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Performance Recovery in Degraded Carbon-Based Electrodes for Capacitive Deionization

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Environmental Science & Technology, 2020, 54, 1848-18

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#	Paper	IF	Citations
16	A confinement strategy to in-situ prepare a peanut-like N-doped, C-wrapped TiO ₂ electrode with an enhanced desalination capacity and rate for capacitive deionization. <i>Nano Research</i> , 2021 , 14, 684-691 ¹⁰		11
15	3D hierarchical porous N-doped carbon quantum dots/vanadium nitride hybrid microflowers as a superior electrode material toward high-performance asymmetric capacitive deionization. <i>Environmental Science: Nano</i> , 2021 , 8, 2059-2068	7.1	2
14	Capacitive Removal of Heavy Metal Ions from Wastewater an Electro-Adsorption and Electro-Reaction Coupling Process. <i>Environmental Science & Technology</i> , 2021 , 55, 3333-3340	10.3	40
13	Selective Capacitive Removal of Heavy Metal Ions from Wastewater over Lewis Base Sites of S-Doped Fe-N-C Cathodes an Electro-Adsorption Process. <i>Environmental Science & Technology</i> , 2021 , 55, 7665-7673	10.3	16
12	Synchronous removal of tetracycline and water hardness ions by capacitive deionization. <i>Journal of Cleaner Production</i> , 2021 , 316, 128251	10.3	2
11	Novel Inorganic Integrated Membrane Electrodes for Membrane Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46537-46548	9.5	1
10	Capacitive-faradaic fuel cells (CFFCs) for selective separation of copper(II) ions from water and wastewater. <i>Chemical Engineering Journal</i> , 2021 , 421, 129950	14.7	2
9	Exceptional capacitive deionization desalination performance of hollow bowl-like carbon derived from MOFs in brackish water. <i>Separation and Purification Technology</i> , 2022 , 278, 119550	8.3	2
8	Converting mesoporous polydopamine coated MIL-125 (Ti) to a core-shell heterostructure for efficient water desalination. <i>Environmental Science: Nano</i> ,	7.1	0
7	Forward-Looking Roadmaps for Long-Term Continuous Water Quality Monitoring: Bottlenecks, Innovations, and Prospects in a Critical Review.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	3
6	Tailoring interlayer spacing in MXene cathodes to boost the desalination performance of hybrid capacitive deionization systems. <i>Nano Research</i> ,	10	1
5	Electrochemical Methods for Water Purification, Ion Separations, and Energy Conversion. 2022 , 122, 13547-13635		8
4	Advances and perspectives in integrated membrane capacitive deionization for water desalination. 2022 , 542, 116043		1
3	Integration of pore structure modulation and B, N co-doping for enhanced capacitance deionization of biomass-derived carbon. 2023 ,		0
2	Stop-flow discharge operation aggravates spacer scaling in CDI treating brackish hard water. 2023 , 552, 116422		0
1	Interlayer Structure and Chemistry Engineering of MXene-Based Anode for Effective Capture of Chloride Anions in Asymmetric Capacitive Deionization. 2023 , 15, 16266-16276		0