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List of Publications by Year
in descending order

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Version: 2024-02-01

58 papers	3,976 citations	147566 31 h-index	143772 57 g-index
58 all docs	58 docs citations	58 times ranked	5178 citing authors

#	Article	IF	Citations
1	Graphene materials from microwave-derived carbon precursors. Fuel Processing Technology, 2021, 217, 106803.	3.7	13
2	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
3	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
4	Influence of the electrophoretic deposition parameters on the formation of suspended graphene-based films. Materials and Design, 2018, 160, 58-64.	3.3	15
5	Morphological changes in graphene materials caused by solvents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 73-79.	2.3	9
6	MnO2/thermally reduced graphene oxide composites for high-voltage asymmetric supercapacitors. Electrochimica Acta, 2017, 240, 53-62.	2.6	82
7	Peculiarities of the production of graphene oxides with controlled properties from industrial coal liquids. Fuel, 2017, 203, 253-260.	3.4	16
8	Role of quinoline insoluble particles during the processing of coal tars to produce graphene materials. Fuel, 2017, 206, 99-106.	3.4	20
9	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
10	Outstanding electrochemical performance of a graphene-modified graphite felt for vanadium redox flow battery application. Journal of Power Sources, 2017, 338, 155-162.	4.0	105
11	Enhancing energy density of carbon-based supercapacitors using Prussian Blue modified positive electrodes. Electrochimica Acta, 2016, 212, 848-855.	2.6	29
12	Cokes of different origin as precursors of graphene oxide. Fuel, 2016, 166, 400-403.	3.4	33
13	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
14	Graphene anchored palladium complex as efficient and recyclable catalyst in the Heck cross-coupling reaction. Journal of Molecular Catalysis A, 2016, 416, 140-146.	4.8	43
15	New alternatives to graphite for producing graphene materials. Carbon, 2015, 93, 812-818.	5.4	37
16	CO2 adsorption capacity and kinetics in nitrogen-enriched activated carbon fibers prepared by different methods. Chemical Engineering Journal, 2015, 281, 704-712.	6.6	63
17	Enhanced energy density of carbon-based supercapacitors using Cerium (III) sulphate as inorganic redox electrolyte. Electrochimica Acta, 2015, 168, 277-284.	2.6	38
18	Tuning graphene properties by a multi-step thermal reduction process. Carbon, 2015, 90, 160-163.	5.4	21

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19	An approach to classification and capacitance expressions in electrochemical capacitors technology. Physical Chemistry Chemical Physics, 2015, 17, 1084-1092.	1.3	181
20	A novel approach for the production of chemically activated carbon fibers. Chemical Engineering Journal, 2015, 260, 463-468.	6.6	39
21	N-enriched ACF from coal-based pitch blended with urea-based resin for CO2 capture. Microporous and Mesoporous Materials, 2015, 201, 10-16.	2.2	23
22	Chemicals from Coal Coking. Chemical Reviews, 2014, 114, 1608-1636.	23.0	166
23	Tailoring micro-mesoporosity in activated carbon fibers to enhance SO2 catalytic oxidation. Journal of Colloid and Interface Science, 2014, 428, 36-40.	5.0	18
24	Graphite Felt Modified with Bismuth Nanoparticles as Negative Electrode in a Vanadium Redox Flow Battery. ChemSusChem, 2014, 7, 914-918.	3.6	113
25	Activated carbon fibers prepared directly from stabilized fibers for use as electrodes in supercapacitors. Materials Letters, 2014, 136, 214-217.	1.3	27
26	A multi-step exfoliation approach to maintain the lateral size of graphene oxide sheets. Carbon, 2014, 80, 830-832.	5.4	14
27	Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. Carbon, 2013, 65, 156-164.	5.4	345
28	Optimization of the size and yield of graphene oxide sheets in the exfoliation step. Carbon, 2013, 63, 576-578.	5.4	77
29	Correct use of the Langmuirâ€“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. Carbon, 2013, 55, 62-69.	5.4	146
30	Graphite oxide-based graphene materials as positive electrodes in vanadium redox flow batteries. Journal of Power Sources, 2013, 241, 349-354.	4.0	57
31	Thermally reduced graphite and graphene oxides in VRFBs. Nano Energy, 2013, 2, 1322-1328.	8.2	37
32	Critical temperatures in the synthesis of graphene-like materials by thermal exfoliationâ€“reduction of graphite oxide. Carbon, 2013, 52, 476-485.	5.4	236
33	Characterisation and feasibility as carbon fibre precursors of isotropic pitches derived from anthracene oil. Fuel, 2012, 101, 9-15.	3.4	30
34	Supercapacitor modified with methylene blue as redox active electrolyte. Electrochimica Acta, 2012, 83, 241-246.	2.6	148
35	The effect of the parent graphite on the structure of graphene oxide. Carbon, 2012, 50, 275-282.	5.4	188
36	Thermally reduced graphite oxide as positive electrode in Vanadium Redox Flow Batteries. Carbon, 2012, 50, 828-834.	5.4	129

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37	Optimisation of the melt-spinning of anthracene oil-based pitch for isotropic carbon fibre preparation. Fuel Processing Technology, 2012, 93, 99-104.	3.7	45
38	Mechanisms of Energy Storage in Carbon-Based Supercapacitors Modified with a Quinoid Redox-Active Electrolyte. Journal of Physical Chemistry C, 2011, 115, 17606-17611.	1.5	263
39	High performance activated carbon for benzene/toluene adsorption from industrial wastewater. Journal of Hazardous Materials, 2011, 192, 1525-1532.	6.5	58
40	Carbon materials as electrodes for electrosorption of NaCl inÂaqueous solutions. Adsorption, 2011, 17, 467-471.	1.4	34
41	Towards a Further Generation of Highâ€Energy Carbonâ€Based Capacitors by Using Redoxâ€Active Electrolytes. Angewandte Chemie - International Edition, 2011, 50, 1699-1701.	7.2	389
42	Redox-active electrolyte for carbon nanotube-based electric double layer capacitors. Electrochimica Acta, 2011, 56, 3401-3405.	2.6	159
43	A unified process for preparing mesophase and isotropic material from anthracene oil-based pitch. Fuel Processing Technology, 2011, 92, 421-427.	3.7	14
44	Comparison between Electrochemical Capacitors Based on NaOH- and KOH-Activated Carbons. Energy & Fuels, 2010, 24, 3422-3428.	2.5	57
45	Capacitive Deionization of NaCl Solutions with Modified Activated Carbon Electrodes. Energy & Fuels, 2010, 24, 3329-3333.	2.5	93
46	Preparation of Low Toxicity Pitches by Thermal Oxidative Condensation of Anthracene Oil. Environmental Science & Technology, 2009, 43, 8126-8132.	4.6	30
47	Matrix-Iron Interactions in Carbon-Embedded Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 4098-4102.	0.9	0
48	Structural changes during pitch-based carbon granular composites carbonisation. Journal of Materials Science, 2008, 43, 906-921.	1.7	4
49	The adsorption of chromium (VI) from industrial wastewater by acid and base-activated lignocellulosic residues. Journal of Hazardous Materials, 2007, 144, 400-405.	6.5	67
50	Preparation of pitch-based carbonâ€“copper composites for electrical applications. Fuel, 2004, 83, 1625-1634.	3.4	29
51	Carbon Precursors from Anthracene Oil. Insight into the Reactions of Anthracene Oil with Sulfur. Energy & Fuels, 1998, 12, 949-957.	2.5	25
52	Thermal behaviour of extrographic fractions of coal tar and petroleum pitches. Fuel, 1997, 76, 179-187.	3.4	21
53	The development of mesophase in coal tar and petroleum pitches characterized by extrography. Fuel, 1994, 73, 25-34.	3.4	17
54	Comparative analysis of pitches by extrography and thermal analysis techniques. Carbon, 1994, 32, 1001-1010.	5.4	20

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55	Efficiency of extrography in the fractionation of coal-derived oils. Fuel, 1993, 72, 397-403.	3.4	9
56	Mass spectrometric characterization of polynuclear aromatic nitrogen compounds in coal tar pitches separated by extrography. Fuel, 1993, 72, 19-23.	3.4	26
57	Suitability of thermogravimetry and differential thermal analysis techniques for characterization of pitches. Fuel, 1992, 71, 611-617.	3.4	34
58	Application of extrography for characterization of coal tar and petroleum pitches. Fuel, 1990, 69, 702-705.	3.4	40