

A half-wave rectified alternating current electrochemical from seawater

Nature Energy

2,

DOI: [10.1038/nenergy.2017.7](https://doi.org/10.1038/nenergy.2017.7)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Uranium extraction: Fuel from seawater. <i>Nature Energy</i> , 2017, 2, .	19.8	74
2	Synthesis of a poly(amidoxime-hydroxamic acid) cellulose derivative and its application in heavy metal ion removal. <i>RSC Advances</i> , 2017, 7, 27787-27795.	1.7	37
3	Synthesis of Amidoxime-Grafted Activated Carbon Fibers for Efficient Recovery of Uranium(VI) from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11936-11947.	1.8	77
4	Electrosorption at functional interfaces: from molecular-level interactions to electrochemical cell design. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23570-23584.	1.3	71
5	Origin of the unusually strong and selective binding of vanadium by polyamidoximes in seawater. <i>Nature Communications</i> , 2017, 8, 1560.	5.8	110
6	Materials for the Recovery of Uranium from Seawater. <i>Chemical Reviews</i> , 2017, 117, 13935-14013.	23.0	639
7	Bio-inspired nano-traps for uranium extraction from seawater and recovery from nuclear waste. <i>Nature Communications</i> , 2018, 9, 1644.	5.8	300
8	Rationally designed core-shell and yolk-shell magnetic titanate nanosheets for efficient U(VI) adsorption performance. <i>Environmental Pollution</i> , 2018, 238, 725-738.	3.7	71
9	Covalent Organic Frameworks as a Decorating Platform for Utilization and Affinity Enhancement of Chelating Sites for Radionuclide Sequestration. <i>Advanced Materials</i> , 2018, 30, e1705479.	11.1	398
10	Regeneration of activated carbon air-cathodes by half-wave rectified alternating fields in microbial fuel cells. <i>Applied Energy</i> , 2018, 219, 199-206.	5.1	37
11	High-Affinity Detection and Capture of Heavy Metal Contaminants using Block Polymer Composite Membranes. <i>ACS Central Science</i> , 2018, 4, 1697-1707.	5.3	56
12	Significantly Enhanced Uranium Extraction from Seawater with Mass Produced Fully Amidoximated Nanofiber Adsorbent. <i>Advanced Energy Materials</i> , 2018, 8, 1802607.	10.2	219
13	Emerging investigators series: prospects and challenges for high-pressure reverse osmosis in minimizing concentrated waste streams. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 894-908.	1.2	32
14	Highly Efficient Recovery of Uranium from Seawater Using an Electrochemical Approach. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8078-8084.	1.8	53
15	Adsorption of U(VI) from aqueous solution by magnetic core-shell Fe ₃ O ₄ @PDA@TiO ₂ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 613-624.	0.7	31
16	Investigation of uranium (VI) adsorption by poly(dopamine) functionalized waste paper derived carbon. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 266-273.	2.7	31
17	Polypyrrole modified Fe ⁰ -loaded graphene oxide for the enrichment of uranium(^{VI}) from simulated seawater. <i>Dalton Transactions</i> , 2018, 47, 12984-12992.	1.6	20
18	Electrocatalytic valorisation of biomass derived chemicals. <i>Catalysis Science and Technology</i> , 2018, 8, 3216-3232.	2.1	105

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19	Design Strategies to Enhance Amidoxime Chelators for Uranium Recovery. ACS Applied Materials & Interfaces, 2019, 11, 30919-30926.	4.0	91
20	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. Angewandte Chemie - International Edition, 2019, 58, 14979-14985.	7.2	168
21	A Molecular Coordination Template Strategy for Designing Selective Porous Aromatic Framework Materials for Uranyl Capture. ACS Central Science, 2019, 5, 1432-1439.	5.3	86
22	Ultrafast Recovery of Uranium from Seawater by <i>Bacillus velezensis</i> Strain UUS-1 with Innate Anti-Biofouling Activity. Advanced Science, 2019, 6, 1900961.	5.6	77
23	Ultrafast and Highly Selective Uranium Extraction from Seawater by Hydrogel-Like Spidroin-Based Protein Fiber. Angewandte Chemie, 2019, 131, 11911-11916.	1.6	38
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25	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. Angewandte Chemie, 2019, 131, 15121-15127.	1.6	39
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38	Structural and computational characterization of a bridging zwitterionic-amidoxime uranyl complex. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1038-1043.	2.3	7
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49	Efficient regeneration of activated carbon electrode by half-wave rectified alternating fields in capacitive deionization system. <i>Electrochimica Acta</i> , 2019, 298, 372-378.	2.6	11
50	Rational Design of Porous Nanofiber Adsorbent by Blow-Spinning with Ultrahigh Uranium Recovery Capacity from Seawater. <i>Advanced Functional Materials</i> , 2019, 29, 1805380.	7.8	180
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59	Photoinduced Multiple Effects to Enhance Uranium Extraction from Natural Seawater by Black Phosphorus Nanosheets. <i>Angewandte Chemie</i> , 2020, 132, 1236-1243.	1.6	12
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109	In Situ Synthesis of Uranyl-Imprinted Nanocage for Selective Uranium Recovery from Seawater. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
110	Structure and Potential-Dependent Selectivity in Redox-Metallopolymers: Electrochemically Mediated Multicomponent Metal Separations. <i>Advanced Functional Materials</i> , 2021, 31, 2009307.	7.8	30
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141	Diamidoximated cellulosic bioadsorbents from hemp stalks for elimination of uranium (VI) and textile waste in aqueous systems. <i>Journal of Hazardous Materials</i> , 2021, 417, 126060.	6.5	31
142	Constructing Uranyl-Specific Nanofluidic Channels for Unipolar Ionic Transport to Realize Ultrafast Uranium Extraction. <i>Journal of the American Chemical Society</i> , 2021, 143, 14523-14529.	6.6	78
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