Andrzej Lewandowski

List of Publications by Year
in descending order

51 papers	5,959 citations	257450 24 h-index	175258 52 g-index

52 all docs	52 docs citations	52 times ranked	6740 citing authors

#	Article	IF	Citations
1	Ionic liquids as electrolytes. Electrochimica Acta, 2006, 51, 5567-5580.	5.2	2,382
2	Ionic liquids as electrolytes for Li-ion batteriesâ€"An overview of electrochemical studies. Journal of Power Sources, 2009, 194, 601-609.	7.8	1,055
3	Performance of carbonâ€"carbon supercapacitors based on organic, aqueous and ionic liquid electrolytes. Journal of Power Sources, 2010, 195, 5814-5819.	7.8	335
4	Supercapacitor based on activated carbon and polyethylene oxideâ€"KOHâ€"H2O polymer electrolyte. Electrochimica Acta, 2001, 46, 2777-2780.	5.2	248
5	Carbonâ€"ionic liquid double-layer capacitors. Journal of Physics and Chemistry of Solids, 2004, 65, 281-286.	4.0	248
6	Conductivity of ionic liquids in mixtures. Journal of Molecular Liquids, 2006, 123, 43-50.	4.9	186
7	Practical and theoretical limits for electrochemical double-layer capacitors. Journal of Power Sources, 2007, 173, 822-828.	7.8	186
8	Heat capacities of ionic liquids and their heats of solution in molecular liquids. Thermochimica Acta, 2005, 433, 149-152.	2.7	156
9	Electrochemical capacitors with polymer electrolytes based on ionic liquids. Solid State Ionics, 2003, 161, 243-249.	2.7	149
10	New composite solid electrolytes based on a polymer and ionic liquids. Solid State Ionics, 2004, 169, 21-24.	2.7	148
11	Self-discharge of electrochemical double layer capacitors. Physical Chemistry Chemical Physics, 2013, 15, 8692.	2.8	120
12	Ferrocene as a Reference Redox Couple for Aprotic Ionic Liquids. Electroanalysis, 2009, 21, 2221-2227.	2.9	63
13	Properties of the graphite-lithium anode in N-methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide as an electrolyte. Journal of Power Sources, 2007, 171, 938-943.	7.8	58
14	Solvent-free double-layer capacitors with polymer electrolytes based on 1-ethyl-3-methyl- imidazolium triflate ionic liquid. Applied Physics A: Materials Science and Processing, 2006, 82, 579-584.	2.3	45
15	Properties of the lithium and graphiteâ€"lithium anodes in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. Journal of Power Sources, 2009, 194, 502-507.	7.8	40
16	Relative molar Gibbs energies of cation transfer from a molecular liquid to ionic liquids at 298.15 K. Physical Chemistry Chemical Physics, 2003, 5, 4215-4218.	2.8	35
17	Electrochemical studies of four organometallic redox couples as possible reference redox systems in 1-ethyl-3-methylimidazolium tetrafluoroborate. Electrochimica Acta, 2009, 54, 1414-1419.	5.2	34
18	Properties of Li-graphite and LiFePO4 electrodes in LiPF6â€"sulfolane electrolyte. Electrochimica Acta, 2011, 56, 5972-5978.	5.2	32

#	Article	IF	Citations
19	Flammability parameters of lithium-ion battery electrolytes. Journal of Molecular Liquids, 2020, 318, 113986.	4.9	31
20	Temperature coefficients of half-wave potentials and entropies of transfer of cations in aprotic solvents. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2599.	1.7	28
21	Li+ conducting polymer electrolyte based on ionic liquid for lithium and lithium-ion batteries. Electrochimica Acta, 2013, 92, 404-411.	5.2	28
22	N-Methyl-N-propylpiperidinium bis(trifluoromethanesulphonyl)imide as an electrolyte for carbon-based double-layer capacitors. Journal of Power Sources, 2007, 172, 487-492.	7.8	26
23	Kinetics of Li-ion transfer reaction at LiMn2O4, LiCoO2, and LiFePO4 cathodes. Journal of Solid State Electrochemistry, 2017, 21, 1365-1372.	2.5	26
24	Properties of LiMn2O4 cathode in electrolyte based on N-methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide. Electrochimica Acta, 2010, 55, 1990-1994.	5.2	25
25	Electrochemical Behavior of Cobaltocene in Ionic Liquids. Journal of Solution Chemistry, 2013, 42, 251-262.	1.2	22
26	Lithium-metal potential in Li+ containing ionic liquids. Journal of Applied Electrochemistry, 2010, 40, 515-524.	2.9	21
27	A Cryptate Reference Electrode for Ionic Liquids. Electroanalysis, 2008, 20, 1903-1908.	2.9	18
28	Temperature coefficients of Li-ion battery single electrode potentials and related entropy changes â€“ revisited. Physical Chemistry Chemical Physics, 2019, 21, 2115-2120.	2.8	17
29	Graphite | LiFePO4 lithium-ion battery working at the heat engine coolant temperature. Journal of Power Sources, 2014, 266, 132-137.	7.8	16
30	Ionic solvation. Part 6.â€”Standard potential of Ag/Ag+cryptand (222, 221 and 211) electrode in aprotic media. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 4139.	1.0	15
31	Lithium redox behavior in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulphonyl)imide room temperature ionic liquid. Journal of Power Sources, 2012, 197, 292-296.	7.8	15
32	Kinetics of Na | CF x and Li | CF x systems. Journal of Solid State Electrochemistry, 2016, 20, 3367-3373.	2.5	15
33	Impedance study of protecting film formation on lithium and lithiated graphite induced by bis(fluorosulfonyl) imide anion. Electrochimica Acta, 2010, 56, 211-214.	5.2	14
34	Capacitance of electrochemical double layer capacitors. Electrochimica Acta, 2012, 86, 225-231.	5.2	14
35	Kinetics of Li+ reduction in 1-methyl-3-propylpiperidinium bis(trifluoromethylsulfonyl) imide room temperature ionic liquid. Electrochimica Acta, 2012, 63, 204-208.	5.2	13
36	LiFePO4 cathode in N-methyl-N-propylpiperidinium and N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. Journal of Applied Electrochemistry, 2010, 40, 1619-1624.	2.9	12

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37	Kinetic analysis of Li|Li+ interphase in an ionic liquid electrolyte. Journal of Applied Electrochemistry, 2013, 43, 367-374.	2.9	11
38	Differential Capacity of the Double-Layer Formed at a Solid Electrode (Pt, Au)/Ionic Liquid Interface. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 187-190.	1.5	10
39	Solid electrolyte interphase formation on metallic lithium. Journal of Solid State Electrochemistry, 2012, 16, 3391-3397.	2.5	10
40	Kinetic and galvanostatic studies of a polymer electrolyte for lithium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 2825-2831.	2.5	10
41	Electrocapillary Curves for the Hg/Ionic Liquid Interface. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 263-268.	1.5	10
42	New polymer electrolyte poly(acrylonitrile)â€“sulpholaneâ€“(C2H5)4NBF4 for chemical capacitors. Solid State Ionics, 2003, 158, 367-373.	2.7	9
43	Limiting ac frequency and dc current of electrochemical double layer capacitors. Journal of Power Sources, 2015, 280, 289-292.	7.8	5
44	Properties of LiNiO2 cathode and graphite anode in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. Journal of Solid State Electrochemistry, 2012, 16, 673-679.	2.5	4
45	Impedance studies on poly(acrylonitrile)â€“dimethylsulfoxideâ€“AgX (X=Cl, Br, I) gel electrolytes. Solid State Ionics, 2000, 132, 101-106.	2.7	3
46	Capacity of graphene anode in ionic liquid electrolyte. Journal of Solid State Electrochemistry, 2014, 18, 2781-2788.	2.5	3
47	Phase Diagram for Ionic Liquids. Zeitschrift Fur Physikalische Chemie, 2009, 223, 1427-1435.	2.8	2
48	Heat generated during electrochemical double-layer capacitor â€œself-dischargeâ€• Journal of Applied Electrochemistry, 2014, 44, 551-554.	2.9	2
49	Experimental analysis of the capacity of electrochemical capacitors operating with AC voltage at a frequency of 50ÂHz. Electrical Engineering, 2006, 88, 83-88.	2.0	1
50	Estimation of logp=f(T) phase diagram for room temperature ionic liquids. Journal of Molecular Liquids, 2010, 152, 63-65.	4.9	1
51	Precipitated sulfur cathodeâ€”a hybrid faradaic and pseudocapacitive discharging process. Journal of Solid State Electrochemistry, 2020, 24, 1157-1164.	2.5	1