

SÃ©bastien Fantini

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,150
citations

430442

18
h-index

525886

27
g-index

31
all docs

31
docs citations

31
times ranked

3685
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview and Future Perspectives of Aluminum Batteries. <i>Advanced Materials</i> , 2016, 28, 7564-7579.	11.1	650
2	A review of electrolytes for lithium-sulphur batteries. <i>Journal of Power Sources</i> , 2014, 255, 204-218.	4.0	379
3	Capacitive Energy Storage from 50 to 100 °C Using an Ionic Liquid Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2396-2401.	2.1	361
4	Room temperature ionic liquid (RTIL)-based electrolyte cocktails for safe, high working potential Li-based polymer batteries. <i>Journal of Power Sources</i> , 2019, 412, 398-407.	4.0	100
5	Electrosynthesis of polyphenylpyrrole coated silver particles at a liquid-liquid interface. <i>Electrochemistry Communications</i> , 2002, 4, 227-230.	2.3	88
6	Ionic liquid electrolytes for high-voltage, lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 479, 228791.	4.0	64
7	An unusual common ion effect promotes dissolution of metal salts in room-temperature ionic liquids: a strategy to obtain ionic liquids having organic-inorganic mixed cations. <i>Green Chemistry</i> , 2010, 12, 77-80.	4.6	51
8	Solder-reflow resistant solid-state micro-supercapacitors based on ionogels. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11835-11843.	5.2	50
9	Electrochemical deposition of ZnO in a room temperature ionic liquid: 1-Butyl-1-methylpyrrolidinium bis(trifluoromethane sulfonyl)imide. <i>Electrochemistry Communications</i> , 2009, 11, 2184-2186.	2.3	48
10	Influence of the presence of a gel in the water phase on the electrochemical transfer of ionic forms of β -blockers across a large water-1,2-dichloroethane interface. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 18, 251-257.	1.9	44
11	Effect of the synthetic strategy on the non-covalent functionalization of multi-walled carbon nanotubes with polymerized ionic liquids. <i>Carbon</i> , 2013, 57, 209-216.	5.4	44
12	Polymeric ionic liquid nanoparticles as binder for composite Li-ion electrodes. <i>Journal of Power Sources</i> , 2013, 240, 745-752.	4.0	38
13	Lithium Metal Protection by a Cross-Linked Polymer Ionic Liquid and Its Application in Lithium Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 2020-2027.	2.5	37
14	NiO cathodic electrochemical deposition from an aprotic ionic liquid: Building metal oxide-p heterojunctions. <i>Electrochimica Acta</i> , 2012, 71, 39-43.	2.6	35
15	Interaction of TiO_2 Nanocrystals with Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12923-12929.	1.5	33
16	Electrochemical reduction of O_2 in 1-butyl-1-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide ionic liquid containing Zn^{2+} cations: deposition of non-polar oriented ZnO nanocrystalline films. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13433.	1.3	30
17	Colloidal dispersions of oxide nanoparticles in ionic liquids: elucidating the key parameters. <i>Nanoscale Advances</i> , 2020, 2, 1560-1572.	2.2	23
18	New handy relationship between the conductivity of concentrated nonaqueous electrolyte solutions and the dielectric constant and viscosity of the solvents. <i>Journal of Power Sources</i> , 2002, 107, 80-89.	4.0	19

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19	Electrodeposition of Keggin-Type Heteropolyanions on Different Electrode Surfaces from Nonaqueous Media. <i>Journal of the Electrochemical Society</i> , 2002, 149, E96.	1.3	13
20	Decomposition temperatures and vapour pressures of selected ionic liquids for electrochemical applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1791-1797.	2.0	11
21	Room-temperature solid phase ionic liquid (RTSPIL) coated α -transaminases: Development and application in organic solvents. <i>Molecular Catalysis</i> , 2018, 452, 11-19.	1.0	9
22	High Conductivity Solvates with Unsymmetrical Glymes as New Electrolytes. <i>Chemistry of Materials</i> , 2018, 30, 246-251.	3.2	8
23	Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax® 1657 Composite Membranes and Their Gas Separation Performance. <i>Membranes</i> , 2020, 10, 224.	1.4	4
24	A Gel Polymer Electrolyte for Aluminum Batteries. <i>Energy Technology</i> , 2021, 9, 2100208.	1.8	4
25	Cathodic Behavior of Liquid Ammonia Solutions of Titanium Tetraiodide at Room Temperature. <i>Journal of the Electrochemical Society</i> , 2001, 148, D94.	1.3	3
26	So Similar, yet so Different: The Case of the Ionic Liquids N-Trimethyl-N (2-methoxyethyl)ammonium Bis (trifluoromethanesulfonyl)imide and N,N-Diethyl-N-methyl-N(2-methoxyethyl)ammonium bis(trifluoromethanesulfonyl)imide. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	2
27	Synthesis, Physical Properties and Electrochemical Applications of Two Ionic Liquids Containing the Asymmetric (Fluoromethylsulfonyl)(Trifluoromethylsulfonyl)imide Anion. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4524.	1.3	2
28	Mit ionischen Flüssigkeiten α -berzogene Transaminase α -r Biokatalyse in organischen Lösungsmitteln. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1244-1244.	0.4	0