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From non-renewable energy to renewable by harvesting salinity gradient power by reverse electro dialysis: A review

DOI: 10.1002/er.6062

International Journal of Energy Research, 2021, 45, 3495-3522

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Version: 2024-04-27

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26	Nanofluidic osmotic power generators - advanced nanoporous membranes and nanochannels for blue energy harvesting. <i>Chemical Science</i> , 2021 , 12, 12874-12910	9.4	10
25	Comparative Analysis of Conventional and Emerging Technologies for Seawater Desalination: Northern Chile as A Case Study. <i>Membranes</i> , 2021 , 11,	3.8	6
24	Use of the Microheterogeneous Model to Assess the Applicability of Ion-Exchange Membranes in the Process of Generating Electricity from a Concentration Gradient. <i>Membranes</i> , 2021 , 11,	3.8	3
23	Chemical and Energy Recovery Alternatives in SWRO Desalination through Electro-Membrane Technologies. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8100	2.6	1
22	Experimental study on salinity gradient energy recovery from desalination seawater based on RED. <i>Energy Conversion and Management</i> , 2021 , 244, 114475	10.6	7
21	Improvement in the Power Output of a Reverse Electrodialysis System by the Addition of Poly(sodium 4-styrenesulfonate). <i>Electrochemistry</i> , 2021 , 89, 467-471	1.2	0
20	Coupling of electromembrane processes with reverse osmosis for seawater desalination: Pilot plant demonstration and testing. <i>Desalination</i> , 2022 , 526, 115541	10.3	0
19	Effect of biodiesel-dimethyl carbonate blends on engine performance, combustion and emission characteristics. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 5111-5121	6.1	1
18	Design of Artificial Intelligence-Based Hybrid MPPT Controllers for Partially Shaded Solar PV System with Non-isolated Boost Converter. <i>Algorithms for Intelligent Systems</i> , 2022 , 353-363	0.5	0
17	An alternative platform of solid-state hydrides with polymers as composite/encapsulation for hydrogen storage applications: Effects in intermetallic and complex hydrides. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	0
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15	Power production from seawater and discharge brine of thermal desalination units by reverse electrodialysis. <i>Applied Energy</i> , 2022 , 314, 118977	10.7	2
14	Sustainable membranes with FNMs for energy generation and fuel cells. 2022 , 245-274		
13	Optimum recovery of saline gradient power using reversal electrodialysis: Influence of the stack components. <i>Journal of Water Process Engineering</i> , 2022 , 102816	6.7	1
12	Sustainable energy harvesting and on-site disinfection of natural seawater using reverse electrodialysis. <i>Water Research</i> , 2022 , 118681	12.5	1
11	A fast and accurate sine-cosine MPPT algorithm under partial shading with implementation using arduino board. <i>Cleaner Engineering and Technology</i> , 2022 , 100535	2.7	1
10	An artificial neural network-based optimization of reverse electrodialysis power generating cells using CFD and genetic algorithm. <i>International Journal of Energy Research</i> ,	4.5	

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