

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.	1.6	12
2	An Adsorption Reverse Electrodialysis system for the generation of electricity from low-grade heat. Applied Energy, 2018, 231, 222-234.	5.1	40
3	Temperature Dependence of the Pore Structure in Polyvinylidene Fluoride (PVDF)/Graphene Composite Membrane Probed by Electrochemical Impedance Spectroscopy. Polymers, 2018, 10, 1123.	2.0	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.	1.8	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.	1.7	36
6	Skin-Inspired Low-Grade Heat Energy Harvesting Using Directed Ionic Flow through Conical Nanochannels. Advanced Energy Materials, 2018, 8, 1800459.	10.2	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.	1.1	21
9	Engineering the Electrochemical Temperature Coefficient for Efficient Low-Grade Heat Harvesting. Advanced Functional Materials, 2018, 28, 1803129.	7.8	64
10	Flexible Quasi-Solid State Ionogels with Remarkable Seebeck Coefficient and High Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1901085.	10.2	199
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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.	1.3	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.	3.0	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.	5.2	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.	4.1	10

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20	Cellulose ionic conductors with high differential thermal voltage for low-grade heat harvesting. <i>Nature Materials</i> , 2019, 18, 608-613.	13.3	343
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22	A bimetallic thermally-regenerative ammonia-based flow battery for low-grade waste heat recovery. <i>Journal of Power Sources</i> , 2019, 424, 184-192.	4.0	59
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