

Andrzej Lewandowski

List of Publications by Year in descending order

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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	Flammability parameters of lithium-ion battery electrolytes. <i>Journal of Molecular Liquids</i> , 2020, 318, 113986.	4.9	31
2	Precipitated sulfur cathode—a hybrid faradaic and pseudocapacitive discharging process. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1157-1164.	2.5	1
3	Temperature coefficients of Li-ion battery single electrode potentials and related entropy changes —revisited. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2115-2120.	2.8	17
4	Kinetics of Li-ion transfer reaction at LiMn ₂ O ₄ , LiCoO ₂ , and LiFePO ₄ cathodes. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1365-1372.	2.5	26
5	Kinetic and galvanostatic studies of a polymer electrolyte for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2825-2831.	2.5	10
6	Kinetics of Na CF _x and Li CF _x systems. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3367-3373.	2.5	15
7	Limiting ac frequency and dc current of electrochemical double layer capacitors. <i>Journal of Power Sources</i> , 2015, 280, 289-292.	7.8	5
8	Heat generated during electrochemical double-layer capacitor —self-discharge—. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 551-554.	2.9	2
9	Capacity of graphene anode in ionic liquid electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2781-2788.	2.5	3
10	Graphite LiFePO ₄ lithium-ion battery working at the heat engine coolant temperature. <i>Journal of Power Sources</i> , 2014, 266, 132-137.	7.8	16
11	Electrochemical Behavior of Cobaltocene in Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2013, 42, 251-262.	1.2	22
12	Kinetic analysis of Li Li ⁺ interphase in an ionic liquid electrolyte. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 367-374.	2.9	11
13	Li ⁺ conducting polymer electrolyte based on ionic liquid for lithium and lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 92, 404-411.	5.2	28
14	Self-discharge of electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8692.	2.8	120
15	Capacitance of electrochemical double layer capacitors. <i>Electrochimica Acta</i> , 2012, 86, 225-231.	5.2	14
16	Solid electrolyte interphase formation on metallic lithium. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3391-3397.	2.5	10
17	Kinetics of Li ⁺ reduction in 1-methyl-3-propylpiperidinium bis(trifluoromethylsulfonyl) imide room temperature ionic liquid. <i>Electrochimica Acta</i> , 2012, 63, 204-208.	5.2	13
18	Lithium redox behavior in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulphonyl)imide room temperature ionic liquid. <i>Journal of Power Sources</i> , 2012, 197, 292-296.	7.8	15

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19	Properties of LiNiO ₂ cathode and graphite anode in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 673-679.	2.5	4
20	Properties of Li-graphite and LiFePO ₄ electrodes in LiPF ₆ –sulfolane electrolyte. <i>Electrochimica Acta</i> , 2011, 56, 5972-5978.	5.2	32
21	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
22	Lithium-metal potential in Li ⁺ containing ionic liquids. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 515-524.	2.9	21
23	LiFePO ₄ cathode in N-methyl-N-propylpiperidinium and N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1619-1624.	2.9	12
24	Estimation of log γ =f(T) phase diagram for room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2010, 152, 63-65.	4.9	1
25	Impedance study of protecting film formation on lithium and lithiated graphite induced by bis(fluorosulfonyl) imide anion. <i>Electrochimica Acta</i> , 2010, 56, 211-214.	5.2	14
26	Properties of LiMn ₂ O ₄ cathode in electrolyte based on N-methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide. <i>Electrochimica Acta</i> , 2010, 55, 1990-1994.	5.2	25
27	Ferrocene as a Reference Redox Couple for Aprotic Ionic Liquids. <i>Electroanalysis</i> , 2009, 21, 2221-2227.	2.9	63
28	Ionic liquids as electrolytes for Li-ion batteries—An overview of electrochemical studies. <i>Journal of Power Sources</i> , 2009, 194, 601-609.	7.8	1,055
29	Electrochemical studies of four organometallic redox couples as possible reference redox systems in 1-ethyl-3-methylimidazolium tetrafluoroborate. <i>Electrochimica Acta</i> , 2009, 54, 1414-1419.	5.2	34
30	Properties of the lithium and graphite–lithium anodes in N-methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide. <i>Journal of Power Sources</i> , 2009, 194, 502-507.	7.8	40
31	Phase Diagram for Ionic Liquids. <i>Zeitschrift Fur Physikalische Chemie</i> , 2009, 223, 1427-1435.	2.8	2
32	Electrocapillary Curves for the Hg/Ionic Liquid Interface. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 263-268.	1.5	10
33	A Cryptate Reference Electrode for Ionic Liquids. <i>Electroanalysis</i> , 2008, 20, 1903-1908.	2.9	18
34	Differential Capacity of the Double-Layer Formed at a Solid Electrode (Pt, Au)/Ionic Liquid Interface. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2007, 62, 187-190.	1.5	10
35	Practical and theoretical limits for electrochemical double-layer capacitors. <i>Journal of Power Sources</i> , 2007, 173, 822-828.	7.8	186
36	N-Methyl-N-propylpiperidinium bis(trifluoromethanesulphonyl)imide as an electrolyte for carbon-based double-layer capacitors. <i>Journal of Power Sources</i> , 2007, 172, 487-492.	7.8	26

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37	Properties of the graphite-lithium anode in N-methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide as an electrolyte. <i>Journal of Power Sources</i> , 2007, 171, 938-943.	7.8	58
38	Ionic liquids as electrolytes. <i>Electrochimica Acta</i> , 2006, 51, 5567-5580.	5.2	2,382
39	Conductivity of ionic liquids in mixtures. <i>Journal of Molecular Liquids</i> , 2006, 123, 43-50.	4.9	186
40	Experimental analysis of the capacity of electrochemical capacitors operating with AC voltage at a frequency of 50ÂHz. <i>Electrical Engineering</i> , 2006, 88, 83-88.	2.0	1
41	Solvent-free double-layer capacitors with polymer electrolytes based on 1-ethyl-3-methyl-imidazolium triflate ionic liquid. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 579-584.	2.3	45
42	Heat capacities of ionic liquids and their heats of solution in molecular liquids. <i>Thermochemica Acta</i> , 2005, 433, 149-152.	2.7	156
43	New composite solid electrolytes based on a polymer and ionic liquids. <i>Solid State Ionics</i> , 2004, 169, 21-24.	2.7	148
44	Carbonâ€ionic liquid double-layer capacitors. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 281-286.	4.0	248
45	New polymer electrolyte poly(acrylonitrile)â€sulpholaneâ€(C ₂ H ₅) ₄ NBF ₄ for chemical capacitors. <i>Solid State Ionics</i> , 2003, 158, 367-373.	2.7	9
46	Electrochemical capacitors with polymer electrolytes based on ionic liquids. <i>Solid State Ionics</i> , 2003, 161, 243-249.	2.7	149
47	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
48	Supercapacitor based on activated carbon and polyethylene oxideâ€KOHâ€H ₂ O polymer electrolyte. <i>Electrochimica Acta</i> , 2001, 46, 2777-2780.	5.2	248
49	Impedance studies on poly(acrylonitrile)â€dimethylsulfoxideâ€AgX (X=Cl, Br, I) gel electrolytes. <i>Solid State Ionics</i> , 2000, 132, 101-106.	2.7	3
50	Temperature coefficients of half-wave potentials and entropies of transfer of cations in aprotic solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2599.	1.7	28
51	Ionic solvation. Part 6.â€Standard potential of Ag/Ag+cryptand (222, 221 and 211) electrode in aprotic media. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 4139.	1.0	15