

# 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	Zwitterionic materials with disorder and plasticity and their application as non-volatile solid or liquid electrolytes. <i>Nature Materials</i> , 2022, 21, 228-236.	13.3	55
2	Modelling cetrimonium micelles as 4-OH cinnamate carriers targeting a hydrated iron oxide surface. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 785-795.	5.0	4
3	Proton transport of porous triazole-grafted polysulfone membranes for high temperature polymer electrolyte membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8492-8501.	3.8	13
4	Incorporation of a Coumarate Based Corrosion Inhibitor in Waterborne Polymeric Binders for Corrosion Protection Applications. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	4
5	Factors controlling the physical properties of an organic ionic plastic crystal. <i>Materials Today Physics</i> , 2022, 22, 100603.	2.9	9
6	Unveiling the Impact of the Cations and Anions in Ionic Liquid/Glyme Hybrid Electrolytes for Na <sup>+</sup> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4022-4034.	4.0	9
7	Single-ion polymer/LLZO hybrid electrolytes with high lithium conductivity. <i>Materials Advances</i> , 2022, 3, 1139-1151.	2.6	8
8	Efficiency of a Novel Multifunctional Corrosion Inhibitor Against Biofilms Developed on Carbon Steel. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 803559.	2.0	8
9	Highly Selective and Tunable CO <sub>2</sub> /N <sub>2</sub> Separation Performance in Ammonium-Based Organic Ionic Plastic Crystal Composite Membranes with Self-Healing Properties. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1487-1496.	2.0	5
10	Interphase control for high performance lithium metal batteries using ether aided ionic liquid electrolyte. <i>Energy and Environmental Science</i> , 2022, 15, 1907-1919.	15.6	62
11	Mixed Ionic-Electronic Conductors Based on Polymer Composites. <i>Engineering Materials</i> , 2022, , 493-532.	0.3	4
12	Ion Transport in Li-Doped Triethyl(methyl)phosphonium Tetrafluoroborate (Li-[P <sub>1222</sub> ][BF <sub>4</sub> ]) Impregnated with PVDF Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3839-3852.	1.5	9
13	Engineering Advanced Environmentally Friendly Corrosion Inhibitors, Their Mechanisms, and Biological Effects in Live Zebrafish Embryos. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2960-2970.	3.2	13
14	High-Performance Cycling of Na Metal Anodes in Phosphonium and Pyrrolidinium Fluoro(sulfonyl)imide Based Ionic Liquid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15784-15798.	4.0	24
15	Morphological Evolution and Solid-Electrolyte Interphase Formation on Li <sub>0.6</sub> Mn <sub>0.2</sub> Co <sub>0.2</sub> O <sub>2</sub> Cathodes Using Highly Concentrated Ionic Liquid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13196-13205.	4.0	9
16	Fast Charge and High Stability of Solid-State Graphite Organic Ionic Plastic Crystal Composite Anodes. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	5
17	Toward High-Voltage Solid-State Li-Metal Batteries with Double-Layer Polymer Electrolytes. <i>ACS Energy Letters</i> , 2022, 7, 1473-1480.	8.8	55
18	Stable and Efficient Lithium Metal Anode Cycling through Understanding the Effects of Electrolyte Composition and Electrode Preconditioning. <i>Chemistry of Materials</i> , 2022, 34, 165-177.	3.2	22

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19	Mixed ionic and electronic conducting binders containing PEDOT:PSS and organic ionic plastic crystals toward carbon-free solid-state battery cathodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19777-19786.	5.2	18
20	Thermal, structural and dynamic properties of ionic liquids and organic ionic plastic crystals with a small ether-functionalised cation. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1437-1455.	3.2	8
21	Anion $\pi$ - $\pi$ Stacking for Improved Lithium Transport in Polymer Electrolytes. <i>Journal of the American Chemical Society</i> , 2022, 144, 9806-9816.	6.6	28
22	Enhancing Biocide Efficacy: Targeting Extracellular DNA for Marine Biofilm Disruption. <i>Microorganisms</i> , 2022, 10, 1227.	1.6	2
23	Sustainable Free-standing Electrode from Biomass Waste for Sodium-ion Batteries. <i>ChemElectroChem</i> , 2022, 9, .	1.7	10
24	Cover Picture: Fast Charge and High Stability of Solid-state Graphite Organic Ionic Plastic Crystal Composite Anodes (Batteries & Supercaps 7/2022). <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	1
25	Extracellular DNA: A Critical Aspect of Marine Biofilms. <i>Microorganisms</i> , 2022, 10, 1285.	1.6	2
26	Ultra-stable all-solid-state sodium metal batteries enabled by perfluoropolyether-based electrolytes. <i>Nature Materials</i> , 2022, 21, 1057-1065.	13.3	92
27	Study of Ion Transport in Novel Protic Polymerized Ionic Liquids and Composites. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	5
28	Unravelling the Role of Speciation in Glyme:Ionic Liquid Hybrid Electrolytes for $\text{Na}^{\sim}\text{O}_{2}$ Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 513-521.	2.4	8
29	Anion-cation interactions in novel ionic liquids based on an asymmetric sulfonimide anion observed by NMR and MD simulations. <i>Journal of Molecular Liquids</i> , 2021, 327, 114879.	2.3	6
30	Electrochemical and Surface Characterization Study on the Corrosion Inhibition of Mild Steel 1030 by the Cationic Surfactant Cetrimonium Trans-4-hydroxy-cinnamate. <i>ACS Omega</i> , 2021, 6, 1941-1952.	1.6	9
31	Approach to Increase the Utilization of Active Material in a High Sulfur-Loaded Cathode for High Areal Capacity Room-Temperature Sodium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 384-393.	2.5	11
32	SEI Formation on Sodium Metal Electrodes in Superconcentrated Ionic Liquid Electrolytes and the Effect of Additive Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 5706-5720.	4.0	34
33	Fluorine-free ionic liquid electrolytes for sustainable neodymium recovery using an electrochemical approach. <i>Green Chemistry</i> , 2021, 23, 3410-3419.	4.6	22
34	Flame retardant polyphosphoester copolymers as solid polymer electrolyte for lithium batteries. <i>Polymer Chemistry</i> , 2021, 12, 3441-3450.	1.9	23
35	Functional Binders Based on Polymeric Ionic Liquids for Sodium Oxygen Batteries Using Ionic Liquid Electrolytes. <i>ACS Applied Energy Materials</i> , 2021, 4, 434-444.	2.5	11
36	A novel approach to improve the oil miscibility and incorporate multifunctionality in ionic liquids as lubricant additives. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3429-3440.	1.3	9

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37	Tuning Electronic and Ionic Conductivities in Composite Materials for Electrochemical Devices. ACS Applied Polymer Materials, 2021, 3, 1777-1784.	2.0	12
38	Design of Polymeric Corrosion Inhibitors Based on Ionic Coumarate Groups. ACS Applied Polymer Materials, 2021, 3, 1739-1746.	2.0	10
39	Composite electrolytes based on electrospun PVDF and ionic plastic crystal matrices for Na-metal battery applications. JPhys Materials, 2021, 4, 034003.	1.8	9
40	Phase behavior and electrochemical properties of solid lithium electrolytes based on N-ethyl-N-methylpyrrolidinium bis(fluorosulfonyl)imide and PVdF composites. Solid State Ionics, 2021, 363, 115588.	1.3	7
41	Solid-state rigid-rod polymer composite electrolytes with nanocrystalline lithium ion pathways. Nature Materials, 2021, 20, 1255-1263.	13.3	110
42	Understanding the Role of Separator and Electrolyte Compatibility on Lithium Metal Anode Performance Using Ionic Liquid-Based Electrolytes. ACS Applied Energy Materials, 2021, 4, 6310-6323.	2.5	12
43	Highly conductive ionogel electrolytes based on N-ethyl-N-methylpyrrolidinium bis(fluorosulfonyl)imide FSI and NaFSI mixtures and their applications in sodium batteries. JPhys Materials, 2021, 4, 044005.	1.8	12
44	Tuning the Formation and Structure of the Silicon Electrode/Ionic Liquid Electrolyte Interphase in Superconcentrated Ionic Liquids. ACS Applied Materials & Interfaces, 2021, 13, 28281-28294.	4.0	21
45	Short Chain Imidazolium Ionic Liquids: Synthesis and Oil Miscibility in Various Base Oil by use of Surfactant as High Performance Friction and Antiwear Lubricant Additive. Tribology Letters, 2021, 69, 1.	1.2	6
46	Unraveling Ion Dynamics and Interactions in an Ionic Liquid Electrolyte with a Protonated Anion for Lithium Batteries. Journal of Physical Chemistry C, 2021, 125, 14818-14826.	1.5	2
47	Tuning Proton Exchange and Transport in Protic Ionic Liquid Solution through Anion Chemistry. Journal of Physical Chemistry Letters, 2021, 12, 5552-5557.	2.1	9
48	Stabilisation of the superoxide anion in bis(fluorosulfonyl)imide (FSI) ionic liquid by small chain length phosphonium cations: Voltammetric, DFT modelling and spectroscopic perspectives. Electrochemistry Communications, 2021, 127, 107029.	2.3	4
49	Anion-Derived Solid-Electrolyte Interphase Enables Long Life Na-Ion Batteries Using Superconcentrated Ionic Liquid Electrolytes. ACS Energy Letters, 2021, 6, 2481-2490.	8.8	52
50	Investigation of Unusual Conductivity Behavior and Ion Dynamics in Hexamethylguanidinium Bis(fluorosulfonyl)imide-Based Electrolytes for Sodium Batteries. Journal of Physical Chemistry C, 2021, 125, 12518-12530.	1.5	15
51	Improving Cycle Life through Fast Formation Using a Superconcentrated Phosphonium Based Ionic Liquid Electrolyte for Anode-Free and Lithium Metal Batteries. ACS Applied Energy Materials, 2021, 4, 6399-6407.	2.5	16
52	An Al-Cu Multielectrode Model for Studying Corrosion Inhibition with Praseodymium Mercaptoacetate at Intermetallic Particles in AA2024. Journal of the Electrochemical Society, 2021, 168, 071501.	1.3	3
53	Evaluation of a novel, multi-functional inhibitor compound for prevention of biofilm formation on carbon steel in marine environments. Scientific Reports, 2021, 11, 15697.	1.6	15
54	Lithium Borate Ester Salts for Electrolyte Application in Next-Generation High Voltage Lithium Batteries. Advanced Energy Materials, 2021, 11, 2101422.	10.2	34

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55	Study of phosphonium based ionic liquid/dispersant additive interactions using spectroscopic technique for lubricant applications. <i>Journal of Molecular Liquids</i> , 2021, 338, 116665.	2.3	8
56	Properties of hybrid sol-gel coatings with the incorporation of lanthanum 4-hydroxy cinnamate as corrosion inhibitor on carbon steel with different surface finishes. <i>Applied Surface Science</i> , 2021, 561, 149881.	3.1	33
57	Study of Proton Transport in Diethylmethylammonium Poly[4-styrenesulfonyl(trifluoromethylsulfonyl)imide]-Based Composite Membranes with Triflic Acid and Diethylmethylamine-Rich Compositions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11005-11016.	1.2	2
58	Influence of Counteranion on the Properties of Polymerized Ionic Liquids/Ionic Liquids Proton-Exchange Membranes. <i>ACS Applied Energy Materials</i> , 2021, 4, 10593-10602.	2.5	9
59	Sub-zero and room-temperature sodium-sulfur battery cell operations: A rational current collector, catalyst and sulphur-host design and study. <i>Energy Storage Materials</i> , 2021, 42, 608-617.	9.5	14
60	Anion effects on the properties of OIPC/PVDF composites. <i>Materials Advances</i> , 2021, 2, 1683-1694.	2.6	17
61	Predicting gas selectivity in organic ionic plastic crystals by free energy calculations. <i>RSC Advances</i> , 2021, 11, 19623-19629.	1.7	1
62	Application of super-concentrated phosphonium based ionic liquid electrolyte for anode-free lithium metal batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4141-4152.	2.5	11
63	Emerging iongel materials towards applications in energy and bioelectronics. <i>Materials Horizons</i> , 2021, 8, 3239-3265.	6.4	25
64	New Insights into Decoupled Cation and Anion Transport and Dynamic Heterogeneity in a Diethyl(methyl)(isobutyl)phosphonium Hexafluorophosphate Organic Ionic Plastic Crystal. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9853-9858.	2.1	10
65	Single-Ion Conducting Polymer Nanoparticles as Functional Fillers for Solid Electrolytes in Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54354-54362.	4.0	38
66	Development and Progression of Polymer Electrolytes for Batteries: Influence of Structure and Chemistry. <i>Polymers</i> , 2021, 13, 4127.	2.0	23
67	Ternary Poly(ethylene oxide)/Poly(lactide) PEO/PLA Blends as High-Temperature Solid Polymer Electrolytes for Lithium Batteries. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6326-6337.	2.0	19
68	Exploring the influence of the cation type and polymer support in bis(fluorosulfonyl)imide-based plastic crystal composite membranes for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26330-26344.	5.2	5
69	In Situ Investigation of Under-Deposit Microbial Corrosion and its Inhibition Using a Multi-Electrode Array System. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 803610.	2.0	6
70	Single-Ion Conducting Poly(Ethylene Oxide Carbonate) as Solid Polymer Electrolyte for Lithium Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 68-75.	2.4	37
71	Nanofiber-reinforced polymer electrolytes toward room temperature solid-state lithium batteries. <i>Journal of Power Sources</i> , 2020, 448, 227424.	4.0	34
72	Towards high rate Li metal anodes: enhanced performance at high current density in a superconcentrated ionic liquid. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3574-3579.	5.2	25

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73	Ion Vacancies and Transport in 1-Methylimidazolium Triflate Organic Ionic Plastic Crystal. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 510-515.	2.1	17
74	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. <i>Angewandte Chemie</i> , 2020, 132, 542-546.	1.6	28
75	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 534-538.	7.2	124
76	Ion interactions and dynamics in pseudohalide based ionic liquid electrolytes containing sodium solutes. <i>Journal of Molecular Liquids</i> , 2020, 303, 112597.	2.3	4
77	Solid (cyanomethyl)trimethylammonium salts for electrochemically stable electrolytes for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14721-14735.	5.2	9
78	Stable performance of an all-solid-state Li metal cell coupled with a high-voltage NCA cathode and ultra-high lithium content poly(ionic liquid)s-based polymer electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2479-2485.	1.2	13
79	Strongly Correlated Ion Dynamics in Plastic Ionic Crystals and Polymerized Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17889-17896.	1.5	22
80	Electrochemistry of Neodymium in Phosphonium Ionic Liquids: The Influence of Cation, Water Content, and Mixed Anions. <i>Australian Journal of Chemistry</i> , 2020, 73, 1080.	0.5	11
81	Mixed Ionic-Electronic Conductors Based on PEDOT:PolyDADMA and Organic Ionic Plastic Crystals. <i>Polymers</i> , 2020, 12, 1981.	2.0	15
82	Proton transport in crystalline, porous covalent organic frameworks: a NMR study. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20939-20945.	5.2	2
83	Correlating Electrochemical Behavior and Speciation in Neodymium Ionic Liquid Electrolyte Mixtures in the Presence of Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14047-14057.	3.2	21
84	Enhanced ion transport in an ether aided super concentrated ionic liquid electrolyte for long-life practical lithium metal battery applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18826-18839.	5.2	40
85	Corrosion Inhibition of Mild Steel by Cetrimonium trans-4-Hydroxy Cinnamate: Entrapment and Delivery of the Anion Inhibitor through Speciation and Micellar Formation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9886-9892.	2.1	13
86	Decoupled ion mobility in nano-confined ionic plastic crystal. <i>Materials Advances</i> , 2020, 1, 3398-3405.	2.6	4
87	Cation Effect in the Corrosion Inhibition Properties of Coumarate Ionic Liquids and Acrylic UV-Coatings. <i>Polymers</i> , 2020, 12, 2611.	2.0	9
88	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
89	Evolution of structural dimensions in mesoporous template precursor from hexagonal lyotropic liquid crystals. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 075101.	0.7	3
90	An investigation of commercial carbon air cathode structure in ionic liquid based sodium oxygen batteries. <i>Scientific Reports</i> , 2020, 10, 7123.	1.6	17

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91	Free-Radical Catalysis and Enhancement of the Redox Kinetics for Room-Temperature Sodium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2020, 5, 2112-2121.	8.8	45
92	Multifunctional Inhibitor Mixtures for Abating Corrosion on HY80 Steel under Marine Environments. <i>Journal of the Electrochemical Society</i> , 2020, 167, 021503.	1.3	5
93	Polymerized Ionic Liquid Block Copolymer Electrolytes for All-Solid-State Lithium-Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070525.	1.3	22
94	Effect of lanthanum 4-hydroxy cinnamate on the polymerisation, condensation and thermal stability of hybrid sol-gel formulations. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 96, 91-107.	1.1	9
95	A safe Li-Se battery in an ionic liquid-based electrolyte operating at 25-70 °C by using a N,S,O tri-doped mesoporous carbon host material. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2322-2332.	2.5	15
96	Stable High-Temperature Cycling of Na Metal Batteries on Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> Cathodes in NaFSI-Rich Organic Ionic Plastic Crystal Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2092-2100.	2.1	27
97	Highly Homogeneous Sodium Superoxide Growth in Na <sub>2</sub> O Batteries Enabled by a Hybrid Electrolyte. <i>ACS Energy Letters</i> , 2020, 5, 903-909.	8.8	16
98	Unprecedented Improvement of Single Li-Ion Conductive Solid Polymer Electrolyte Through Salt Additive. <i>Advanced Functional Materials</i> , 2020, 30, 2000455.	7.8	63
99	The influence of interfacial interactions on the conductivity and phase behaviour of organic ionic plastic crystal/polymer nanoparticle composite electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5350-5362.	5.2	26
100	Influence of the Cyclic versus Linear Carbonate Segments in the Properties and Performance of CO <sub>2</sub> -Sourced Polymer Electrolytes for Lithium Batteries. <i>ACS Applied Polymer Materials</i> , 2020, 2, 922-931.	2.0	36
101	Toward High-Energy-Density Lithium Metal Batteries: Opportunities and Challenges for Solid Organic Electrolytes. <i>Advanced Materials</i> , 2020, 32, e1905219.	11.1	154
102	Macrophase-Separated Organic Ionic Plastic Crystals/PAMPS-Based Ionomer Electrolyte: A New Design Perspective for Flexible and Highly Conductive Solid-State Electrolytes. <i>ACS Omega</i> , 2020, 5, 2931-2938.	1.6	4
103	Advances in the development of rare earth metal and carboxylate compounds as corrosion inhibitors for steel. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 311-321.	0.7	24
104	Preface JES Focus Issue on Challenges in Novel Electrolytes, Organic Materials, and Innovative Chemistries for Batteries in Honor of Michel Armand. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070001.	1.3	0
105	Electrolytes and Interphases in Sodium-Based Rechargeable Batteries: Recent Advances and Perspectives. <i>Advanced Energy Materials</i> , 2020, 10, 2000093.	10.2	254
106	Synthesis and Characteristics of Pyrrolidinium-Based Organic Ionic Plastic Crystals with Various Sulfonamide Anions. <i>Batteries and Supercaps</i> , 2020, 3, 884-891.	2.4	10
107	Weakly Coordinating Fluorine-Free Polysalt for Single Lithium-Ion Conductive Solid Polymer Electrolytes. <i>Batteries and Supercaps</i> , 2020, 3, 738-746.	2.4	14
108	A novel proton conducting ionogel electrolyte based on poly(ionic liquids) and protic ionic liquid. <i>Electrochimica Acta</i> , 2020, 346, 136224.	2.6	24

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109	Organic Ionic Plastic Crystal-Based Composite Membranes for Light Gas Separation: The Impact of Varying Ion Type and Casting Method. <i>ChemSusChem</i> , 2020, 13, 5740-5748.	3.6	7
110	Metal-free coumarate based ionic liquids and poly(ionic liquid)s as corrosion inhibitors. <i>Materials Advances</i> , 2020, 1, 584-589.	2.6	8
111	Water as a catalyst for ion transport across the electrical double layer in ionic liquids. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
112	Editors'™ Choice™ Understanding the Superior Cycling Performance of Si Anode in Highly Concentrated Phosphonium-Based Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2020, 167, 120520.	1.3	23
113	Electrochemical Formation in Super-Concentrated Phosphonium Based Ionic Liquid Electrolyte Using Symmetric Li-Metal Coin Cells. <i>Journal of the Electrochemical Society</i> , 2020, 167, 120526.	1.3	16
114	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5837-5848.	1.1	2
115	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5973-5984.	1.2	1
116	Controlling the Three-Phase Boundary in Na-Oxygen Batteries: The Synergy of Carbon Nanofibers and Ionic Liquid. <i>ChemSusChem</i> , 2019, 12, 4054-4063.	3.6	12
117	Poly(ionic liquid)s/Electrospun Nanofiber Composite Polymer Electrolytes for High Energy Density and Safe Li Metal Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6237-6245.	2.5	63
118	Monovalent Cation-Phenolic Crystals with pH-Driven Reversible Crystal Transformation. <i>Chemistry - A European Journal</i> , 2019, 25, 12281-12287.	1.7	11
119	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17063-17074.	1.5	1
120	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4051-4062.	2.1	2
121	Suppressed Mobility of Negative Charges in Polymer Electrolytes with an Ether-Functionalized Anion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12070-12075.	7.2	61
122	Suppressed Mobility of Negative Charges in Polymer Electrolytes with an Ether-Functionalized Anion. <i>Angewandte Chemie</i> , 2019, 131, 12198-12203.	1.6	22
123	High Coulombic Efficiency Na-O <sub>2</sub> Batteries Enabled by a Bilayer Ionogel/Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7050-7055.	2.1	11
124	Tuning Sodium Interfacial Chemistry with Mixed-Anion Ionic Liquid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43093-43106.	4.0	36
125	Biodegradable Conducting Polymer Coating to Mitigate Early Stage Degradation of Magnesium in Simulated Biological Fluid: An Electrochemical Mechanistic Study. <i>ChemElectroChem</i> , 2019, 6, 4893-4901.	1.7	3
126	Homochiral MOF-Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie</i> , 2019, 131, 17084-17091.	1.6	31



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127	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
128	Toward Practical Li Metal Batteries: Importance of Separator Compatibility Using Ionic Liquid Electrolytes. <i>ACS Applied Energy Materials</i> , 2019, 2, 6655-6663.	2.5	29
129	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
130	Leaching Behavior and Corrosion Inhibition of a Rare Earth Carboxylate Incorporated Epoxy Coating System. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36154-36168.	4.0	26
131	UV-Cross-Linked Ionogels for All-Solid-State Rechargeable Sodium Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6960-6966.	2.5	25
132	Polymeric ionic liquids for lithium-based rechargeable batteries. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 294-309.	1.7	114
133	Supported Ionic Liquid Gel Membrane Electrolytes for a Safe and Flexible Sodium Metal Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3722-3726.	3.2	56
134	Self-assembled structure and dynamics of imidazolium-based protic salts in water solution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2691-2696.	1.3	6
135	The effect of ageing on cathodic protection shielding by fusion bonded epoxy coatings. <i>Progress in Organic Coatings</i> , 2019, 134, 58-65.	1.9	16
136	Organic Ionic Plastic Crystals as Solid-State Electrolytes. <i>Trends in Chemistry</i> , 2019, 1, 126-140.	4.4	102
137	A New Emerging Technology: Na-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1900184.	4.6	37
138	Poly(ionic liquid) iongel membranes for all solid-state rechargeable sodium battery. <i>Journal of Membrane Science</i> , 2019, 582, 435-441.	4.1	49
139	Sustainable, Dendrite Free Lithium-Metal Electrode Cycling Achieved with Polymer Composite Electrolytes Based on a Poly(ionic Liquid) Host. <i>Batteries and Supercaps</i> , 2019, 2, 229-239.	2.4	35
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