

Mrim Anouti

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96
papers

3,307
citations

37
h-index

54
g-index

102
ext. papers

3,738
ext. citations

5.1
avg. IF

5.56
L-index

#	Paper	IF	Citations
96	Comparative study of EC/DMC LiTFSI and LiPF ₆ electrolytes for electrochemical storage. <i>Journal of Power Sources</i> , 2011 , 196, 9743-9750	8.9	198
95	Synthesis and characterization of new pyrrolidinium based protic ionic liquids. Good and superionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 13335-43	3.4	127
94	Protic ionic liquids as electrolytes for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 31, 39-41	5.1	125
93	Volumetric properties, viscosity and refractive index of the protic ionic liquid, pyrrolidinium octanoate, in molecular solvents. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 834-845	2.9	123
92	Triethylammonium bis(tetrafluoromethylsulfonyl)amide protic ionic liquid as an electrolyte for electrical double-layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8199-207	3.6	114
91	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid+propylene carbonate) binary mixture. <i>Journal of Chemical Thermodynamics</i> , 2013 , 59, 10-19	2.9	96
90	Aggregation behavior in water of new imidazolium and pyrrolidinium alkylcarboxylates protic ionic liquids. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 104-11	9.3	95
89	Deep eutectic solvents based on N-methylacetamide and a lithium salt as suitable electrolytes for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20054-63	3.6	90
88	Tris(2,2,2-trifluoroethyl) phosphite as an electrolyte additive for high-voltage lithium-ion batteries using lithium-rich layered oxide cathode. <i>Journal of Power Sources</i> , 2015 , 296, 413-425	8.9	88
87	Liquid densities, heat capacities, refractive index and excess quantities for {protic ionic liquids+water} binary system. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 799-808	2.9	79
86	Physical properties of a new Deep Eutectic Solvent based on lithium bis[(trifluoromethyl)sulfonyl]imide and N-methylacetamide as superionic suitable electrolyte for lithium ion batteries and electric double layer capacitors. <i>Electrochimica Acta</i> , 2013 , 102, 120-126	6.7	74
85	Alkylammonium-based protic ionic liquids. Part I: Preparation and physicochemical characterization. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 9406-11	3.4	70
84	Comparative Performances of Birnessite and Cryptomelane MnO ₂ as Electrode Material in Neutral Aqueous Lithium Salt for Supercapacitor Application. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 7408-7422	3.8	69
83	Phosphonium-based protic ionic liquid as electrolyte for carbon-based supercapacitors. <i>Electrochemistry Communications</i> , 2011 , 13, 1112-1115	5.1	68
82	Deep Eutectic Solvents Based on N-Methylacetamide and a Lithium Salt as Electrolytes at Elevated Temperature for Activated Carbon-Based Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4033-4042	3.8	64
81	Thermophysical Properties of Ammonium-Based Bis((trifluoromethyl)sulfonyl)imide Ionic Liquids: Volumetric and Transport Properties. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2227-2235	2.8	63
80	Transport properties investigation of aqueous protic ionic liquid solutions through conductivity, viscosity, and NMR self-diffusion measurements. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4228-38	3.4	61

79	A pyrrolidinium nitrate protic ionic liquid-based electrolyte for very low-temperature electrical double-layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6539-48	3.6	61
78	Physicochemical characterization of morpholinium cation based protic ionic liquids used as electrolytes. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1757-66	3.4	61
77	Pseudo-capacitance of nanoporous carbons in pyrrolidinium-based protic ionic liquids. <i>Electrochemistry Communications</i> , 2010 , 12, 414-417	5.1	61
76	An investigation about the cycling stability of supercapacitors containing protic ionic liquids as electrolyte components. <i>Electrochimica Acta</i> , 2013 , 108, 226-231	6.7	56
75	Sulfonium Bis(trifluorosulfonimide) Plastic Crystal Ionic Liquid as an Electrolyte at Elevated Temperature for High-Energy Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9412-9418	3.8	53
74	Protic ionic liquid as electrolyte for high-densities electrochemical double layer capacitors with activated carbon electrode material. <i>Electrochimica Acta</i> , 2012 , 64, 110-117	6.7	52
73	Transport properties of protic ionic liquids, pure and in aqueous solutions: Effects of the anion and cation structure. <i>Fluid Phase Equilibria</i> , 2010 , 297, 13-22	2.5	50
72	Alkylammonium-based protic ionic liquids. II. Ionic transport and heat-transfer properties: fragility and ionicity rule. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 9412-6	3.4	49
71	Comparative study on transport properties for LiFAP and LiPF ₆ in alkyl-carbonates as electrolytes through conductivity, viscosity and NMR self-diffusion measurements. <i>Electrochimica Acta</i> , 2013 , 114, 95-104	6.7	43
70	Optimizing the performance of supercapacitors based on carbon electrodes and protic ionic liquids as electrolytes. <i>Electrochimica Acta</i> , 2013 , 108, 361-368	6.7	42
69	An investigation about the use of mixtures of sulfonium-based ionic liquids and propylene carbonate as electrolytes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12669	13	42
68	LiTDI as electrolyte salt for Li-ion batteries: transport properties in EC/DMC. <i>Electrochimica Acta</i> , 2015 , 180, 778-787	6.7	41
67	Eutectic mixture of Protic Ionic Liquids as an Electrolyte for Activated Carbon-Based Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 155, 164-173	6.7	40
66	Solubilization of SEI lithium salts in alkylcarbonate solvents. <i>Fluid Phase Equilibria</i> , 2011 , 305, 121-126	2.5	40
65	Effect of cation (Li ⁺ , Na ⁺ , K ⁺ , Rb ⁺ , Cs ⁺) in aqueous electrolyte on the electrochemical redox of Prussian blue analogue (PBA) cathodes. <i>Journal of Energy Chemistry</i> , 2020 , 40, 31-38	12	40
64	Role of propane sultone as an additive to improve the performance of a lithium-rich cathode material at a high potential. <i>RSC Advances</i> , 2015 , 5, 42088-42094	3.7	39
63	Comparative Study on Performances of Trimethyl-Sulfonium and Trimethyl-Ammonium Based Ionic Liquids in Molecular Solvents as Electrolyte for Electrochemical Double Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10315-10325	3.8	39
62	A comparative study on the thermophysical properties for two bis[(trifluoromethyl)sulfonyl]imide-based ionic liquids containing the trimethyl-sulfonium or the trimethyl-ammonium cation in molecular solvents. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1389-402	3.4	38

61	Physical Properties of a New Deep Eutectic Solvent Based on a Sulfonium Ionic Liquid as a Suitable Electrolyte for Electric Double-Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 970-979	3.8	37
60	Viscosity and carbon dioxide solubility for LiPF ₆ , LiTFSI, and LiFAP in alkyl carbonates: lithium salt nature and concentration effect. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 3973-80	3.4	37
59	Ionic association analysis of LiTDI, LiFSI and LiPF in EC/DMC for better Li-ion battery performances.. <i>RSC Advances</i> , 2019 , 9, 4599-4608	3.7	37
58	Thermodynamic of LiF dissolution in alkylcarbonates and some of their mixtures with water. <i>Fluid Phase Equilibria</i> , 2009 , 285, 62-68	2.5	36
57	Influence of electrolyte ion-solvent interactions on the performances of supercapacitors porous carbon electrodes. <i>Journal of Power Sources</i> , 2014 , 263, 130-140	8.9	35
56	Interfacial Properties of LiTFSI and LiPF ₆ -Based Electrolytes in Binary and Ternary Mixtures of Alkylcarbonates on Graphite Electrodes and Celgard Separator. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5240-5245	3.9	34
55	Low pressure carbon dioxide solubility in pure electrolyte solvents for lithium-ion batteries as a function of temperature. Measurement and prediction. <i>Journal of Chemical Thermodynamics</i> , 2012 , 50, 71-79	2.9	33
54	Influence of Graphite Characteristics on the Electrochemical Performance in Alkylcarbonate LiTFSI Electrolyte for Li-Ion Capacitors and Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1907-A1915	3.9	30
53	Comparative Study of Two Protic Ionic Liquids as Electrolyte for Electrical Double-Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A228-A238	3.9	30
52	Transport properties in two pyrrolidinium-based protic ionic liquids as determined by conductivity, viscosity and NMR self-diffusion measurements. <i>Fluid Phase Equilibria</i> , 2010 , 299, 229-237	2.5	30
51	Approaches to Electrolyte Solvent Selection for Poly-Anthraquinone Sulfide Organic Electrode Material. <i>ChemSusChem</i> , 2018 , 11, 965-974	8.3	28
50	On the Use of Lithium Iron Phosphate in Combination with Protic Ionic Liquid-Based Electrolytes. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A559-A563	3.9	26
49	Low pressure carbon dioxide solubility in lithium-ion batteries based electrolytes as a function of temperature. Measurement and prediction. <i>Journal of Chemical Thermodynamics</i> , 2013 , 61, 32-44	2.9	24
48	Comparative Study of Alkali-Cation-Based (Li, Na, K) Electrolytes in Acetonitrile and Alkylcarbonates. <i>ChemPhysChem</i> , 2019 , 20, 581-594	3.2	24
47	Synthesis and Thermophysical Properties of Ether-Functionalized Sulfonium Ionic Liquids as Potential Electrolytes for Electrochemical Applications. <i>ChemPhysChem</i> , 2016 , 17, 3992-4002	3.2	21
46	Protic ionic liquids/poly(vinylidene fluoride) composite membranes for fuel cell application. <i>Journal of Energy Chemistry</i> , 2021 , 53, 197-207	12	21
45	Impact of Solid Electrolyte Interphase lithium salts on cycling ability of Li-ion battery: Beneficial effect of glymes additives. <i>Journal of Power Sources</i> , 2014 , 248, 969-977	8.9	20
44	Effect of low water content in protic ionic liquid on ions electroadsorption in porous carbon: application to electrochemical capacitors. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11173-11186	3.6	19

43	Deep eutectic solvent based on sodium cations as an electrolyte for supercapacitor application. <i>RSC Advances</i> , 2014 , 4, 45647-45652	3.7	18
42	Transport Properties of Tributylphosphonium Tetrafluoroborate Protic Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3170-3178	3.9	17
41	Lithium fluoride dissolution equilibria in cyclic alkylcarbonates and water. <i>Journal of Molecular Liquids</i> , 2010 , 153, 146-152	6	16
40	Gas Evolution in Activated-Carbon-Based Supercapacitors with Protic Deep Eutectic Solvent as Electrolyte. <i>ChemPhysChem</i> , 2017 , 18, 2364-2373	3.2	15
39	Effect of lithium salt concentration on the capacity retention of Lithium rich NMC cathodes. <i>Electrochimica Acta</i> , 2017 , 223, 31-38	6.7	14
38	Physicochemical and electrochemical properties of a new series of protic ionic liquids with N-chloroalkyl functionalized cations. <i>RSC Advances</i> , 2016 , 6, 55144-55158	3.7	14
37	Structuring reductive media containing protic ionic liquids and their application to the formation of metallic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 445, 1-11	5.1	14
36	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction. <i>Journal of Chemical Thermodynamics</i> , 2014 , 79, 49-60	2.9	14
35	Ester based electrolyte with lithium bis(trifluoromethane sulfonyl) imide salt for electrochemical storage devices: Physicochemical and electrochemical characterization. <i>Electrochimica Acta</i> , 2012 , 86, 287-293	6.7	14
34	Formation and scission of the sulfur-sulfur bond: a new approach to reactions between sulfur/polysulfide ions and thiolate ions/disulfides in N,N-dimethylacetamide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 1993-1999		14
33	Physicochemical characterization of vesicles systems formed in mixtures of protic ionic liquids and water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 190-198	5.1	12
32	Electrochemical lithiation and compatibility of graphite anode using glutaronitrile/dimethyl carbonate mixtures containing LiTFSI as electrolyte. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 375-385	3.6	11
31	Catholyte Formulations for High-Energy Li-S Batteries. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5907-5914	6.4	11
30	Low-Concentrated Lithium Hexafluorophosphate Ternary-based Electrolyte for a Reliable and Safe NMC/Graphite Lithium-Ion Battery. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1911-1917	6.4	11
29	Tunable gold nanoparticles shape and size in reductive and structuring media containing protic ionic liquids. <i>Ionics</i> , 2013 , 19, 1783-1790	2.7	10
28	Displacement of aromatic nitro groups by anionic sulfur nucleophiles: reactivity of aryl disulfide and thiolate ions towards dinitrobenzenes in N,N-dimethylacetamide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 1639		9
27	Formation of acyl disulfide ions from the reaction of sulfur with thiocarboxylate ions, and reactivity towards acyl chlorides in N,N-dimethylacetamide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 473-478		8
26	Nucleophilic Substitution of Alkyl Halides by Electrogenerated Polysulfide Ions in N,N-dimethylacetamide. <i>Acta Chemica Scandinavica</i> , 1999 , 53, 513-520		8

25	Amide-based deep eutectic solvents containing LiFSI and NaFSI salts as superionic electrolytes for supercapacitor applications. <i>Journal of Chemical Physics</i> , 2021 , 154, 164708	3.9	8
24	Ionic liquids based on 1-aza-bicyclo[2,2,2]octane (Quinuclidine) salts: synthesis and physicochemical properties. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 2461-2467	2.6	7
23	Characterization of organic polyselenide ions in N,N-dimethylacetamide. <i>New Journal of Chemistry</i> , 2001 , 25, 741-746	3.6	7
22	Role of the electrolyte in gas formation during the cycling of a Gr//NMC battery as a function of temperature: Solvent, salt, and ionic liquid effect.. <i>Electrochimica Acta</i> , 2020 , 362, 137214	6.7	7
21	Effect of fluorinated additives or co-solvent on performances of graphite//LiMn2O4 cells cycled at high potential. <i>Journal of Energy Chemistry</i> , 2021 , 52, 332-342	12	7
20	Nucleophilic substitution of acyl chlorides by electrogenerated polysulfide ions in N,N-dimethylacetamide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 1759-1764		6
19	A new solvent mixture for use of LiTDI as electrolyte salt in Li-ion batteries. <i>Electrochimica Acta</i> , 2019 , 305, 534-546	6.7	5
18	Room-Temperature Molten Salts: Protic Ionic Liquids and Deep Eutectic Solvents as Media for Electrochemical Application 2015 , 217-252		5
17	Gamma ray degradation of electrolytes containing alkylcarbonate solvents and a lithium salt. <i>Journal of Power Sources</i> , 2010 , 195, 614-620	8.9	5
16	Influence of hydrophilic/hydrophobic protic ionic liquids (PILs) on the poly(vinylidene fluoride) (PVDF-ionic liquid) membrane properties. <i>Journal of Materials Science</i> , 2020 , 55, 16697-16717	4.3	5
15	Stabilization of sulfenyl(poly)selenide ions in N,N-dimethylacetamide. <i>New Journal of Chemistry</i> , 2002 , 26, 1433-1439	3.6	4
14	How do organic polysulphides improve the performance of Li-S batteries?. <i>Electrochimica Acta</i> , 2020 , 330, 135253	6.7	4
13	Safe and efficient phosphonium ionic liquid based electrolyte for high-potential LiMn2O4 and LiNi0.8Co0.15Al0.05O2 cathodes for Li-ion batteries. <i>Electrochimica Acta</i> , 2021 , 371, 137841	6.7	4
12	Anion effect on Li/Na/K hybrid electrolytes for Graphite//NCA (LiNi0.8Co0.15Al0.05O2) Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2022 , 64, 451-462	12	4
11	Small dissymmetry, yet large effects on the transport properties of electrolytes based on imide salts: Consequences on performance in Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2022 , 65, 352-366	12	4
10	A highly concentrated vanadium protic ionic liquid electrolyte for the vanadium redox flow battery. <i>Journal of Energy Chemistry</i> , 2021 , 57, 238-246	12	3
9	Could K+-Based Electrolytes Be the Reliable Environmental-Friendly Alternative to Li+ in Gr//LMO Battery We Searched for?. <i>Energy Technology</i> , 2020 , 8, 2000342	3.5	2
8	Physical properties and compatibility with graphite and lithium metal anodes of non-flammable deep eutectic solvent as a safe electrolyte for high temperature Li-ion batteries. <i>Electrochimica Acta</i> , 2022 , 408, 139944	6.7	2

7	Polarizable cesium cations for energy storage from electrolyte characterization to-EDLC application. <i>Electrochimica Acta</i> , 2021 , 402, 139529	6.7	2
6	Less is More?: Ultra Low LiPF ₆ Concentrated Electrolyte for Efficient Li-Ion Batteries. <i>Batteries and Supercaps</i> , 2021 , 4, 1708	5.6	2
5	Salt and Solvent effect on physicochemical properties and species organisation of Lithium fluorosulfonyl imide (FSI and TFSI) based electrolytes for Li-ion battery: Consequence on cyclability of LiNi _{0.8} Co _{0.15} Al _{0.05} (NCA) cathode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 126, 88-101	5.3	2
4	Comparative Study of Physical Properties and CO ₂ Solubility of Ammonium and Sulfonium Ionic Liquids in Mixture with Glutaronitrile. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 427-436	2.8	1
3	Phosphonium ionic liquid-based electrolyte for high voltage Li-ion batteries: Effect of ionic liquid ratio. <i>Journal of Applied Electrochemistry</i> , 1	2.6	1
2	Poly-anthraquinone sulfide isomers as electrode materials for extended operating temperature organic batteries. <i>Materials Advances</i> , 2021 , 2, 376-383	3.3	1
1	Role of FTFSI Anion Asymmetry on Physical Properties of AFTFSI (A=Li, Na and K) Based Electrolytes and Consequences on Supercapacitor Application. <i>ChemPhysChem</i> , 2021 , 22, 1863-1879	3.2	0