flow-electrode capacitive deionization. <i>Chemical Engineering Journal</i> , 2020, 400, 125892.	6.6	27

#	ARTICLE	IF	CITATIONS
19	Accurate determination of Fe(II) concentrations in the presence of a very high soluble Fe(III) background. <i>Applied Geochemistry</i> , 2008, 23, 2123-2129.	1.4	26
20	A new approach to increasing the efficiency of low-pH Fe-electrocoagulation applications. <i>Journal of Hazardous Materials</i> , 2010, 183, 596-601.	6.5	25
21	Potential applications of indirect electrochemical ammonia oxidation within the operation of freshwater and saline-water recirculating aquaculture systems. <i>Aquacultural Engineering</i> , 2015, 65, 55-64.	1.4	25
22	H <sub>2</sub> S(g) Removal Using a Modified, Low-pH Liquid Redox Sulfur Recovery (LRSR) Process with Electrochemical Regeneration of the Fe Catalyst Couple. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8315-8319.	4.6	23
23	Microtubes made of carbon nanotubes. <i>Carbon</i> , 2014, 68, 818-820.	5.4	23
24	Ion transport and selectivity in thin film composite membranes in pressure-driven and electrochemical processes. <i>Journal of Membrane Science</i> , 2019, 584, 46-55.	4.1	20
25	Biochar-Assisted Iron-Mediated Water Electrolysis Process for Hydrogen Production. <i>ACS Omega</i> , 2020, 5, 31908-31917.	1.6	15
26	Separation of ions from water and wastewater using micro-scale capacitive-faradaic fuel cells (CFFCs), powered by H <sub>2</sub> (g) and air. <i>Separation and Purification Technology</i> , 2020, 253, 117494.	3.9	12
27	Proof of concept of a new technology for prolonged high-density live shellfish transportation: Brown crab as a case study. <i>Food Control</i> , 2020, 114, 107239.	2.8	12
28	The working mechanisms of low molecular weight polynaphthalene sulfonate superplasticizers. <i>Construction and Building Materials</i> , 2020, 240, 117891.	3.2	10
29	Separation and hydrogenation of nitrate ions by micro-scale capacitive-faradaic fuel cells (CFFCs). <i>Electrochemistry Communications</i> , 2020, 120, 106831.	2.3	8
30	Nitrate hydrogenation by microtubular CNT-made catalytic membrane contactor. <i>Chemical Engineering Journal</i> , 2020, 401, 126142.	6.6	6
31	On-board zero-discharge water treatment unit for well-boats: Arctic char as a case study. <i>Journal of Applied Aquaculture</i> , 2022, 34, 953-968.	0.7	3