

Cristina Botas

List of Publications by Year in descending order

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29
papers

2,504
citations

279487

23
h-index

476904

29
g-index

29
all docs

29
docs citations

29
times ranked

4757
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
2	High density graphene-carbon nanosphere films for capacitive energy storage. Journal of Materials Chemistry A, 2019, 7, 6126-6133.	5.2	30
3	Graphene oxide-carbon nanotubes aerogels with high sulfur loadings suitable as binder-free cathodes for high performance lithium sulfur batteries. Journal of Power Sources, 2019, 412, 408-415.	4.0	36
4	Highly packed graphene-CNT films as electrodes for aqueous supercapacitors with high volumetric performance. Journal of Materials Chemistry A, 2018, 6, 3667-3673.	5.2	43
5	Pathways towards high performance Na ₂ batteries: tailoring graphene aerogel cathode porosity & nanostructure. Journal of Materials Chemistry A, 2018, 6, 20778-20787.	5.2	36
6	Hydrothermally reduced graphene oxide for the effective wrapping of sulfur particles showing long term stability as electrodes for Li-S batteries. Carbon, 2018, 139, 226-233.	5.4	27
7	Reduced graphene oxide decorated with SnO ₂ nanoparticles as negative electrode for lithium ion capacitors. Electrochimica Acta, 2018, 284, 542-550.	2.6	73
8	Macroporous carbon monoliths derived from phloroglucinol-sucrose resins as binder-free thick electrodes for supercapacitors. Journal of Materials Science, 2017, 52, 11191-11200.	1.7	12
9	Multimaterial 3D Printing of Graphene-Based Electrodes for Electrochemical Energy Storage Using Thermoresponsive Inks. ACS Applied Materials & Interfaces, 2017, 9, 37136-37145.	4.0	148
10	Graphene-based lithium ion capacitor with high gravimetric energy and power densities. Journal of Power Sources, 2017, 363, 422-427.	4.0	49
11	Silicon-Reduced Graphene Oxide Self-Standing Composites Suitable as Binder-Free Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28800-28808.	4.0	50
12	Sn and SnO ₂ -graphene flexible foams suitable as binder-free anodes for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 13402-13410.	5.2	91
13	Graphene-based technologies for energy applications, challenges and perspectives. 2D Materials, 2015, 2, 030204.	2.0	74
14	Comparative Study of Screen-Printed Electrodes Modified with Graphene Oxides Reduced by a Constant Current. Journal of the Electrochemical Society, 2015, 162, B282-B290.	1.3	17
15	Self-organized amorphous titania nanotubes with deposited graphene film like a new heterostructured electrode for lithium ion batteries. Journal of Power Sources, 2014, 248, 886-893.	4.0	35
16	Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. Carbon, 2013, 65, 156-164.	5.4	345
17	Raman spectroscopy for the study of reduction mechanisms and optimization of conductivity in graphene oxide thin films. Journal of Materials Chemistry C, 2013, 1, 6905.	2.7	259
18	Optimization of the size and yield of graphene oxide sheets in the exfoliation step. Carbon, 2013, 63, 576-578.	5.4	77

#	ARTICLE	IF	CITATIONS
19	Graphite oxide-based graphene materials as positive electrodes in vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2013, 241, 349-354.	4.0	57
20	Thermally reduced graphite and graphene oxides in VRFBs. <i>Nano Energy</i> , 2013, 2, 1322-1328.	8.2	37
21	Critical temperatures in the synthesis of graphene-like materials by thermal exfoliation—reduction of graphite oxide. <i>Carbon</i> , 2013, 52, 476-485.	5.4	236
22	Multivariate Characterization of Milk Fat Fractions by Gas Chromatography. <i>Food and Bioprocess Technology</i> , 2013, 6, 2651-2658.	2.6	4
23	Reconstruction of the carbon sp ² network in graphene oxide by low-temperature reaction with CO. <i>Journal of Materials Chemistry</i> , 2012, 22, 51-56.	6.7	26
24	Tailored graphene materials by chemical reduction of graphene oxides of different atomic structure. <i>RSC Advances</i> , 2012, 2, 9643.	1.7	51
25	The effect of the parent graphite on the structure of graphene oxide. <i>Carbon</i> , 2012, 50, 275-282.	5.4	188
26	Thermally reduced graphite oxide as positive electrode in Vanadium Redox Flow Batteries. <i>Carbon</i> , 2012, 50, 828-834.	5.4	129
27	Synthesis of activated carbons by chemical activation of new anthracene oil-based pitches and their optimization by response surface methodology. <i>Fuel Processing Technology</i> , 2011, 92, 1987-1992.	3.7	13
28	Development and validation of new methods for the determination of melatonin and its oxidative metabolites by high performance liquid chromatography and capillary electrophoresis, using multivariate optimization. <i>Journal of Chromatography A</i> , 2010, 1217, 1368-1374.	1.8	15
29	Optimization by Factorial Design of a Capillary Electrophoresis Method for the Chiral Resolution and Determination of Zopiclone and Its Synthesis Precursor. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 2654-2668.	0.5	13