

Maria Forsyth

List of Publications by Year in descending order

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676
papers

40,230
citations

2795

94
h-index

5364

164
g-index

701
all docs

701
docs citations

701
times ranked

23938
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy applications of ionic liquids. <i>Energy and Environmental Science</i> , 2014, 7, 232-250.	15.6	1,455
2	Use of Ionic Liquids for pi -Conjugated Polymer Electrochemical Devices. <i>Science</i> , 2002, 297, 983-987.	6.0	1,155
3	Pyrrrolidinium Imides: A New Family of Molten Salts and Conductive Plastic Crystal Phases. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4164-4170.	1.2	1,021
4	Ionic Liquids in Electrochemical Devices and Processes: Managing Interfacial Electrochemistry. <i>Accounts of Chemical Research</i> , 2007, 40, 1165-1173.	7.6	660
5	On the concept of ionicity in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4962.	1.3	645
6	Lithium-doped plastic crystal electrolytes exhibiting fast ion conduction for secondary batteries. <i>Nature</i> , 1999, 402, 792-794.	13.7	570
7	Ionic liquids and their solid-state analogues as materials for energy generation and storage. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	511
8	A Review of Ionic Liquid Lubricants. <i>Lubricants</i> , 2013, 1, 3-21.	1.2	510
9	High Rates of Oxygen Reduction over a Vapor Phase Polymerized PEDOT Electrode. <i>Science</i> , 2008, 321, 671-674.	6.0	493
10	Room-Temperature Molten Salts Based on the Quaternary Ammonium Ion. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8858-8864.	1.2	481
11	Low viscosity ionic liquids based on organic salts of the dicyanamide anion. <i>Chemical Communications</i> , 2001, , 1430-1431.	2.2	466
12	Protein solubilising and stabilising ionic liquids. <i>Chemical Communications</i> , 2005, , 4804.	2.2	427
13	Lewis base ionic liquids. <i>Chemical Communications</i> , 2006, , 1905.	2.2	399
14	Electrochemical performance of polyaniline nanofibres and polyaniline/multi-walled carbon nanotube composite as an electrode material for aqueous redox supercapacitors. <i>Journal of Power Sources</i> , 2007, 171, 1062-1068.	4.0	378
15	High conductivity molten salts based on the imide ion. <i>Electrochimica Acta</i> , 2000, 45, 1271-1278.	2.6	375
16	Plastic Crystal Electrolyte Materials: New Perspectives on Solid State Ionics. <i>Advanced Materials</i> , 2001, 13, 957-966.	11.1	340
17	Solubility and Stability of Cytochrome c Hydrated Ionic Liquids: Effect of Oxo Acid Residues and Kosmotropicity. <i>Biomacromolecules</i> , 2007, 8, 2080-2086.	2.6	338
18	Characterization of the Lithium Surface in N-Methyl-N-alkylpyrrolidinium Bis(trifluoromethanesulfonyl)amide Room-Temperature Ionic Liquid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2006, 153, A595.	1.3	325

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19	Diffusion layer parameters influencing optimal fuel cell performance. <i>Journal of Power Sources</i> , 2000, 86, 250-254.	4.0	281
20	The zwitterion effect in high-conductivity polyelectrolyte materials. <i>Nature Materials</i> , 2004, 3, 29-32.	13.3	276
21	Innovative Electrolytes Based on Ionic Liquids and Polymers for Next-Generation Solid-State Batteries. <i>Accounts of Chemical Research</i> , 2019, 52, 686-694.	7.6	276
22	Use of Ionic Liquids as Electrolytes in Electromechanical Actuator Systems Based on Inherently Conducting Polymers. <i>Chemistry of Materials</i> , 2003, 15, 2392-2398.	3.2	274
23	Electrolytes and Interphases in Sodium-Based Rechargeable Batteries: Recent Advances and Perspectives. <i>Advanced Energy Materials</i> , 2020, 10, 2000093.	10.2	254
24	Oxygen Reduction Reaction Activity of La-Based Perovskite Oxides in Alkaline Medium: A Thin-Film Rotating Ring-Disk Electrode Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5827-5834.	1.5	253
25	Organic ionic plastic crystals: recent advances. <i>Journal of Materials Chemistry</i> , 2010, 20, 2056.	6.7	247
26	Liquids intermediate between "molecular" and "ionic" liquids: Liquid Ion Pairs?. <i>Chemical Communications</i> , 2007, , 3817.	2.2	231
27	Novel Na ⁺ Ion Diffusion Mechanism in Mixed Organic-Inorganic Ionic Liquid Electrolyte Leading to High Na ⁺ Transference Number and Stable, High Rate Electrochemical Cycling of Sodium Cells.. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4276-4286.	1.5	209
28	Fast Charge/Discharge of Li Metal Batteries Using an Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1629-A1637.	1.3	208
29	High Capacity, Safety, and Enhanced Cyclability of Lithium Metal Battery Using a V ₂ O ₅ Nanomaterial Cathode and Room Temperature Ionic Liquid Electrolyte. <i>Chemistry of Materials</i> , 2008, 20, 7044-7051.	3.2	205
30	Electrochemistry at Negative Potentials in Bis(trifluoromethanesulfonyl)amide Ionic Liquids. <i>Zeitschrift Fur Physikalische Chemie</i> , 2006, 220, 1483-1498.	1.4	200
31	Direct electro-deposition of graphene from aqueous suspensions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9187.	1.3	197
32	Ambient Temperature Plastic Crystal Electrolyte for Efficient, All-Solid-State Dye-Sensitized Solar Cell. <i>Journal of the American Chemical Society</i> , 2004, 126, 13590-13591.	6.6	196
33	Electrochemical synthesis of polypyrrole in ionic liquids. <i>Polymer</i> , 2004, 45, 1447-1453.	1.8	191
34	Ion diffusion in molten salt mixtures. <i>Electrochimica Acta</i> , 2000, 45, 1279-1284.	2.6	190
35	The Zwitterion Effect in Ionic Liquids: Towards Practical Rechargeable Lithium-Metal Batteries. <i>Advanced Materials</i> , 2005, 17, 2497-2501.	11.1	189
36	Platinum electrodeposition for polymer electrolyte membrane fuel cells. <i>Electrochimica Acta</i> , 2001, 46, 1657-1663.	2.6	178

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37	On the components of the dielectric constants of ionic liquids: ionic polarization?. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2452.	1.3	171
38	Unexpected improvement in stability and utility of cytochrome c by solution in biocompatible ionic liquids. <i>Biotechnology and Bioengineering</i> , 2006, 94, 1209-1213.	1.7	169
39	Corrosion of magnesium alloy ZE41 – The role of microstructural features. <i>Corrosion Science</i> , 2009, 51, 387-394.	3.0	162
40	Ordering and stability in conducting polypyrrole. <i>Synthetic Metals</i> , 1998, 94, 215-219.	2.1	161
41	Physical properties of high Li-ion content N-propyl-N-methylpyrrolidinium bis(fluorosulfonyl)imide based ionic liquid electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4656-4663.	1.3	159
42	N-methyl-N-alkylpyrrolidinium tetrafluoroborate salts: ionic solvents and solid electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1753-1757.	2.6	156
43	Engineering high-energy-density sodium battery anodes for improved cycling with superconcentrated ionic-liquid electrolytes. <i>Nature Materials</i> , 2020, 19, 1096-1101.	13.3	156
44	Ionic liquids and reactions at the electrochemical interface. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1659.	1.3	155
45	Structure and Transport Properties of a Plastic Crystal Ion Conductor: Diethyl(methyl)(isobutyl)phosphonium Hexafluorophosphate. <i>Journal of the American Chemical Society</i> , 2012, 134, 9688-9697.	6.6	154
46	Ionic Liquids as Antiwear Additives in Base Oils: Influence of Structure on Miscibility and Antiwear Performance for Steel on Aluminum. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11544-11553.	4.0	154
47	Toward High-Energy-Density Lithium Metal Batteries: Opportunities and Challenges for Solid Organic Electrolytes. <i>Advanced Materials</i> , 2020, 32, e1905219.	11.1	154
48	Solid state actuators based on polypyrrole and polymer-in-ionic liquid electrolytes. <i>Electrochimica Acta</i> , 2003, 48, 2355-2359.	2.6	150
49	Transport properties in a family of dialkylimidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1758-1765.	1.3	148
50	Novel halogen-free chelated orthoborate-phosphonium ionic liquids: synthesis and tribophysical properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12865.	1.3	147
51	Lithium electrochemistry and cycling behaviour of ionic liquids using cyano based anions. <i>Energy and Environmental Science</i> , 2013, 6, 979.	15.6	146
52	Homochiral MOF-Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16928-16935.	7.2	141
53	The effect of nano-particle TiO ₂ fillers on structure and transport in polymer electrolytes. <i>Solid State Ionics</i> , 2002, 147, 203-211.	1.3	140
54	Lithium doped N-methyl-N-ethylpyrrolidinium bis(trifluoromethanesulfonyl)amide fast-ion conducting plastic crystals. <i>Journal of Materials Chemistry</i> , 2000, 10, 2259-2265.	6.7	139

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55	Fast ion conduction in molecular plastic crystals. <i>Solid State Ionics</i> , 2003, 161, 105-112.	1.3	139
56	N-Methyl-N-alkylpyrrolidinium Hexafluorophosphate Salts: Novel Molten Salts and Plastic Crystal Phases. <i>Chemistry of Materials</i> , 2001, 13, 558-564.	3.2	137
57	High current density, efficient cycling of Zn ²⁺ in 1-ethyl-3-methylimidazolium dicyanamide ionic liquid: The effect of Zn ²⁺ salt and water concentration. <i>Electrochemistry Communications</i> , 2012, 18, 119-122.	2.3	136
58	A Biodegradable Thin-Film Magnesium Primary Battery Using Silk Fibroin Ionic Liquid Polymer Electrolyte. <i>ACS Energy Letters</i> , 2017, 2, 831-836.	8.8	134
59	Protic ionic liquids based on the dimeric and oligomeric anions: [(AcO) _x Hx ⁻¹] ⁻ . <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2972.	1.3	129
60	The influence of the monomer and the ionic liquid on the electrochemical preparation of polythiophene. <i>Polymer</i> , 2005, 46, 2047-2058.	1.8	128
61	Ionic liquid electrolytes as a platform for rechargeable metal-air batteries: a perspective. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18658-18674.	1.3	128
62	Physical trends and structural features in organic salts of the thiocyanate anion. <i>Journal of Materials Chemistry</i> , 2002, 12, 3475-3480.	6.7	124
63	From Solid Solution Electrodes and the Rocking Chair Concept to Today's Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 534-538.	7.2	124
64	Toward protic ionic liquid and organic ionic plastic crystal electrolytes for fuel cells. <i>Electrochimica Acta</i> , 2012, 84, 213-222.	2.6	123
65	Electrochemical and physicochemical properties of small phosphonium cation ionic liquid electrolytes with high lithium salt content. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8706-8713.	1.3	123
66	Synergistic Corrosion Inhibition of Mild Steel in Aqueous Chloride Solutions by an Imidazolium Carboxylate Salt. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1746-1755.	3.2	123
67	Lithium ion mobility in poly(vinyl alcohol) based polymer electrolytes as determined by ⁷ Li NMR spectroscopy. <i>Electrochimica Acta</i> , 1998, 43, 1465-1469.	2.6	122
68	An organic ionic plastic crystal electrolyte for rate capability and stability of ambient temperature lithium batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3352-3361.	15.6	122
69	Microscopic Interactions in Nanocomposite Electrolytes. <i>Macromolecules</i> , 2001, 34, 4549-4555.	2.2	121
70	Ionic Liquid Mixtures: Variations in Physical Properties and Their Origins in Molecular Structure. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8251-8258.	1.2	121
71	Structural studies of ambient temperature plastic crystal ion conductors. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8257-8267.	0.7	120
72	Acid-Organic base swollen polymer membranes. <i>Electrochimica Acta</i> , 2001, 46, 1703-1708.	2.6	120

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73	Properties of sodium-based ionic liquid electrolytes for sodium secondary battery applications. <i>Electrochimica Acta</i> , 2013, 114, 766-771.	2.6	119
74	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2000, 30, 641-646.	1.5	117
75	Polymeric ionic liquids for lithium-based rechargeable batteries. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 294-309.	1.7	114
76	Incorporation of Homochirality into a Zeolitic Imidazolate Framework Membrane for Efficient Chiral Separation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17130-17134.	7.2	113
77	Solid-state rigid-rod polymer composite electrolytes with nanocrystalline lithium ion pathways. <i>Nature Materials</i> , 2021, 20, 1255-1263.	13.3	110
78	Methanesulfonate and p-toluenesulfonate salts of the N-methyl-N-alkylpyrrolidinium and quaternary ammonium cations: novel low cost ionic liquids. <i>Green Chemistry</i> , 2002, 4, 223-229.	4.6	109
79	Preparation and characterization of gel polymer electrolytes using poly(ionic liquids) and high lithium salt concentration ionic liquids. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23844-23852.	5.2	109
80	Ionic Liquids and Organic Ionic Plastic Crystals: Advanced Electrolytes for Safer High Performance Sodium Energy Storage Technologies. <i>Advanced Energy Materials</i> , 2018, 8, 1703491.	10.2	109
81	Poly(Ionic Liquid)s-in-Salt Electrolytes with Co-coordination-Assisted Lithium-Ion Transport for Safe Batteries. <i>Joule</i> , 2019, 3, 2687-2702.	11.7	108
82	Cerium Dibutylphosphate as a Corrosion Inhibitor for AA2024-T3 Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2006, 153, B392.	1.3	107
83	Conducting Polymer Composite Materials for Hydrogen Generation. <i>Advanced Materials</i> , 2010, 22, 1727-1730.	11.1	105
84	Conductivity in amorphous polyether nanocomposite materials. <i>Solid State Ionics</i> , 1999, 126, 269-276.	1.3	103
85	Inhibition of AA2024-T3 on a Phase-by-Phase Basis Using an Environmentally Benign Inhibitor, Cerium Dibutyl Phosphate. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, C180.	2.2	102
86	Transport Properties in Ionic Liquids and Ionic Liquid Mixtures: The Challenges of NMR Pulsed Field Gradient Diffusion Measurements. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9018-9024.	1.2	102
87	Corrosion inhibition of 7000 series aluminium alloys with cerium diphenyl phosphate. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1683-1690.	2.8	102
88	Organic Ionic Plastic Crystals as Solid-State Electrolytes. <i>Trends in Chemistry</i> , 2019, 1, 126-140.	4.4	102
89	ATR characterisation of synergistic corrosion inhibition of mild steel surfaces by cerium salicylate. <i>Corrosion Science</i> , 2002, 44, 2651-2656.	3.0	101
90	Synthesis and properties of ambient temperature molten salts based on the quaternary ammonium ion. <i>Ionics</i> , 1997, 3, 356-362.	1.2	100

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91	Organic ionic plastic crystal electrolytes; a new class of electrolyte for high efficiency solid state dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 2234.	15.6	99
92	Ionic liquids and organic ionic plastic crystals utilizing small phosphonium cations. <i>Journal of Materials Chemistry</i> , 2011, 21, 7640.	6.7	99
93	Biocompatible Ionic Liquidâ€“Biopolymer Electrolyte-Enabled Thin and Compact Magnesiumâ€“Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21110-21117.	4.0	99
94	A study of 4-carboxyphenylboronic acid as a corrosion inhibitor for steel in carbon dioxide containing environments. <i>Corrosion Science</i> , 2013, 76, 257-266.	3.0	97
95	New dimensions in saltâ€“solvent mixtures: a 4th evolution of ionic liquids. <i>Faraday Discussions</i> , 2017, 206, 9-28.	1.6	96
96	Structure-property relationships in plasticized solid polymer electrolytes. <i>Electrochimica Acta</i> , 1995, 40, 2131-2136.	2.6	95
97	Enhancement of ion dynamics in PMMA-based gels with addition of TiO2 nano-particles. <i>Electrochimica Acta</i> , 2003, 48, 2099-2103.	2.6	95
98	Transport properties of ionic liquid electrolytes with organic diluents. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7202.	1.3	93
99	Exceptional durability enhancement of PA/PBI based polymer electrolyte membrane fuel cells for high temperature operation at 200 Â°C. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4019-4024.	5.2	93
100	Corrosion protection of AA2024-T3 using rare earth diphenyl phosphates. <i>Electrochimica Acta</i> , 2007, 52, 4024-4031.	2.6	92
101	Ionic liquid electrolyte porphyrin dye sensitised solar cells. <i>Chemical Communications</i> , 2010, 46, 3146.	2.2	92
102	Ionic Liquid Electrolyte for Lithium Metal Batteries: Physical, Electrochemical, and Interfacial Studies of <i>N</i> -Methyl- <i>N</i> -butylmorpholinium Bis(fluorosulfonyl)imide. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21775-21785.	1.5	92
103	Ultra-stable all-solid-state sodium metal batteries enabled by perfluoropolyether-based electrolytes. <i>Nature Materials</i> , 2022, 21, 1057-1065.	13.3	92
104	Weak intermolecular interactions in sulfonamide salts: structure of 1-ethyl-2-methyl-3-benzyl imidazolium bis[(trifluoromethyl)sulfonyl]amide. <i>Chemical Communications</i> , 1998, , 1593-1594.	2.2	91
105	Structural Characterization of Novel Ionic Materials Incorporating the Bis(trifluoromethanesulfonyl)amide Anion. <i>Chemistry of Materials</i> , 2002, 14, 2103-2108.	3.2	90
106	Inorganic-Organic Ionic Liquid Electrolytes Enabling High Energy-Density Metal Electrodes for Energy Storage. <i>Electrochimica Acta</i> , 2016, 220, 609-617.	2.6	90
107	Poly(ethylene oxide carbonates) solid polymer electrolytes for lithium batteries. <i>Electrochimica Acta</i> , 2018, 264, 367-375.	2.6	90
108	Synthesis and physical property characterisation of phosphonium ionic liquids based on P(O)2(OR)2â” and P(O)2(R)2â” anions with potential application for corrosion mitigation of magnesium alloys. <i>Electrochimica Acta</i> , 2008, 54, 254-260.	2.6	89

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109	A comparison of phosphorus and fluorine containing IL lubricants for steel on aluminium. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8224.	1.3	89
110	Ionogels based on ionic liquids as potential highly conductive solid state electrolytes. <i>Electrochimica Acta</i> , 2013, 91, 219-226.	2.6	87
111	Physicochemical properties of N-propyl-N-methylpyrrolidinium bis(fluorosulfonyl)imide for sodium metal battery applications. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12350-12355.	1.3	87
112	Role of Li Concentration and the SEI Layer in Enabling High Performance Li Metal Electrodes Using a Phosphonium Bis(fluorosulfonyl)imide Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21087-21095.	1.5	87
113	Polymer-in-ionic-liquid electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1906-1911.	1.1	83
114	An Ionic Liquid Surface Treatment for Corrosion Protection of Magnesium Alloy AZ31. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, B52.	2.2	83
115	The behaviour of praseodymium 4-hydroxycinnamate as an inhibitor for carbon dioxide corrosion and oxygen corrosion of steel in NaCl solutions. <i>Corrosion Science</i> , 2014, 80, 128-138.	3.0	83
116	A review of ionic liquid surface film formation on Mg and its alloys for improved corrosion performance. <i>Electrochimica Acta</i> , 2013, 110, 501-510.	2.6	82
117	High-energy density room temperature sodium-sulfur battery enabled by sodium polysulfide catholyte and carbon cloth current collector decorated with MnO ₂ nanoarrays. <i>Energy Storage Materials</i> , 2019, 20, 196-202.	9.5	82
118	Broadband dielectric response of the ionic liquid N-methyl-N-ethylpyrrolidinium dicyanamide. <i>Chemical Communications</i> , 2006, , 1748-1750.	2.2	80
119	New Insights into the Fundamental Chemical Nature of Ionic Liquid Film Formation on Magnesium Alloy Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1045-1052.	4.0	80
120	NMR and Raman studies of a novel fast-ion-conducting polymer-in-salt electrolyte based on LiCF ₃ SO ₃ and PAN. <i>Electrochimica Acta</i> , 2000, 45, 1237-1242.	2.6	79
121	Towards a Better Understanding of 'Delocalized Charge' in Ionic Liquid Anions. <i>Australian Journal of Chemistry</i> , 2007, 60, 15.	0.5	79
122	Exploring corrosion protection of Mg via ionic liquid pretreatment. <i>Surface and Coatings Technology</i> , 2007, 201, 4496-4504.	2.2	79
123	Ion transport in polymer electrolytes containing nanoparticulate TiO ₂ : The influence of polymer morphology. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 720-725.	1.3	78
124	Transport Properties and Phase Behaviour in Binary and Ternary Ionic Liquid Electrolyte Systems of Interest in Lithium Batteries. <i>ChemPhysChem</i> , 2011, 12, 823-827.	1.0	78
125	Microstructure and corrosion of AA2024. <i>Corrosion Reviews</i> , 2015, 33, 1-30.	1.0	78
126	New, environmentally friendly, rare earth carboxylate corrosion inhibitors for mild steel. <i>Corrosion Science</i> , 2018, 139, 430-437.	3.0	78

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127	Stoichiometric changes in lithium conducting materials based on $\text{Li}_{1+x}\text{Al}_x\text{Ti}_{2-x}(\text{PO}_4)_3$: impedance, X-ray and NMR studies. <i>Solid State Ionics</i> , 2000, 136-137, 339-344.	1.3	77
128	The nature of the surface film on steel treated with cerium and lanthanum cinnamate based corrosion inhibitors. <i>Corrosion Science</i> , 2006, 48, 404-419.	3.0	77
129	Spectroscopic Characterization of the SEI Layer Formed on Lithium Metal Electrodes in Phosphonium Bis(fluorosulfonyl)imide Ionic Liquid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6719-6729.	4.0	77
130	Effectiveness of Rare-Earth Metal Compounds as Corrosion Inhibitors for Steel. <i>Corrosion</i> , 2002, 58, 953-960.	0.5	76
131	Chelating ionic liquids for reversible zinc electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7191.	1.3	76
132	Applications of scanning electrochemical microscopy (SECM) for local characterization of AZ31 surface during corrosion in a buffered media. <i>Corrosion Science</i> , 2014, 86, 93-100.	3.0	75
133	Glass transition and free volume behaviour of poly(acrylonitrile)/LiCF ₃ SO ₃ polymer-in-salt electrolytes compared to poly(ether urethane)/LiClO ₄ solid polymer electrolytes. <i>Electrochimica Acta</i> , 2000, 45, 1243-1247.	2.6	74
134	Conductivity, NMR and crystallographic study of N,N,N,N-tetramethylammonium dicyanamide plastic crystal phases: an archetypal ambient temperature plastic electrolyte material. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2692.	1.3	74
135	Ionic Liquid-Based Rechargeable Lithium Metal-Polymer Cells Assembled with Polyaniline/Carbon Nanotube Composite Cathode. <i>Journal of the Electrochemical Society</i> , 2007, 154, A834.	1.3	74
136	Na-Ion Solvation and High Transference Number in Superconcentrated Ionic Liquid Electrolytes: A Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2018, 122, 105-114.	1.5	74
137	Compositional dependence of free volume in PAN/LiCF ₃ SO ₃ polymer-in-salt electrolytes and the effect on ionic conductivity. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 341-350.	2.4	73
138	Corrosion of heat treated magnesium alloy ZE41. <i>Corrosion Science</i> , 2011, 53, 3299-3308.	3.0	73
139	New 'Green' Corrosion Inhibitors Based on Rare Earth Compounds. <i>Australian Journal of Chemistry</i> , 2011, 64, 812.	0.5	72
140	Elucidation of transport mechanism and enhanced alkali ion transference numbers in mixed alkali metal-organic ionic molten salts. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19336-19344.	1.3	72
141	Novel high salt content polymer electrolytes based on high T _g polymers. <i>Electrochimica Acta</i> , 2000, 45, 1249-1254.	2.6	71
142	Nickel sulfide cathode in combination with an ionic liquid-based electrolyte for rechargeable lithium batteries. <i>Solid State Ionics</i> , 2008, 179, 2379-2382.	1.3	71
143	Inhibition of Corrosion on AA2024-T3 by New Environmentally Friendly Rare Earth Organophosphate Compounds. <i>Corrosion</i> , 2008, 64, 191-197.	0.5	71
144	A biocompatible ionic liquid as an antiwear additive for biodegradable lubricants. <i>Tribology International</i> , 2014, 77, 171-177.	3.0	71

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145	Corrosion Mitigation of Mild Steel by New Rare Earth Cinnamate Compounds. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 591-599.	1.5	70
146	Highly Conductive and Thermally Stable Ion Gels with Tunable Anisotropy and Modulus. <i>Advanced Materials</i> , 2016, 28, 2571-2578.	11.1	70
147	Investigation of the electropolymerisation of EDOT in ionic liquids. <i>Synthetic Metals</i> , 2005, 153, 257-260.	2.1	69
148	Li-Metal Symmetrical Cell Studies Using Ionic Organic Plastic Crystal Electrolyte. <i>Advanced Engineering Materials</i> , 2009, 11, 1044-1048.	1.6	69
149	Aluminium Speciation in 1-Butyl-1-Methylpyrrolidinium Bis(trifluoromethylsulfonyl)amide/AlCl ₃ Mixtures. <i>Chemistry - A European Journal</i> , 2009, 15, 3435-3447.	1.7	69
150	Lithium doped N,N-dimethyl pyrrolidinium tetrafluoroborate organic ionic plastic crystal electrolytes for solid state lithium batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 10171.	6.7	69
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