

Maria Arnaiz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pre-lithiation Strategies for Lithium Ion Capacitors: Past, Present, and Future. Batteries and Supercaps, 2021, 4, 733-748.	4.7	36
2	Unraveling the Technology behind the Frontrunner LIC ULTIMO to Serve as a Guideline for Optimum Lithium-ion Capacitor Design, Assembly, and Characterization. Advanced Energy Materials, 2021, 11, 2100912.	19.5	18
3	Pre-lithiated TiSb ₂ alloy-based lithium-ion capacitor exceeding 20000 cycles and standing for more than 1000 hours of float time. Journal of Power Sources, 2021, 515, 230633.	7.8	4
4	Development of a Li-Ion Capacitor Pouch Cell Prototype by Means of a Low-Cost, Air-Stable, Solution Processable Fabrication Method. Journal of the Electrochemical Society, 2021, 168, 110544.	2.9	8
5	A transversal low-cost pre-metallation strategy enabling ultrafast and stable metal ion capacitor technologies. Energy and Environmental Science, 2020, 13, 2441-2449.	30.8	67
6	Graphene-coffee waste derived carbon composites as electrodes for optimized lithium ion capacitors. Carbon, 2020, 162, 273-282.	10.3	68
7	Aprotic and Protic Ionic Liquids Combined with Olive Pits Derived Hard Carbon for Potassium-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3504-A3510.	2.9	21
8	Graphene as Vehicle for Ultrafast Lithium Ion Capacitor Development Based on Recycled Olive Pit Derived Carbons. Journal of the Electrochemical Society, 2019, 166, A2840-A2848.	2.9	11
9	On the use of 3-cyanopropionic acid methyl ester as alternative solvent for high voltage dual carbon lithium ion capacitors. Journal of Power Sources, 2019, 434, 226757.	7.8	13
10	Furfuryl alcohol derived high-end carbons for ultrafast dual carbon lithium ion capacitors. Electrochimica Acta, 2019, 304, 437-446.	5.2	34
11	Novel Lithium-ion Capacitor Based on TiSb ₂ as Negative Electrode: The Role of Mass Ratio towards High Energy and Power Densities and Long Cyclability. Batteries and Supercaps, 2019, 2, 153-159.	4.7	12
12	Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithium-ion and Sodium-ion Batteries. Batteries and Supercaps, 2018, 1, 204-208.	4.7	19
13	High Performance Titanium Antimonide TiSb ₂ Alloy for Na-Ion Batteries and Capacitors. Chemistry of Materials, 2018, 30, 8155-8163.	6.7	36
14	Reduced graphene oxide decorated with SnO ₂ nanoparticles as negative electrode for lithium ion capacitors. Electrochimica Acta, 2018, 284, 542-550.	5.2	73
15	Lithium and sodium ion capacitors with high energy and power densities based on carbons from recycled olive pits. Journal of Power Sources, 2017, 359, 17-26.	7.8	133
16	Graphene-based lithium ion capacitor with high gravimetric energy and power densities. Journal of Power Sources, 2017, 363, 422-427.	7.8	49