

SÃ©bastien Fantini

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,150
citations

430754

18
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526166

27
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31
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docs citations

31
times ranked

3685
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Synthesis, Physical Properties and Electrochemical Applications of Two Ionic Liquids Containing the Asymmetric (Fluoromethylsulfonyl)(Trifluoromethylsulfonyl)imide Anion. <i>Applied Sciences</i> (Switzerland), 2022, 12, 4524. | 1.3 | 2 |
| 3 | A Gel Polymer Electrolyte for Aluminum Batteries. <i>Energy Technology</i> , 2021, 9, 2100208. | 1.8 | 4 |
| 4 | Ionic liquid electrolytes for high-voltage, lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 479, 228791. | 4.0 | 64 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Colloidal dispersions of oxide nanoparticles in ionic liquids: elucidating the key parameters. <i>Nanoscale Advances</i> , 2020, 2, 1560-1572. | 2.2 | 23 |
| 9 | 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 |
| 10 | Room-temperature solid phase ionic liquid (RTSPIL) coated ̳-transaminases: Development and application in organic solvents. <i>Molecular Catalysis</i> , 2018, 452, 11-19. | 1.0 | 9 |
| 11 | High Conductivity Solvates with Unsymmetrical Glymes as New Electrolytes. <i>Chemistry of Materials</i> , 2018, 30, 246-251. | 3.2 | 8 |
| 12 | An Overview and Future Perspectives of Aluminum Batteries. <i>Advanced Materials</i> , 2016, 28, 7564-7579. | 11.1 | 650 |
| 13 | Mit ionischen FlÃ¼ssigkeiten Ã¼berzogene Transaminase fÃ¼r Biokatalyse in organischen LÃ¶sungsmitteln. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1244-1244. | 0.4 | 0 |
| 14 | Solder-reflow resistant solid-state micro-supercapacitors based on ionogels. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11835-11843. | 5.2 | 50 |
| 15 | A review of electrolytes for lithium-sulphur batteries. <i>Journal of Power Sources</i> , 2014, 255, 204-218. | 4.0 | 379 |
| 16 | Polymeric ionic liquid nanoparticles as binder for composite Li-ion electrodes. <i>Journal of Power Sources</i> , 2013, 240, 745-752. | 4.0 | 38 |
| 17 | Interaction of TiO ₂ Nanocrystals with Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12923-12929. | 1.5 | 33 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | NiO cathodic electrochemical deposition from an aprotic ionic liquid: Building metal oxide nâ€™p heterojunctions. <i>Electrochimica Acta</i> , 2012, 71, 39-43. | 2.6 | 35 |
| 20 | 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 |
| 21 | Capacitive Energy Storage from âˆ’50 to 100 Â°C Using an Ionic Liquid Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2396-2401. | 2.1 | 361 |
| 22 | An unusual common ion effect promotes dissolution of metal salts in room-temperature ionic liquids: a strategy to obtain ionic liquids having organicâ€™inorganic mixed cations. <i>Green Chemistry</i> , 2010, 12, 77-80. | 4.6 | 51 |
| 23 | 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 |
| 24 | Influence of the presence of a gel in the water phase on the electrochemical transfer of ionic forms of Î²-blockers across a large waterâ€™1,2-dichloroethane interface. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 18, 251-257. | 1.9 | 44 |
| 25 | 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 |
| 26 | Electrosynthesis of polyphenylpyrrole coated silver particles at a liquidâ€™liquid interface. <i>Electrochemistry Communications</i> , 2002, 4, 227-230. | 2.3 | 88 |
| 27 | 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 |
| 28 | 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 |