

Izabela StÄpniak

List of Publications by Year in descending order

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39
papers

3,931
citations

331670

21
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315739

38
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39
docs citations

39
times ranked

5425
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive, Fast Response and Selective Glucose Detection Based on CuO/Nitrogen-doped Carbon Non-enzymatic Sensor. <i>Electroanalysis</i> , 2022, 34, 1725-1734.	2.9	5
2	Extreme Biomimetics: Designing of the First Nanostructured 3D Spongin-Atacamite Composite and its Application. <i>Advanced Materials</i> , 2021, 33, e2101682.	21.0	21
3	Electrochemical Approach for Isolation of Chitin from the Skeleton of the Black Coral <i>Cirripathes</i> sp. (<i>Antipatharia</i>). <i>Marine Drugs</i> , 2020, 18, 297.	4.6	19
4	Electrochemical method for isolation of chitinous 3D scaffolds from cultivated <i>Aplysina aerophoba</i> marine demosponge and its biomimetic application. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	19
5	SYNTHESIS AND CHARACTERIZATION OF CHITOSAN/SODIUM ALGINATE BLEND MEMBRANE FOR APPLICATION IN AN ELECTROCHEMICAL CAPACITOR. <i>Progress on Chemistry and Application of Chitin and Its Derivatives</i> , 2020, XXV, 174-191.	0.1	0
6	Synthesis and characterization of modified chitosan membranes for applications in electrochemical capacitor. <i>Electrochimica Acta</i> , 2019, 320, 134632.	5.2	23
7	Dissolution of cellulose in novel carboxylate-based ionic liquids and dimethyl sulfoxide mixed solvents. <i>European Polymer Journal</i> , 2019, 113, 89-97.	5.4	45
8	Modification of chitin structure with tailored ionic liquids. <i>Carbohydrate Polymers</i> , 2018, 202, 397-403.	10.2	25
9	Synthesis and characterization of novel copper oxide-chitosan nanocomposites for non-enzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 296-307.	7.8	82
10	Acetate- and lactate-based ionic liquids: Synthesis, characterisation and electrochemical properties. <i>Journal of Molecular Liquids</i> , 2018, 264, 233-241.	4.9	36
11	Electrodes and hydrogel electrolytes based on cellulose: fabrication and characterization as EDLC components. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3035-3047.	2.5	62
12	A novel chitosan/sponge chitin origin material as a membrane for supercapacitors – preparation and characterization. <i>RSC Advances</i> , 2016, 6, 4007-4013.	3.6	78
13	Compatibility of poly(bis(AEA4)-LiTFSI-MPPipTFSI ionic liquid gel polymer electrolyte with Li 4 Ti 5 O 12 lithium ion battery anode. <i>Journal of Power Sources</i> , 2014, 247, 112-116.	7.8	24
14	Characterization and application of N-methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide ionic liquid-based gel polymer electrolyte prepared in situ by photopolymerization method in lithium ion batteries. <i>Electrochimica Acta</i> , 2014, 121, 27-33.	5.2	45
15	Nickel (II) lignosulfonate as precursor for the deposition of nickel hydroxide nanoparticles on a glassy carbon electrode for oxidative electrocatalysis. <i>Electrochimica Acta</i> , 2014, 134, 355-362.	5.2	5
16	Nanoparticles of Ni(OH) ₂ embedded in chitosan membrane as electrocatalyst for non-enzymatic oxidation of glucose. <i>Electrochimica Acta</i> , 2013, 111, 185-191.	5.2	33
17	Preparation, characterization and redox reactivity of glassy carbon electrode modified with organometallic complex of nickel. <i>Electrochimica Acta</i> , 2012, 76, 462-467.	5.2	19
18	Electrochemical characteristics of a new electric double layer capacitor with acidic polymer hydrogel electrolyte. <i>Electrochimica Acta</i> , 2011, 56, 2477-2482.	5.2	35

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19	Properties of Li-graphite and LiFePO ₄ electrodes in LiPF ₆ –sulfolane electrolyte. <i>Electrochimica Acta</i> , 2011, 56, 5972-5978.	5.2	32
20	Oxygen-doped activated carbon fiber cloth as electrode material for electrochemical capacitor. <i>Journal of Power Sources</i> , 2011, 196, 7882-7885.	7.8	116
21	New design of electric double layer capacitors with aqueous LiOH electrolyte as alternative to capacitor with KOH solution. <i>Journal of Power Sources</i> , 2010, 195, 2564-2569.	7.8	19
22	Grafting effect on the wetting and electrochemical performance of carbon cloth electrode and polypropylene separator in electric double layer capacitor. <i>Journal of Power Sources</i> , 2010, 195, 5130-5137.	7.8	45
23	Performance of carbon–carbon supercapacitors based on organic, aqueous and ionic liquid electrolytes. <i>Journal of Power Sources</i> , 2010, 195, 5814-5819.	7.8	335
24	Morpholinium-based ionic liquid mixtures as electrolytes in electrochemical double layer capacitors. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1949-1953.	2.9	36
25	Highly conductive ionic liquid based ternary polymer electrolytes obtained by in situ photopolymerisation. <i>Electrochimica Acta</i> , 2009, 54, 5660-5665.	5.2	54
26	Electric double layer capacitors with polymer hydrogel electrolyte based on poly(acrylamide) and modified electrode and separator materials. <i>Electrochimica Acta</i> , 2009, 54, 7396-7400.	5.2	14
27	Photoinitiated polymerization in ionic liquids: Kinetics and viscosity effects. <i>Polymer</i> , 2009, 50, 2040-2047.	3.8	51
28	Photopolymerization: new investigations, new materials. <i>Polimery</i> , 2009, 54, 327-333.	0.7	6
29	Ionic liquids as electrolytes. <i>Electrochimica Acta</i> , 2006, 51, 5567-5580.	5.2	2,382
30	Highly conductive solid polymer-(ionic liquid) electrolytes prepared by in situ photopolymerization. <i>Polimery</i> , 2006, 51, 859-861.	0.7	11
31	Heat capacities of ionic liquids and their heats of solution in molecular liquids. <i>Thermochimica Acta</i> , 2005, 433, 149-152.	2.7	156
32	Stability of Ag ⁺ Complexes with Cryptand 222 in Ionic Liquids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 52, 237-240.	1.6	15
33	Relative molar Gibbs energies of cation transfer from a molecular liquid to ionic liquids at 298.15 K. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4215-4218.	2.8	35
34	Copper transport properties in polymer electrolytes based on poly(ethylene oxide) and poly(acrylonitrile). <i>Solid State Ionics</i> , 2001, 143, 425-432.	2.7	16
35	Polyacrylonitrile–sulfolane–CuX ₂ (X=Cl, Br, CF ₃ SO ₃) solid polymer electrolyte. <i>Solid State Ionics</i> , 2001, 140, 361-367.	2.7	5
36	Impedance studies on poly(acrylonitrile)–dimethylsulfoxide–AgX (X=Cl, Br, I) gel electrolytes. <i>Solid State Ionics</i> , 2000, 132, 101-106.	2.7	3

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37	Polyacrylonitrile- γ -propylene carbonate-CuX ₂ (X=Cl, Br, CF ₃ SO ₃) solid polymer electrolyte. Solid State Ionics, 2000, 128, 145-150.	2.7	9
38	Impedance studies on polyacrylonitrile-CuX ₂ -DMSO (X=Cl, Br, CF ₃ SO ₃) solid polymer electrolyte. Solid State Ionics, 1999, 120, 135-139.	2.7	6
39	Impedance studies on poly(ethylene oxide)-Cu(CF ₃ SO ₃) ₂ -sulfolane solid electrolyte. Solid State Ionics, 1998, 111, 99-107.	2.7	9