

Anna Ilnicka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Novel nitrogen-containing mesoporous carbons prepared from chitosan. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8961.	10.3	71
2	A microporous and high surface area active carbon obtained by the heat-treatment of chitosan. <i>Carbon</i> , 2012, 50, 3098-3101.	10.3	54
3	Graphene-Based Hydrogen Gas Sensors: A Review. <i>Processes</i> , 2020, 8, 633.	2.8	35
4	Synthesis of N-rich microporous carbon materials from chitosan by alkali activation using Na ₂ CO ₃ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 201, 66-71.	3.5	32
5	High surface area micro-mesoporous graphene for electrochemical applications. <i>Scientific Reports</i> , 2021, 11, 22054.	3.3	30
6	Morphologically disordered pore model for characterization of micro-mesoporous carbons. <i>Carbon</i> , 2017, 111, 358-370.	10.3	25
7	Urea treatment of nitrogen-doped carbon leads to enhanced performance for the oxygen reduction reaction. <i>Journal of Materials Research</i> , 2018, 33, 1612-1624.	2.6	24
8	The Improvement of Energy Storage Performance by Sucrose-Derived Carbon Foams via Incorporating Nitrogen Atoms. <i>Nanomaterials</i> , 2021, 11, 760.	4.1	24
9	Metal-free nitrogen-rich carbon foam derived from amino acids for the oxygen reduction reaction. <i>Journal of Materials Science</i> , 2019, 54, 14859-14871.	3.7	21
10	Green algae and gelatine derived nitrogen rich carbon as an outstanding competitor to Pt loaded carbon catalysts. <i>Scientific Reports</i> , 2021, 11, 7084.	3.3	21
11	Photosensitizing potential of tailored magnetite hybrid nanoparticles functionalized with levan and zinc (II) phthalocyanine. <i>Applied Surface Science</i> , 2020, 524, 146602.	6.1	20
12	Combined effect of nitrogen-doped functional groups and porosity of porous carbons on electrochemical performance of supercapacitors. <i>Scientific Reports</i> , 2021, 11, 18387.	3.3	20
13	The fungicidal properties of the carbon materials obtained from chitin and chitosan promoted by copper salts. <i>Materials Science and Engineering C</i> , 2015, 52, 31-36.	7.3	19
14	Highly effective three-dimensional functionalization of graphite to graphene by wet chemical exfoliation methods. <i>Adsorption</i> , 2019, 25, 631-638.	3.0	18
15	N-doped graphene foam obtained by microwave-assisted exfoliation of graphite. <i>Scientific Reports</i> , 2021, 11, 2044.	3.3	18
16	Electro-Exfoliation of Graphite to Graphene in an Aqueous Solution of Inorganic Salt and the Stabilization of Its Sponge Structure with Poly(Furfuryl Alcohol). <i>Nanomaterials</i> , 2019, 9, 971.	4.1	17
17	Manufacture of activated carbons using Egyptian wood resources and its application in oligothiophene dye adsorption. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5284-5291.	4.9	16
18	Effective Synthesis of Carbon Hybrid Materials Containing Oligothiophene Dyes. <i>Materials</i> , 2019, 12, 3354.	2.9	13

#	ARTICLE	IF	CITATIONS
19	Synthesis of N-Rich Activated Carbons from Chitosan by Chemical Activation. <i>Science of Advanced Materials</i> , 2014, 6, 290-297.	0.7	13
20	Improving the Performance of Zn-Air Batteries with N-Doped Electroexfoliated Graphene. <i>Materials</i> , 2020, 13, 2115.	2.9	13
21	Nano-Structured Carbon Matrixes Obtained from Chitin and Chitosan by a Novel Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2623-2631.	0.9	12
22	Pyrolysis of <i>Chlorella vulgaris</i> as a green chemistry method for manufacturing of nitrogen doped porous carbon materials of high application potential. <i>Materials Express</i> , 2017, 7, 25-34.	0.5	12
23	The effect of nitrogen species on the catalytic properties of N-doped graphene. <i>Scientific Reports</i> , 2021, 11, 23970.	3.3	12
24	Marine and Freshwater Feedstocks as a Precursor for Nitrogen-Containing Carbons: A Review. <i>Marine Drugs</i> , 2018, 16, 142.	4.6	11
25	Antimicrobial carbon materials incorporating copper nano-crystallites and their PLA composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	10
26	Effect of Geometrical Structure, Drying, and Synthetic Method on Aminated Chitosan-Coated Magnetic Nanoparticles Utility for HSA Effective Immobilization. <i>Molecules</i> , 2019, 24, 1925.	3.8	10
27	Discussion Remarks on the Role of Wood and Chitin Constituents during Carbonization. <i>Frontiers in Materials</i> , 2015, 2, .	2.4	9
28	Nanostructured composite TiO ₂ /carbon catalysts of high activity for dehydration of n-butanol. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 198, 35-42.	3.5	9
29	Zinc Regarding the Utilization of Waste Tires by Pyrolysis. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 2683-2687.	1.2	9
30	3D hierarchical porous hybrid nanostructure of carbon nanotubes and N-doped activated carbon. <i>Scientific Reports</i> , 2020, 10, 18793.	3.3	8
31	Biologically Active Constituents from <i>Salix viminalis</i> Bio-Oil and Their Protective Activity Against Hydrogen Peroxide-Induced Oxidative Stress in Chinese Hamster Ovary Cells. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2153-2161.	2.9	7
32	Successful Manufacturing Protocols of N-Rich Carbon Electrodes Ensuring High ORR Activity: A Review. <i>Processes</i> , 2022, 10, 643.	2.8	7
33	Selected Aspects of Graphene Exfoliation as an Introductory Step Towards 3D Structuring of Graphene Nano-Sheets. <i>Current Graphene Science</i> , 2019, 2, 106-117.	0.5	6
34	Effect of <i>Salix viminalis</i> Pyrolysis Derived Antioxidants on Oxidative Stability of Diesters and Diester-Poly-olefin Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5117-5123.	3.7	5
35	Manufacture of a nanostructured CeO ₂ /carbon catalyst for n-butanol conversion. <i>Materials Letters</i> , 2014, 118, 119-122.	2.6	5
36	Synthesis of Hybrid Carbon Materials Consisting of N-Doped Microporous Carbon and Amorphous Carbon Nanotubes. <i>Materials</i> , 2020, 13, 2997.	2.9	5

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37	Chemical Activation of Nitrogen-doped Carbon Derived from Chitosan with ZnCl ₂ to Produce a High-performance Gas Diffusion-type Oxygen Electrode. <i>Electrochemistry</i> , 2021, 89, 36-42.	1.4	5
38	Linking the Defective Structure of Boron-Doped Carbon Nano-Onions with Their Catalytic Properties: Experimental and Theoretical Studies. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51628-51642.	8.0	5
39	Nanoscale Exfoliation of Graphene Sheets for Manufacturing of 3D Mesoporous Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9997-10000.	0.9	4
40	<i>Salix viminalis</i> wood as a new precursor for manufacturing of carbon molecular sieves for effective methane/nitrogen separation. <i>Open Chemistry</i> , 2015, 13, .	1.9	3
41	Alternative Synthesis Method for Carbon Nanotubes. <i>Small</i> , 2019, 15, 1904132.	10.0	2
42	Nitrogen-doped Chitin Carbon Materials. <i>Engineering and Protection of Environment</i> , 2016, 19, 205-215.	0.3	1
43	Chitosan in the Synthesis of Nitrogen-doped Activated Carbons - Recent Achievements. <i>Engineering and Protection of Environment</i> , 2016, 19, 379-390.	0.3	0