

Encarnacion Raymundo-Piñero

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,314
citations

361413

20
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

5143
citing authors

#	ARTICLE	IF	CITATIONS
1	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , 2020, 19, 894-899.	27.5	870
2	Tuning Carbon Materials for Supercapacitors by Direct Pyrolysis of Seaweeds. <i>Advanced Functional Materials</i> , 2009, 19, 1032-1039.	14.9	566
3	Exploring the large voltage range of carbon/carbon supercapacitors in aqueous lithium sulfate electrolyte. <i>Energy and Environmental Science</i> , 2012, 5, 9611.	30.8	297
4	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Toxicological Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1698-1705.	3.3	246
5	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Physicochemical Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1690-1697.	3.3	210
6	Exploring electrolyte organization in supercapacitor electrodes with solid-state NMR. <i>Nature Materials</i> , 2013, 12, 351-358.	27.5	210
7	Vanadium nitride/carbon nanotube nanocomposites as electrodes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 13268.	6.7	167
8	Unraveling the Charge Storage Mechanism of $\text{Ti}_3\text{C}_2\text{T}_i\text{x}$ MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020, 5, 2873-2880.	17.4	129
9	Grape seed carbons for studying the influence of texture on supercapacitor behaviour in aqueous electrolytes. <i>Carbon</i> , 2014, 71, 127-138.	10.3	115
10	Carbon Nanotubes as Nanotexturing Agents for High Power Supercapacitors Based on Seaweed Carbons. <i>ChemSusChem</i> , 2011, 4, 943-949.	6.8	79
11	Thermodynamic properties of benzene adsorbed in activated carbons and multi-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2006, 421, 409-414.	2.6	59
12	Textural and electrochemical properties of carbon replica obtained from styryl organo-modified layered double hydroxide. <i>Journal of Materials Chemistry</i> , 2006, 16, 2074-2081.	6.7	54
13	Confinement of Symmetric Tetraalkylammonium Ions in Nanoporous Carbon Electrodes of Electric Double-Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13443-13449.	3.1	49
14	Solid Fluoride Electrolytes and Their Composite with Carbon: Issues and Challenges for Rechargeable Solid State Fluoride-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24962-24970.	3.1	40
15	Influence of Graphite Characteristics on the Electrochemical Performance in Alkylcarbonate LiTFSI Electrolyte for Li-Ion Capacitors and Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1907-A1915.	2.9	34
16	Microporous carbons finely-tuned by cyclic high-pressure low-temperature oxidation and their use in electrochemical capacitors. <i>Carbon</i> , 2012, 50, 3367-3374.	10.3	32
17	Si/C composites prepared by spray drying from cross-linked polyvinyl alcohol as Li-ion batteries anodes. <i>Electrochimica Acta</i> , 2015, 174, 361-368.	5.2	31
18	Effect of electrochemical conditions on the performance worsening of Si/C composite anodes for lithium batteries. <i>Electrochimica Acta</i> , 2010, 55, 729-736.	5.2	23

#	ARTICLE	IF	CITATIONS
19	Pulsed Electrochemical Mass Spectrometry for Operando Tracking of Interfacial Processes in Small-Time-Constant Electrochemical Devices such as Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 41224-41232.	8.0	23
20	<i>In Situ</i> Magnetic Resonance Imaging of a Complete Supercapacitor Giving Additional Insight on the Role of Nanopores. ACS Nano, 2019, 13, 12810-12815.	14.6	23
21	Laser Synthesis of Hard Carbon for Anodes in Na-ion Battery. Advanced Materials Technologies, 2017, 2, 1600227.	5.8	21
22	Suggested improvements in the parameters used for describing the low relative pressure region of the water vapour isotherms of activated carbons. Carbon, 2013, 60, 556-558.	10.3	16
23	A solid-state NMR study of C70: A model molecule for amorphous carbons. Solid State Nuclear Magnetic Resonance, 2012, 42, 81-86.	2.3	12
24	Electrospun carbon fibers as air cathodes for aprotic Li-O ₂ battery: Towards cathode design for enhanced capacity. Electrochimica Acta, 2020, 354, 136643.	5.2	7
25	Synthesis of oxy-hydroxyfluorinated anatase nanoparticles grown on carbon nanotubes. Journal of Fluorine Chemistry, 2018, 215, 32-35.	1.7	1