# Julio J Lado

## List of Publications by Year in descending order



| | | | |
|---|---|---|---|
| 24 papers | 842 citations | 471477 17 h-index | 642715 23 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 684 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-performance activated carbon from polyaniline for capacitive deionization. Carbon, 2017, 123, 318-333. | 10.3 | 97 |
| 2 | Optimizing the Energy Efficiency of Capacitive Deionization Reactors Working under Real-World Conditions. Environmental Science & Technology, 2013, 47, 11866-11872. | 10.0 | 85 |
| 3 | Evaluation of operational parameters for a capacitive deionization reactor employing asymmetric electrodes. Separation and Purification Technology, 2014, 133, 236-245. | 7.9 | 63 |
| 4 | Interconnected metal oxide CNT fibre hybrid networks for current collector-free asymmetric capacitive deionization. Journal of Materials Chemistry A, 2018, 6, 10898-10908. | 10.3 | 53 |
| 5 | Removal of nitrate by asymmetric capacitive deionization. Separation and Purification Technology, 2017, 183, 145-152. | 7.9 | 50 |
| 6 | Study of sugar cane bagasse fly ash as electrode material for capacitive deionization. Journal of Analytical and Applied Pyrolysis, 2016, 120, 389-398. | 5.5 | 47 |
| 7 | Sugarcane Biowaste-Derived Biochars as Capacitive Deionization Electrodes for Brackish Water Desalination and Water-Softening Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 18992-19004. | 6.7 | 46 |
| 8 | Carbon fiber sheets coated with thin-films of SiO2 and Î³-Al2O3 as electrodes in capacitive deionization: Relationship between properties of the oxide films and electrode performance. Electrochimica Acta, 2013, 112, 763-773. | 5.2 | 45 |
| 9 | Enhanced capacitive deionization desalination provided by chemical activation of sugar cane bagasse fly ash electrodes. Journal of Analytical and Applied Pyrolysis, 2017, 126, 143-153. | 5.5 | 42 |
| 10 | Effect of electrode properties and operational parameters on capacitive deionization using low-cost commercial carbons. Separation and Purification Technology, 2016, 158, 39-52. | 7.9 | 41 |
| 11 | Graphite felt 3D framework composites as an easy to scale capacitive deionization electrode for brackish water desalination. Chemical Engineering Journal, 2020, 392, 123698. | 12.7 | 40 |
| 12 | Asymmetric Capacitive Deionization Utilizing Low Surface Area Carbon Electrodes Coated with Nanoporous Thin-Films of Al<sub>2</sub>O<sub>3</sub>and SiO<sub>2</sub>. Journal of the Electrochemical Society, 2013, 160, E71-E78. | 2.9 | 38 |
| 13 | Continuous cycling of an asymmetric capacitive deionization system: An evaluation of the electrode performance and stability. Journal of Environmental Chemical Engineering, 2015, 3, 2358-2367. | 6.7 | 36 |
| 14 | Influence of Metal Oxide Coatings, Carbon Materials and Potentials on Ion Removal in Capacitive Deionization. Journal of the Electrochemical Society, 2018, 165, E148-E161. | 2.9 | 27 |
| 15 | Low Surface Area Carbon Fiber Electrodes Coated with Nanoporous Thin-Films of Î³â€“Al<sub>2</sub>O<sub>3</sub>and SiO<sub>2</sub>: Relationship between Coating Conditions, Microstructure and Double Layer Capacitance. Journal of the Electrochemical Society, 2012, 159, A1374-A1382. | 2.9 | 25 |
| 16 | Performance analysis of a capacitive deionization stack for brackish water desalination. Desalination, 2021, 501, 114912. | 8.2 | 24 |
| 17 | Maximizing Volumetric Removal Capacity in Capacitive Deionization by Adjusting Electrode Thickness and Charging Mode. Journal of the Electrochemical Society, 2018, 165, E294-E302. | 2.9 | 22 |
| 18 | Influence of Metal Oxide Coatings on the Microstructural and Electrochemical Properties of Different Carbon Materials. Journal of the Electrochemical Society, 2016, 163, A2733-A2744. | 2.9 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Low-energy consumption, free-form capacitive deionization through nanostructured networks. Carbon, 2021, 176, 390-399. | 10.3 | 15 |
| 20 | Understanding capacitive deionization performance by comparing its electrical response with an electrochemical supercapacitor: Strategies to boost round-trip efficiency. Electrochimica Acta, 2020, 330, 135216. | 5.2 | 9 |
| 21 | Strategies to boost capacitive deionization performance of 3D electrodes. Separation and Purification Technology, 2021, 273, 118977. | 7.9 | 9 |
| 22 | A successful transition from a vanadium redox flow battery stack to an energy efficient electrochemical desalination module. Journal of Environmental Chemical Engineering, 2021, 9, 106875. | 6.7 | 6 |
| 23 | Regenerative electrochemical ion pumping cell based on semi-solid electrodes for sustainable Li recovery. Desalination, 2022, 533, 115764. | 8.2 | 6 |
| 24 | Singular Applications of Capacitive Deionization: Reduction of the Brine Volume from Brackish Water Reverse Osmosis Plants. Advances in Science, Technology and Innovation, 2020, , 429-431. | 0.4 | 0 |