

CITATION REPORT

List of articles citing

High power densities created from salinity differences by combining electrode and Donnan potentials in a concentration flow cell

DOI: 10.1039/c7ee00188f

Energy and Environmental Science, 2017, 10, 1003-1012.

Source: <https://exaly.com/paper-pdf/66698802/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
47	.		
46	Low Energy Desalination Using Battery Electrode Deionization. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 444-449	11	166
45	High performance asymmetric capacitive mixing with oppositely charged carbon electrodes for energy production from salinity differences. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20374-20380	13	18
44	High performance concentration capacitors with graphene hydrogel electrodes for harvesting salinity gradient energy. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4981-4987	13	23
43	Energy-efficient electrolytic hydrogen production assisted by coupling urea oxidation with a pH-gradient concentration cell. <i>Chemical Communications</i> , 2018 , 54, 2603-2606	5.8	66
42	A thermally regenerative ammonia battery with carbon-silver electrodes for converting low-grade waste heat to electricity. <i>Journal of Power Sources</i> , 2018 , 373, 95-102	8.9	49
41	Concentration Flow Cells Based on Chloride-Ion Extraction and Insertion with Metal Chloride Electrodes for Efficient Salinity Gradient Energy Harvest. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15212-15218	8.3	5
40	Concentration Flow Cells for Efficient Salinity Gradient Energy Recovery with Nanostructured Open Framework Hexacyanoferrate Electrodes. <i>ChemistrySelect</i> , 2018 , 3, 5571-5580	1.8	15
39	Ammonium Removal from Domestic Wastewater Using Selective Battery Electrodes. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 578-583	11	53
38	Charge-Free Mixing Entropy Battery Enabled by Low-Cost Electrode Materials. <i>ACS Omega</i> , 2019 , 4, 11785-11790	9.9	11790
37	Sodium-ion concentration flow cell stacks for salinity gradient energy recovery: Power generation of series and parallel configurations. <i>Journal of Power Sources</i> , 2019 , 435, 226796	8.9	10
36	Brine management in desalination industry: From waste to resources generation. <i>Desalination</i> , 2019 , 472, 114187	10.3	68
35	Chloride-ion concentration flow cells for efficient salinity gradient energy recovery with bismuth oxychloride electrodes. <i>Electrochimica Acta</i> , 2019 , 322, 134724	6.7	11
34	Linking capacity loss and retention of nickel hexacyanoferrate to a two-site intercalation mechanism for aqueous Mg and Ca ions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20177-20188	3.6	16
33	Electro-Forward Osmosis. <i>Environmental Science & Technology</i> , 2019 , 53, 8352-8361	10.3	6
32	Reverse Electrodialysis Chemical Cell for Energy Harvesting from Controlled Acid-Base Neutralization. <i>Environmental Science & Technology</i> , 2019 , 53, 4640-4647	10.3	11
31	Carbonized peat moss electrodes for efficient salinity gradient energy recovery in a capacitive concentration flow cell. <i>Electrochimica Acta</i> , 2019 , 294, 240-248	6.7	12

30	Salinity-Gradient Power Generation with Ionized Wood Membranes. <i>Advanced Energy Materials</i> , 2020 , 10, 1902590	21.8	47
29	Membrane and Electrochemical Processes for Water Desalination: A Short Perspective and the Role of Nanotechnology. <i>Membranes</i> , 2020 , 10,	3.8	3
28	Faradaic Electrodes Open a New Era for Capacitive Deionization. <i>Advanced Science</i> , 2020 , 7, 2002213	13.6	28
27	Developments and future prospects of reverse electrodialysis for salinity gradient power generation: Influence of ion exchange membranes and electrodes. <i>Desalination</i> , 2020 , 491, 114540	10.3	37
26	Versatile surface for solid-solid/liquid-solid triboelectric nanogenerator based on fluorocarbon liquid infused surfaces. <i>Science and Technology of Advanced Materials</i> , 2020 , 21, 139-146	7.1	16
25	Electrochemical Desalination Using Intercalating Electrode Materials: A Comparison of Energy Demands. <i>Environmental Science & Technology</i> , 2020 , 54, 3653-3662	10.3	27
24	Engineering the interlayer spacing of molybdenum disulfide for efficient salinity gradient energy recovery in concentration flow cells. <i>Electrochimica Acta</i> , 2020 , 342, 136103	6.7	3
23	Surveying Manganese Oxides as Electrode Materials for Harnessing Salinity Gradient Energy. <i>Environmental Science & Technology</i> , 2020 , 54, 5746-5754	10.3	7
22	Harnessing salinity gradient energy in coastal stormwater runoff to reduce pathogen loading. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1553-1558	4.2	
21	Stepwise ammonium enrichment using selective battery electrodes. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1649-1657	4.2	3
20	Core-shell nanoparticles of Prussian blue analogues as efficient capacitive deionization electrodes for brackish water desalination. <i>Separation and Purification Technology</i> , 2021 , 266, 117899	8.3	7
19	Optimizing Electrodeposited Manganese Oxide at Carbon Cloth Electrodes for Harvesting Salinity-Gradient Energy. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 024505	3.9	2
18	Facile Designed Manganese Oxide/Biochar for Efficient Salinity Gradient Energy Recovery in Concentration Flow Cells and Influences of Mono/Multivalent Ions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19855-19863	9.5	1
17	Harvesting blue energy with carbon electrodes of asymmetric nanopore distributions. <i>Nano Energy</i> , 2021 , 82, 105766	17.1	3
16	Active Control of Irreversible Faradic Reactions to Enhance the Performance of Reverse Electrodialysis for Energy Production from Salinity Gradients. <i>Environmental Science & Technology</i> , 2021 , 55, 11388-11396	10.3	1
15	Review Technologies and Materials for Water Salinity Gradient Energy Harvesting. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 090505	3.9	1
14	Performance and lifetime of intercalative water deionization cells for mono- and divalent ion removal. <i>Desalination</i> , 2021 , 517, 115218	10.3	0
13	High energy recovery from salinity gradients in a concentration flow cell enhanced by bioelectrochemical currents. <i>Chemical Engineering Journal</i> , 2021 , 426, 130826	14.7	

12	Clarification of mechanisms of protonic photovoltaic action initiated by photoexcitation of strong photoacids covalently bound to hydrated Nafion cation-exchange membranes wetted by aqueous electrolytes. <i>Energy and Environmental Science</i> , 2021 , 14, 4961-4978	35.4	1
11	Salinity Gradient Power. 2021 ,		
10	Tandem Osmotic Engine Based on Hydrogel Particles with Antipolyelectrolyte and Polyelectrolyte Effect Fuelled by Both Salinity Gradient Modes.. <i>Gels</i> , 2021 , 7,	4.2	
9	Bipolar membrane-assisted reverse electro dialysis for high power density energy conversion via acid-base neutralization. <i>Journal of Membrane Science</i> , 2022 , 647, 120288	9.6	3
8	Polymer-based membranes for promoting osmotic energy conversion. <i>Giant</i> , 2022 , 10, 100094	5.6	3
7	Electrochemical cell recharging by solvent separation and transfer processes.. <i>Scientific Reports</i> , 2022 , 12, 3739	4.9	0
6	Seawater battery desalination with sodium-intercalation cathode for hypersaline water treatment. <i>Desalination</i> , 2022 , 531, 115713	10.3	0
5	Principles and Materials of Mixing Entropy Battery and Capacitor for Future Harvesting Salinity Gradient Energy. <i>ACS Applied Energy Materials</i> ,	6.1	0
4	Electrochemical Methods for Water Purification, Ion Separations, and Energy Conversion. 2022 , 122, 13547-13635		8
3	A Charge-free and Membrane-free Hybrid Capacitive Mixing System for Salinity Gradient Energy Harvesting.		0
2	Power-free bipolar membrane electro dialysis for acid-alkali production in river estuaries. 2023 , 273, 118643		0
1	Electrocapacitive Deionization: Mechanisms, Electrodes, and Cell Designs. 2213578		0