

Emerging electrochemical and membrane-based systems for generating electricity

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Low-Grade Waste Heat Recovery via an Osmotic Heat Engine by Using a Freestanding Graphene Oxide Membrane. ACS Omega, 2018, 3, 15501-15509.	3.5	12
2	An Adsorption Reverse Electrodialysis system for the generation of electricity from low-grade heat. Applied Energy, 2018, 231, 222-234.	10.1	40
3	Temperature Dependence of the Pore Structure in Polyvinylidene Fluoride (PVDF)/Graphene Composite Membrane Probed by Electrochemical Impedance Spectroscopy. Polymers, 2018, 10, 1123.	4.5	15
4	Temperature and Pressure Effects on the Separation Efficiency and Desorption Kinetics in the TMA-CO ₂ -H ₂ O System. Industrial & Engineering Chemistry Research, 2018, 57, 14767-14773.	3.7	4
5	Implementation of fed-batch strategies for vitamin K (menaquinone-7) production by Bacillus subtilis natto in biofilm reactors. Applied Microbiology and Biotechnology, 2018, 102, 9147-9157.	3.6	36
6	Skin-Inspired Low-Grade Heat Energy Harvesting Using Directed Ionic Flow through Conical Nanochannels. Advanced Energy Materials, 2018, 8, 1800459.	19.5	47
7	<i>Vitamin K2 (Menaquinone-7) production by Bacillus subtilis natto by using a glucose-based medium in biofilm reactors</i>, 2018, , .		1
8	Thermoelectricity and Thermodiffusion in Magnetic Nanofluids: Entropic Analysis. Entropy, 2018, 20, 405.	2.2	21
9	Engineering the Electrochemical Temperature Coefficient for Efficient Low-Grade Heat Harvesting. Advanced Functional Materials, 2018, 28, 1803129.	14.9	64
10	Flexible Quasi-Solid State Ionogels with Remarkable Seebeck Coefficient and High Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1901085.	19.5	199
11	Powerful Thermogalvanic Cells Based on a Reversible Hydrogen Electrode and Gas-Containing Electrolytes. ACS Energy Letters, 2019, 4, 1810-1815.	17.4	28
12	Sirolimus therapy for kaposiform hemangioendothelioma with long-term follow-up. Journal of Dermatology, 2019, 46, 956-961.	1.2	32
13	A Review of Flexible Processes and Operations. Production and Operations Management, 2021, 30, 1804-1824.	3.8	17
14	Palladium-Catalyzed Allylic Alkylation of Aldimine Esters with Vinyl-Cyclopropanes to Yield β,β -Disubstituted α -Amino Acid Derivatives. Advanced Synthesis and Catalysis, 2019, 361, 5105-5111.	4.3	10
15	Analysis and Optimization of Thermally-Regenerative Ammonia-Based Flow Battery Based on a 3-D Model. Journal of the Electrochemical Society, 2019, 166, A2814-A2825.	2.9	14
16	Controllable fabrication of β -Ag ₂ WO ₄ nanorod-clusters with superior simulated sunlight photocatalytic performance. Inorganic Chemistry Frontiers, 2019, 6, 209-219.	6.0	33
17	A bimetallic thermally regenerative ammonia-based battery for high power density and efficiently harvesting low-grade thermal energy. Journal of Materials Chemistry A, 2019, 7, 5991-6000.	10.3	56
18	Low-temperature heat utilization with vapor pressure-driven osmosis: Impact of membrane properties on mass and heat transfer. Journal of Membrane Science, 2019, 588, 117181.	8.2	10

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20	Cellulose ionic conductors with high differential thermal voltage for low-grade heat harvesting. Nature Materials, 2019, 18, 608-613.	27.5	343
21	Copper Foam Electrodes for Increased Power Generation in Thermally Regenerative Ammonia-Based Batteries for Low-Grade Waste Heat Recovery. Industrial & Engineering Chemistry Research, 2019, 58, 7408-7415.	3.7	32
22	A bimetallic thermally-regenerative ammonia-based flow battery for low-grade waste heat recovery. Journal of Power Sources, 2019, 424, 184-192.	7.8	59
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33	Performance of a thermally regenerative ammonia-based flow battery with 3D porous electrodes: Effect of reactor and electrode design. Electrochimica Acta, 2020, 331, 135442.	5.2	27
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43	Nanoscale Ion Regulation in Woodâ€Based Structures and Their Device Applications. Advanced Materials, 2021, 33, e2002890.	21.0	75
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