

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	Electrospun carbon fibers as air cathodes for aprotic Li-O ₂ battery: Towards cathode design for enhanced capacity. <i>Electrochimica Acta</i> , 2020, 354, 136643.	5.2	7
2	Unraveling the Charge Storage Mechanism of Ti ₃ C ₂ T _x MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020, 5, 2873-2880.	17.4	129
3	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
4	<i>In Situ</i> Magnetic Resonance Imaging of a Complete Supercapacitor Giving Additional Insight on the Role of Nanopores. <i>ACS Nano</i> , 2019, 13, 12810-12815.	14.6	23
5	Synthesis of oxy-hydroxyfluorinated anatase nanoparticles grown on carbon nanotubes. <i>Journal of Fluorine Chemistry</i> , 2018, 215, 32-35.	1.7	1
6	Laser Synthesis of Hard Carbon for Anodes in Na-ion Battery. <i>Advanced Materials Technologies</i> , 2017, 2, 1600227.	5.8	21
7	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
8	Pulsed Electrochemical Mass Spectrometry for Operando Tracking of Interfacial Processes in Small-Time-Constant Electrochemical Devices such as Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41224-41232.	8.0	23
9	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
10	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
11	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
12	Suggested improvements in the parameters used for describing the low relative pressure region of the water vapour isotherms of activated carbons. <i>Carbon</i> , 2013, 60, 556-558.	10.3	16
13	Exploring electrolyte organization in supercapacitor electrodes with solid-state NMR. <i>Nature Materials</i> , 2013, 12, 351-358.	27.5	210
14	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
15	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
16	A solid-state NMR study of C70: A model molecule for amorphous carbons. <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 42, 81-86.	2.3	12
17	Vanadium nitride/carbon nanotube nanocomposites as electrodes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 13268.	6.7	167
18	Carbon Nanotubes as Nanotexturing Agents for High Power Supercapacitors Based on Seaweed Carbons. <i>ChemSusChem</i> , 2011, 4, 943-949.	6.8	79

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19	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
20	Tuning Carbon Materials for Supercapacitors by Direct Pyrolysis of Seaweeds. <i>Advanced Functional Materials</i> , 2009, 19, 1032-1039.	14.9	566
21	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
22	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
23	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
24	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
25	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