# Maria Arnaiz

List of Publications by Year
in descending order



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|---|---|---|---|
| 16 papers | 602 citations | 759233 12 h-index | 940533 16 g-index |
| 16 all docs | 16 docs citations | 16 times ranked | 838 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Reduced graphene oxide decorated with SnO2 nanoparticles as negative electrode for lithium ion capacitors. Electrochimica Acta, 2018, 284, 542-550. | 5.2 | 73 |
| 3 | Graphene-coffee waste derived carbon composites as electrodes for optimized lithium ion capacitors. Carbon, 2020, 162, 273-282. | 10.3 | 68 |
| 4 | 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 |
| 5 | Graphene-based lithium ion capacitor with high gravimetric energy and power densities. Journal of Power Sources, 2017, 363, 422-427. | 7.8 | 49 |
| 6 | High Performance Titanium Antimonide TiSb<sub>2</sub> Alloy for Na-Ion Batteries and Capacitors. Chemistry of Materials, 2018, 30, 8155-8163. | 6.7 | 36 |
| 7 | Preâ€Lithiation Strategies for Lithium Ion Capacitors: Past, Present, and Future. Batteries and Supercaps, 2021, 4, 733-748. | 4.7 | 36 |
| 8 | Furfuryl alcohol derived high-end carbons for ultrafast dual carbon lithium ion capacitors. Electrochimica Acta, 2019, 304, 437-446. | 5.2 | 34 |
| 9 | 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 |
| 10 | Protic and Aprotic Ionic Liquids in Combination with Hard Carbon for Lithiumâ€Ion and Sodiumâ€Ion Batteries. Batteries and Supercaps, 2018, 1, 204-208. | 4.7 | 19 |
| 11 | Unraveling the Technology behind the Frontrunner LIC ULTIMO to Serve as a Guideline for Optimum Lithiumâ€Ion Capacitor Design, Assembly, and Characterization. Advanced Energy Materials, 2021, 11, 2100912. | 19.5 | 18 |
| 12 | 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 |
| 13 | Novel Lithiumâ€Ion Capacitor Based on TiSb<sub>2</sub> as Negative Electrode: The Role of Mass Ratio towards High Energyâ€toâ€Power Densities and Long Cyclability. Batteries and Supercaps, 2019, 2, 153-159. | 4.7 | 12 |
| 14 | 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 |
| 15 | 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 |
| 16 | Pre-lithiated TiSb2 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 |