

# Marcos Granda

## List of Publications by Year in descending order

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58  
papers

3,976  
citations

147566

31  
h-index

143772

57  
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all docs

58  
docs citations

58  
times ranked

5178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a Further Generation of High-Energy Carbon-Based Capacitors by Using Redox-Active Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1699-1701.	7.2	389
2	Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. <i>Carbon</i> , 2013, 65, 156-164.	5.4	345
3	Mechanisms of Energy Storage in Carbon-Based Supercapacitors Modified with a Quinoid Redox-Active Electrolyte. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17606-17611.	1.5	263
4	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
5	The effect of the parent graphite on the structure of graphene oxide. <i>Carbon</i> , 2012, 50, 275-282.	5.4	188
6	An approach to classification and capacitance expressions in electrochemical capacitors technology. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1084-1092.	1.3	181
7	Chemicals from Coal Coking. <i>Chemical Reviews</i> , 2014, 114, 1608-1636.	23.0	166
8	Redox-active electrolyte for carbon nanotube-based electric double layer capacitors. <i>Electrochimica Acta</i> , 2011, 56, 3401-3405.	2.6	159
9	Supercapacitor modified with methylene blue as redox active electrolyte. <i>Electrochimica Acta</i> , 2012, 83, 241-246.	2.6	148
10	Correct use of the Langmuir-Hinshelwood equation for proving the absence of a synergy effect in the photocatalytic degradation of phenol on a suspended mixture of titania and activated carbon. <i>Carbon</i> , 2013, 55, 62-69.	5.4	146
11	Thermally reduced graphite oxide as positive electrode in Vanadium Redox Flow Batteries. <i>Carbon</i> , 2012, 50, 828-834.	5.4	129
12	Graphite Felt Modified with Bismuth Nanoparticles as Negative Electrode in a Vanadium Redox Flow Battery. <i>ChemSusChem</i> , 2014, 7, 914-918.	3.6	113
13	Outstanding electrochemical performance of a graphene-modified graphite felt for vanadium redox flow battery application. <i>Journal of Power Sources</i> , 2017, 338, 155-162.	4.0	105
14	Capacitive Deionization of NaCl Solutions with Modified Activated Carbon Electrodes. <i>Energy &amp; Fuels</i> , 2010, 24, 3329-3333.	2.5	93
15	MnO <sub>2</sub> /thermally reduced graphene oxide composites for high-voltage asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2017, 240, 53-62.	2.6	82
16	Optimization of the size and yield of graphene oxide sheets in the exfoliation step. <i>Carbon</i> , 2013, 63, 576-578.	5.4	77
17	The adsorption of chromium (VI) from industrial wastewater by acid and base-activated lignocellulosic residues. <i>Journal of Hazardous Materials</i> , 2007, 144, 400-405.	6.5	67
18	CO <sub>2</sub> adsorption capacity and kinetics in nitrogen-enriched activated carbon fibers prepared by different methods. <i>Chemical Engineering Journal</i> , 2015, 281, 704-712.	6.6	63

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19	High performance activated carbon for benzene/toluene adsorption from industrial wastewater. <i>Journal of Hazardous Materials</i> , 2011, 192, 1525-1532.	6.5	58
20	Comparison between Electrochemical Capacitors Based on NaOH- and KOH-Activated Carbons. <i>Energy &amp; Fuels</i> , 2010, 24, 3422-3428.	2.5	57
21	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
22	Optimisation of the melt-spinning of anthracene oil-based pitch for isotropic carbon fibre preparation. <i>Fuel Processing Technology</i> , 2012, 93, 99-104.	3.7	45
23	Graphene anchored palladium complex as efficient and recyclable catalyst in the Heck cross-coupling reaction. <i>Journal of Molecular Catalysis A</i> , 2016, 416, 140-146.	4.8	43
24	Application of extrography for characterization of coal tar and petroleum pitches. <i>Fuel</i> , 1990, 69, 702-705.	3.4	40
25	A novel approach for the production of chemically activated carbon fibers. <i>Chemical Engineering Journal</i> , 2015, 260, 463-468.	6.6	39
26	Enhanced energy density of carbon-based supercapacitors using Cerium (III) sulphate as inorganic redox electrolyte. <i>Electrochimica Acta</i> , 2015, 168, 277-284.	2.6	38
27	Thermally reduced graphite and graphene oxides in VRFBs. <i>Nano Energy</i> , 2013, 2, 1322-1328.	8.2	37
28	New alternatives to graphite for producing graphene materials. <i>Carbon</i> , 2015, 93, 812-818.	5.4	37
29	Suitability of thermogravimetry and differential thermal analysis techniques for characterization of pitches. <i>Fuel</i> , 1992, 71, 611-617.	3.4	34
30	Carbon materials as electrodes for electrosorption of NaCl in aqueous solutions. <i>Adsorption</i> , 2011, 17, 467-471.	1.4	34
31	Cokes of different origin as precursors of graphene oxide. <i>Fuel</i> , 2016, 166, 400-403.	3.4	33
32	Preparation of Low Toxicity Pitches by Thermal Oxidative Condensation of Anthracene Oil. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8126-8132.	4.6	30
33	Characterisation and feasibility as carbon fibre precursors of isotropic pitches derived from anthracene oil. <i>Fuel</i> , 2012, 101, 9-15.	3.4	30
34	Preparation of pitch-based carbon-copper composites for electrical applications. <i>Fuel</i> , 2004, 83, 1625-1634.	3.4	29
35	Enhancing energy density of carbon-based supercapacitors using Prussian Blue modified positive electrodes. <i>Electrochimica Acta</i> , 2016, 212, 848-855.	2.6	29
36	Activated carbon fibers prepared directly from stabilized fibers for use as electrodes in supercapacitors. <i>Materials Letters</i> , 2014, 136, 214-217.	1.3	27

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37	Hybrid Catalysts Comprised of Graphene Modified with Rhodium-Based N-Heterocyclic Carbenes for Alkyne Hydrosilylation. ACS Applied Nano Materials, 2020, 3, 1640-1655.	2.4	27
38	Mass spectrometric characterization of polynuclear aromatic nitrogen compounds in coal tar pitches separated by extrography. Fuel, 1993, 72, 19-23.	3.4	26
39	Carbon Precursors from Anthracene Oil. Insight into the Reactions of Anthracene Oil with Sulfur. Energy & Fuels, 1998, 12, 949-957.	2.5	25
40	N-enriched ACF from coal-based pitch blended with urea-based resin for CO <sub>2</sub> capture. Microporous and Mesoporous Materials, 2015, 201, 10-16.	2.2	23
41	Thermal behaviour of extrographic fractions of coal tar and petroleum pitches. Fuel, 1997, 76, 179-187.	3.4	21
42	Tuning graphene properties by a multi-step thermal reduction process. Carbon, 2015, 90, 160-163.	5.4	21
43	Comparative analysis of pitches by extrography and thermal analysis techniques. Carbon, 1994, 32, 1001-1010.	5.4	20
44	Role of quinoline insoluble particles during the processing of coal tars to produce graphene materials. Fuel, 2017, 206, 99-106.	3.4	20
45	Tailoring micro-mesoporosity in activated carbon fibers to enhance SO <sub>2</sub> catalytic oxidation. Journal of Colloid and Interface Science, 2014, 428, 36-40.	5.0	18
46	The development of mesophase in coal tar and petroleum pitches characterized by extrography. Fuel, 1994, 73, 25-34.	3.4	17
47	Peculiarities of the production of graphene oxides with controlled properties from industrial coal liquids. Fuel, 2017, 203, 253-260.	3.4	16
48	Influence of the electrophoretic deposition parameters on the formation of suspended graphene-based films. Materials and Design, 2018, 160, 58-64.	3.3	15
49	A unified process for preparing mesophase and isotropic material from anthracene oil-based pitch. Fuel Processing Technology, 2011, 92, 421-427.	3.7	14
50	A multi-step exfoliation approach to maintain the lateral size of graphene oxide sheets. Carbon, 2014, 80, 830-832.	5.4	14
51	Graphene materials from microwave-derived carbon precursors. Fuel Processing Technology, 2021, 217, 106803.	3.7	13
52	Efficiency of extrography in the fractionation of coal-derived oils. Fuel, 1993, 72, 397-403.	3.4	9
53	Morphological changes in graphene materials caused by solvents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 73-79.	2.3	9
54	Influence of graphene sheet properties as supports of iridium-based N-heterocyclic carbene hybrid materials for water oxidation electrocatalysis. Journal of Organometallic Chemistry, 2020, 919, 121334.	0.8	8

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55	Optimization of a carbon-based hybrid energy storage device with cerium (III) sulfate as redox electrolyte. Journal of Power Sources, 2016, 309, 50-55.	4.0	6
56	Structural changes during pitch-based carbon granular composites carbonisation. Journal of Materials Science, 2008, 43, 906-921.	1.7	4
57	Experimental and Statistical Optimization of the Tensile Strength of Carbon Fibers from Pitches with Different Composition. Industrial & Engineering Chemistry Research, 2017, 56, 3243-3250.	1.8	3
58	Matrix-Iron Interactions in Carbon-Embedded Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 4098-4102.	0.9	0