David Mecerreyes

List of Publications by Year
in descending order

331 papers	22,036 citations	10650 74 h-index	15253 130 g-index
336 all docs	336 docs citations	336 times ranked	19980 citing authors

#	Article	IF	Citations
1	Ionic liquid/poly(ionic liquid) membranes as non-flowing, conductive materials for electrochemical gas sensing. Analytica Chimica Acta, 2022, 1195, 339414.	2.6	6
2	Single-ion polymer/LLZO hybrid electrolytes with high lithium conductivity. Materials Advances, 2022, 3, 1139-1151.	2.6	8
3	Designing Boronâ€Based Singleâ€Ion Gel Polymer Electrolytes for Lithium Batteries by Photopolymerization. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	5
4	Green electrolyte-based organic electronic devices. , 2022, , 281-295.		5
5	Fast Visible-Light Photopolymerization in the Presence of Multiwalled Carbon Nanotubes: Toward 3D Printing Conducting Nanocomposites. ACS Macro Letters, 2022, 11, 303-309.	2.3	24
6	Iongel Soft Solid Electrolytes Based on [DEME][TFSI] Ionic Liquid for Low Polarization Lithiumâ€O‹sub›2‹/sub› Batteries. Batteries and Supercaps, 2022, 5, .	2.4	4
7	Mixed Ionic and Electronic Conducting Eutectogels for 3Dâ€Printable Wearable Sensors and Bioelectrodes. Advanced Materials Technologies, 2022, 7, .	3.0	40
8	Singleâ€Ion Lithium Conducting Polymers with High Ionic Conductivity Based on Borate Pendant Groups. Angewandte Chemie, 2022, 134, .	1.6	8
9	Singleâ€Ion Lithium Conducting Polymers with High Ionic Conductivity Based on Borate Pendant Groups. Angewandte Chemie - International Edition, 2022, 61, e202114024.	7.2	19
10	Thioether-based ROS responsive polymers for biomedical applications. Journal of Materials Chemistry B, 2022, 10, 7206-7221.	2.9	32
11	Self-healable dynamic poly(urea-urethane) gel electrolyte for lithium batteries. Journal of Materials Chemistry A, 2022, 10, 12588-12596.	5.2	42
12	Gelatin and Tannic Acid Based Iongels for Muscle Activity Recording and Stimulation Electrodes. ACS Biomaterials Science and Engineering, 2022, 8, 2598-2609.	2.6	12
13	Natural Deep Eutectic Solvents Based on Choline Chloride and Phenolic Compounds as Efficient Bioadhesives and Corrosion Protectors. ACS Sustainable Chemistry and Engineering, 2022, 10, 8135-8142.	3.2	27
14	A 3D bioelectrical interface to assess colorectal cancer progression inÂvitro. Materials Today Chemistry, 2022, 24, 100990.	1.7	3
15	From plastic waste to new materials for energy storage. Polymer Chemistry, 2022, 13, 4222-4229.	1.9	6
16	Chemically recyclable glycerol-biobased polyether thermosets. European Polymer Journal, 2021, 143, 110174.	2.6	10
17	High-performance all-organic aqueous batteries based on a poly(imide) anode and poly(catechol) cathode. Journal of Materials Chemistry A, 2021, 9, 505-514.	5.2	35
18	Flame retardant polyphosphoester copolymers as solid polymer electrolyte for lithium batteries. Polymer Chemistry, 2021, 12, 3441-3450.	1.9	23

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19	Single- Versus Dual-Ion UV-Cross-Linked Gel Polymer Electrolytes for Liâ€“O₂ Batteries. ACS Applied Energy Materials, 2021, 4, 295-302.	2.5	11
20	Design of Polymeric Corrosion Inhibitors Based on Ionic Coumarate Groups. ACS Applied Polymer Materials, 2021, 3, 1739-1746.	2.0	10
21	Reducing Passive Drug Diffusion from Electrophoretic Drug Delivery Devices through Coâ€Ion Engineering. Advanced Science, 2021, 8, 2003995.	5.6	6
22	3D Printable Conducting and Biocompatible PEDOTâ€graftâ€PLA Copolymers by Direct Ink Writing. Macromolecular Rapid Communications, 2021, 42, e2100100.	2.0	30
23	Conducting Polymerâ€Ionic Liquid Electrode Arrays for Highâ€Density Surface Electromyography. Advanced Healthcare Materials, 2021, 10, e2100374.	3.9	29
24	Stereoretention in the Bulk ROP of <scp>l</scp>-Lactide Guided by a Thermally Stable Organocatalyst. Macromolecules, 2021, 54, 6214-6225.	2.2	17
25	Polyether Single and Double Crystalline Blends and the Effect of Lithium Salt on Their Crystallinity and Ionic Conductivity. Polymers, 2021, 13, 2097.	2.0	4
26	3D Printable and Biocompatible Iongels for Body Sensor Applications. Advanced Electronic Materials, 2021, 7, 2100178.	2.6	30
27	Easy-to-Make Polymer Hydrogels by UV-Curing for the Cleaning of Acrylic Emulsion Paint Films. Polymers, 2021, 13, 2108.	2.0	2
28	Additive Manufacturing of Conducting Polymers: Recent Advances, Challenges, and Opportunities. ACS Applied Polymer Materials, 2021, 3, 2865-2883.	2.0	62
29	From Lab to Market: Current Strategies for the Production of Biobased Polyols. ACS Sustainable Chemistry and Engineering, 2021, 9, 10664-10677.	3.2	90
30	Organic batteries based on just redox polymers. Progress in Polymer Science, 2021, 122, 101449.	11.8	66
31	2D and 3D Immobilization of Carbon Nanomaterials into PEDOT via Electropolymerization of a Functional Bis-EDOT Monomer. Polymers, 2021, 13, 436.	2.0	5
32	Emerging Ionic Polymers for CO. Australian Journal of Chemistry, 2021, 74, 767-777.	0.5	11
33	Emerging iongel materials towards applications in energy and bioelectronics. Materials Horizons, 2021, 8, 3239-3265.	6.4	25
34	Single-Ion Conducting Polymer Nanoparticles as Functional Fillers for Solid Electrolytes in Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 54354-54362.	4.0	38
35	Chemical Upcycling of PET Waste towards Terephthalate Redox Nanoparticles for Energy Storage. Sustainable Chemistry, 2021, 2, 610-621.	2.2	9
36	Ternary Poly(ethylene oxide)/Poly(<scp>l</scp>,<scp>l</scp>-lactide) PEO/PLA Blends as High-Temperature Solid Polymer Electrolytes for Lithium Batteries. ACS Applied Polymer Materials, 2021, 3, 6326-6337.	2.0	19

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37	Development of Effective, Safer and Fast UV-Cured Solid Gel Polymer Electrolytes for Lithium-O2 Rechargeable Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 139-139.	0.0	0
38	Electroactive 3D printable poly(3,4-ethylenedioxythiophene)-graft-poly(Îµ-caprolactone) copolymers as scaffolds for muscle cell alignment. Polymer Chemistry, 2021, 13, 109-120.	1.9	19
39	Singleâ€Ion Conducting Poly(Ethylene Oxide Carbonate) as Solid Polymer Electrolyte for Lithium Batteries. Batteries and Supercaps, 2020, 3, 68-75.	2.4	37
40	Symmetric Allâ€Organic Battery Containing a Dual Redoxâ€Active Polymer as Cathode and Anode Material. ChemSusChem, 2020, 13, 2464-2470.	3.6	43
41	Influence of Chemical Structures on Isodimorphic Behavior of Three Different Copolycarbonate Random Copolymer Series. Macromolecules, 2020, 53, 669-681.	2.2	18
42	Poly(diallyldimethylammonium) based poly(ionic liquid) di- and triblock copolymers by PISA as matrices for ionogel membranes. Polymer Chemistry, 2020, 11, 1481-1488.	1.9	17
43	Tailored Methodology Based on Vapor Phase Polymerization to Manufacture PEDOT/CNT Scaffolds for Tissue Engineering. ACS Biomaterials Science and Engineering, 2020, 6, 1269-1278.	2.6	31
44	Emerging Ionic Soft Materials Based on Deep Eutectic Solvents. Journal of Physical Chemistry B, 2020, 124, 8465-8478.	1.2	106
45	Water Soluble Cationic Poly(3,4â€Ethylenedioxythiophene) PEDOTâ€N as a Versatile Conducting Polymer for Bioelectronics. Advanced Electronic Materials, 2020, 6, 2000510.	2.6	25
46	Toward Spontaneous Neuronal Differentiation of SH-SY5Y Cells Using Novel Three-Dimensional Electropolymerized Conductive Scaffolds. ACS Applied Materials & Interfaces, 2020, 12, 57330-57342.	4.0	16
47	Cation Effect in the Corrosion Inhibition Properties of Coumarate Ionic Liquids and Acrylic UV-Coatings. Polymers, 2020, 12, 2611.	2.0	9
48	Synthesis and Characterization of Fully Biobased Copolyether Polyols. Industrial & Engineering Chemistry Research, 2020, 59, 10746-10753.	1.8	10
49	High Lithium Conductivity of Miscible Poly(ethylene oxide)/Methacrylic Sulfonamide Anionic Polyelectrolyte Polymer Blends. Macromolecules, 2020, 53, 4442-4453.	2.2	22
50	Proton trap effect on catecholâ€“pyridine redox polymer nanoparticles as organic electrodes for lithium batteries. Sustainable Energy and Fuels, 2020, 4, 3934-3942.	2.5	16
51	Tuning the Properties of a UV-Polymerized, Cross-Linked Solid Polymer Electrolyte for Lithium Batteries. Polymers, 2020, 12, 595.	2.0	20
52	Thioxanthone-Based Photobase Generators for the Synthesis of Polyurethanes via the Photopolymerization of Polyols and Polyisocyanates. Macromolecules, 2020, 53, 2069-2076.	2.2	24
53	Influence of Anion Structure on Thermal, Mechanical and CO2 Solubility Properties of UV-Cross-Linked Poly(ethylene glycol) Diacrylate Iongels. Membranes, 2020, 10, 46.	1.4	12
54	Tailored CO₂-Philic Anionic Poly(ionic liquid) Composite Membranes: Synthesis, Characterization, and Gas Transport Properties. ACS Sustainable Chemistry and Engineering, 2020, 8, 5954-5965.	3.2	35

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55	From plastic waste to polymer electrolytes for batteries through chemical upcycling of polycarbonate. Journal of Materials Chemistry A, 2020, 8, 13921-13926.	5.2	60
56	Elastic and Thermoreversible Iongels by Supramolecular PVA/Phenol Interactions. Macromolecular Bioscience, 2020, 20, e2000119.	2.1	11
57	Tailoring PEDOT properties for applications in bioelectronics. Materials Science and Engineering Reports, 2020, 140, 100546.	14.8	140
58	The influence of interfacial interactions on the conductivity and phase behaviour of organic ionic plastic crystal/polymer nanoparticle composite electrolytes. Journal of Materials Chemistry A, 2020, 8, 5350-5362.	5.2	26
59	Influence of the Cyclic versus Linear Carbonate Segments in the Properties and Performance of CO₂-Sourced Polymer Electrolytes for Lithium Batteries. ACS Applied Polymer Materials, 2020, 2, 922-931.	2.0	36
60	Innovative Polymers for Nextâ€Generation Batteries. Macromolecular Chemistry and Physics, 2020, 221, 1900490.	1.1	39
61	Toward Highâ€Energyâ€Density Lithium Metal Batteries: Opportunities and Challenges for Solid Organic Electrolytes. Advanced Materials, 2020, 32, e1905219.	11.1	154
62	A water-based and metal-free dye solar cell exceeding 7% efficiency using a cationic poly(3,4-ethylenedioxythiophene) derivative. Chemical Science, 2020, 11, 1485-1493.	3.7	91
63	Morpholineâ€based RAFT agents for the reversible deactivation radical polymerization of vinyl acetate and Nâ€vinylimidazole. Polymer International, 2020, 69, 883-890.	1.6	5
64	Metal-free coumarate based ionic liquids and poly(ionic liquid)s as corrosion inhibitors. Materials Advances, 2020, 1, 584-589.	2.6	8
65	New poly(ionic liquid)s based on poly(azomethine-pyridinium) salts and its use as heterogeneous catalysts for CO2 conversion. European Polymer Journal, 2019, 110, 107-113.	2.6	22
66	Dual Organocatalysts Based on Ionic Mixtures of Acids and Bases: A Step Toward High Temperature Polymerizations. ACS Macro Letters, 2019, 8, 1055-1062.	2.3	44
67	Poly(ionic liquid)s/Electrospun Nanofiber Composite Polymer Electrolytes for High Energy Density and Safe Li Metal Batteries. ACS Applied Energy Materials, 2019, 2, 6237-6245.	2.5	63
68	Ionic Hydrogel for Accelerated Dopamine Delivery via Retrodialysis. Chemistry of Materials, 2019, 31, 7080-7084.	3.2	19
69	High Coulombic Efficiency Naâ€“O₂ Batteries Enabled by a Bilayer Ionogel/Ionic Liquid. Journal of Physical Chemistry Letters, 2019, 10, 7050-7055.	2.1	11
70	Synthesis of Redox Polymer Nanoparticles Based on Poly(vinyl catechols) and Their Electroactivity. Macromolecules, 2019, 52, 8155-8166.	2.2	25
71	Enhancing Energy Storage Devices with Biomacromolecules in Hybrid Electrodes. Biotechnology Journal, 2019, 14, e1900062.	1.8	21
72	Poly(Ionic Liquid)s-in-Salt Electrolytes with Co-coordination-Assisted Lithium-Ion Transport for Safe Batteries. Joule, 2019, 3, 2687-2702.	11.7	108

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73	UV-Cross-Linked Ionogels for All-Solid-State Rechargeable Sodium Batteries. ACS Applied Energy Materials, 2019, 2, 6960-6966.	2.5	25
74	Polymeric ionic liquids for lithium-based rechargeable batteries. Molecular Systems Design and Engineering, 2019, 4, 294-309.	1.7	114
75	Polyether Synthesis by Bulk Self-Condensation of Diols Catalyzed by Non-Eutectic Acidâ€“Base Organocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 4103-4111.	3.2	37
76	In situ Investigations of a Proton Trap Material: A PEDOT-Based Copolymer with Hydroquinone and Pyridine Side Groups Having Robust Cyclability in Organic Electrolytes and Ionic Liquids. ACS Applied Energy Materials, 2019, 2, 4486-4495.	2.5	15
77	Catechol-Containing Acrylic Poly(ionic liquid) Hydrogels as Bioinspired Filters for Water Decontamination. ACS Applied Polymer Materials, 2019, 1, 1887-1895.	2.0	17
78	Pyridinium Containing Amide Based Polymeric Ionic Liquids for CO₂/CH₄ Separation. ACS Sustainable Chemistry and Engineering, 2019, 7, 10241-10247.	3.2	21
79	Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. Macromolecules, 2019, 52, 3506-3515.	2.2	27
80	CO₂-sourced polycarbonates as solid electrolytes for room temperature operating lithium batteries. Journal of Materials Chemistry A, 2019, 7, 9844-9853.	5.2	29
81	Effect of Chemical Structure and Salt Concentration on the Crystallization and Ionic Conductivity of Aliphatic Polyethers. Polymers, 2019, 11, 452.	2.0	23
82	Poly(ionic liquid) iongel membranes for all solid-state rechargeable sodium battery. Journal of Membrane Science, 2019, 582, 435-441.	4.1	49
83	Innovative Electrolytes Based on Ionic Liquids and Polymers for Next-Generation Solid-State Batteries. Accounts of Chemical Research, 2019, 52, 686-694.	7.6	276
84	Conductive Poly(3,4-Ethylenedioxythiophene) (PEDOT)-Based Polymers and Their Applications in Bioelectronics. , 2019, , 191-218.		17
85	UV-cross-linked poly(ethylene oxide carbonate) as free standing solid polymer electrolyte for lithium batteries. Electrochimica Acta, 2019, 302, 414-421.	2.6	50
86	Ultrathin Fully Printed Lightâ€Emitting Electrochemical Cells with Arbitrary Designs on Biocompatible Substrates. Advanced Materials Technologies, 2019, 4, 1800641.	3.0	45
87	3D Scaffolds Based on Conductive Polymers for Biomedical Applications. Biomacromolecules, 2019, 20, 73-89.	2.6	76
88	Azo-linked porous organic polymers: robust and time-efficient synthesisviaNaBH₄-mediated reductive homocoupling on polynitro monomers and adsorption capacity towards aniline in water. Journal of Materials Chemistry A, 2018, 6, 5608-5612.	5.2	36
89	A Na⁺conducting hydrogel for protection of organic electrochemical transistors. Journal of Materials Chemistry B, 2018, 6, 2901-2906.	2.9	13
90	Poly(ethylene oxide carbonates) solid polymer electrolytes for lithium batteries. Electrochimica Acta, 2018, 264, 367-375.	2.6	90

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91	Mixing poly(ionic liquid)s and ionic liquids with different cyano anions: Membrane forming ability and CO 2 /N 2 separation properties. Journal of Membrane Science, 2018, 552, 341-348.	4.1	49
92	DVSâ€Crosslinked PEDOT:PSS Freeâ€Standing and Textile Electrodes toward Wearable Health Monitoring. Advanced Materials Technologies, 2018, 3, 1700322.	3.0	76
93	Polystyrene-block-Poly(ionic liquid) Copolymers as Work Function Modifiers in Inverted Organic Photovoltaic Cells. ACS Applied Materials & Interfaces, 2018, 10, 4887-4894.	4.0	21
94	Polyimides as cathodic materials in lithium batteries: Effect of the chemical structure of the diamine monomer. Journal of Polymer Science Part A, 2018, 56, 714-723.	2.5	25
95	Hybrid biopolymer electrodes for lithium- and sodium-ion batteries in organic electrolytes. Sustainable Energy and Fuels, 2018, 2, 836-842.	2.5	23
96	Fully Printed Lightâ€Emitting Electrochemical Cells Utilizing Biocompatible Materials. Advanced Functional Materials, 2018, 28, 1705795.	7.8	56
97	Poly(ionic liquid) iongels for all-solid rechargeable zinc/PEDOT batteries. Electrochimica Acta, 2018, 278, 271-278.	2.6	47
98	Efficient polymerization and post-modification of N-substituted eight-membered cyclic carbonates containing allyl groups. Polymer Chemistry, 2018, 9, 2458-2467.	1.9	18
99	Poly(anthraquinonyl sulfides): High Capacity Redox Polymers for Energy Storage. ACS Macro Letters, 2018, 7, 419-424.	2.3	77
100	Proton Conducting Membranes Based on Poly(Ionic Liquids) Having Phosphonium Counterâ€Cations. Macromolecular Rapid Communications, 2018, 39, 1700627.	2.0	20
101	Hybrid Sulfurâ^'Selenium Coâ€polymers as Cathodic Materials for Lithium Batteries. ChemElectroChem, 2018, 5, 260-265.	1.7	29
102	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. ACS Applied Materials & Interfaces, 2018, 10, 43904-43914.	4.0	45
103	Perylene Polyimide-Polyether Anodes for Aqueous All-Organic Polymer Batteries. ACS Applied Energy Materials, 2018, 1, 7199-7205.	2.5	54
104	Biodegradable Polycarbonate Iongels for Electrophysiology Measurements. Polymers, 2018, 10, 989.	2.0	15
105	DNP NMR Studies of Crystalline Polymer Domains by Copolymerization with Nitroxide Radical Monomers. Macromolecules, 2018, 51, 8046-8053.	2.2	10
106	Sulfur Polymers Meet Poly(ionic liquid)s: Bringing New Properties to Both Polymer Families. Macromolecular Rapid Communications, 2018, 39, e1800529.	2.0	30
107	Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	5
108	Design of ionic liquid like monomers towards easy-accessible single-ion conducting polymer electrolytes. European Polymer Journal, 2018, 107, 218-228.	2.6	35

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109	Catechol End-Functionalized Polylactide by Organocatalyzed Ring-Opening Polymerization. Polymers, 2018, 10, 155.	2.0	14
110	Conducting Polymer Scaffolds Based on Poly(3,4-ethylenedioxythiophene) and Xanthan Gum for Live-Cell Monitoring. ACS Omega, 2018, 3, 7424-7431.	1.6	55
111	Unexpected Synthesis of Segmented Poly(hydroxyureaâ€“urethane)s from Dicyclic Carbonates and Diamines by Organocatalysis. Macromolecules, 2018, 51, 5556-5566.	2.2	69
112	New electroactive macromonomers and multi-responsive PEDOT graft copolymers. Polymer Chemistry, 2018, 9, 3780-3790.	1.9	15
113	Redox-active poly(ionic liquid)s as active materials for energy storage applications. Journal of Materials Chemistry A, 2017, 5, 16231-16240.	5.2	65
114	Non-Isocyanate Polyurethane Soft Nanoparticles Obtained by Surfactant-Assisted Interfacial Polymerization. Langmuir, 2017, 33, 1959-1968.	1.6	36
115	Innovative polyelectrolytes/poly(ionic liquid)s for energy and the environment. Polymer International, 2017, 66, 1119-1128.	1.6	42
116	Fully Printed Electrodes on Stretchable Textiles for Longâ€Term Electrophysiology. Advanced Materials Technologies, 2017, 2, 1600251.	3.0	85
117	Enantioselective Ring-Opening Polymerization of rac-Lactide Dictated by Densely Substituted Amino Acids. Journal of the American Chemical Society, 2017, 139, 4805-4814.	6.6	69
118	Electrochemical Behavior of PEDOT/Lignin in Ionic Liquid Electrolytes: Suitable Cathode/Electrolyte System for Sodium Batteries. ChemSusChem, 2017, 10, 1783-1791.	3.6	43
119	Polyurethane based organic macromolecular contrast agents (PU-ORCAs) for magnetic resonance imaging. Polymer Chemistry, 2017, 8, 2693-2701.	1.9	26
120	Polycondensation as a Versatile Synthetic Route to Aliphatic Polycarbonates for Solid Polymer Electrolytes. Electrochimica Acta, 2017, 237, 259-266.	2.6	60
121	Poly(ionic liquid)-based polyurethanes having imidazolium, ammonium, morpholinium or pyrrolidinium cations. High Performance Polymers, 2017, 29, 691-703.	0.8	11
122	Effect of the fullerene in the properties of thin PEDOT/C60 films obtained by co-electrodeposition. Inorganica Chimica Acta, 2017, 468, 239-244.	1.2	9
123	Low-Temperature Cross-Linking of PEDOT:PSS Films Using Divinylsulfone. ACS Applied Materials & Interfaces, 2017, 9, 18254-18262.	4.0	86
124	Self-assembly of poly(ionic liquid) (PIL)-based amphiphilic homopolymers into vesicles and supramolecular structures with dyes and silver nanoparticles. Polymer Chemistry, 2017, 8, 3497-3503.	1.9	26
125	Single Ion Conducting Polymer Electrolytes Based On Versatile Polyurethanes. Electrochimica Acta, 2017, 241, 526-534.	2.6	86
126	Synthesis and characterization of poly (Îµ-caprolactam-co-lactide) polyesteramides using BrÃ¸nsted acid or BrÃ¸nsted base organocatalyst. European Polymer Journal, 2017, 95, 650-659.	2.6	18

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127	Temperature responsive PEG-based polyurethanes â€œÃ la carteâ€• Polymer, 2017, 122, 117-124.	1.8	34
128	Aromatic diselenide crosslinkers to enhance the reprocessability and self-healing of polyurethane thermosets. Polymer Chemistry, 2017, 8, 3641-3646.	1.9	102
129	Conducting Polymer Iongels Based on PEDOT and Guar Gum. ACS Macro Letters, 2017, 6, 473-478.	2.3	43
130	Ionic Polyurethanes as a New Family of Poly(ionic liquid)s for Efficient CO₂ Capture. Macromolecules, 2017, 50, 2814-2824.	2.2	49
131	Full-cell quinone/hydroquinone supercapacitors based on partially reduced graphite oxide and lignin/PEDOT electrodes. Journal of Materials Chemistry A, 2017, 5, 7137-7143.	5.2	57
132	Amine containing cationic methacrylate copolymers as efficient gene delivery vehicles to retinal epithelial cells. Journal of Polymer Science Part A, 2017, 55, 280-287.	2.5	4
133	Comparison of the physicochemical and electrochemical behaviour of mixed anion phosphonium based OIPCs electrolytes for sodium batteries. Solid State Ionics, 2017, 312, 44-52.	1.3	25
134	Preparation and characterization of gel polymer electrolytes using poly(ionic liquids) and high lithium salt concentration ionic liquids. Journal of Materials Chemistry A, 2017, 5, 23844-23852.	5.2	109
135	Proton-Exchange-Induced Configuration Rearrangement in a Poly(ionic liquid) Solution: A NMR Study. Journal of Physical Chemistry Letters, 2017, 8, 5355-5359.	2.1	9
136	Single-ion triblock copolymer electrolytes based on poly(ethylene oxide) and methacrylic sulfonamide blocks for lithium metal batteries. Journal of Power Sources, 2017, 364, 191-199.	4.0	130
137	Easyâ€toâ€make carboxylic acid dioxythiophene monomer (ProDOTâ€COOH) and functional conductive polymers. Journal of Polymer Science Part A, 2017, 55, 2721-2724.	2.5	17
138	Antimicrobial polyurethane foams having cationic ammonium groups. Journal of Applied Polymer Science, 2017, 134, 45473.	1.3	23
139	Hydrolytically degradable poly(ethylene glycol) based polycarbonates by organocatalyzed condensation. European Polymer Journal, 2017, 95, 737-745.	2.6	23
140	Polyimide-polyether bindersâ€“diminishing the carbon content in lithium sulfur batteries. Materials Today Energy, 2017, 6, 264-270.	2.5	37
141	Preparation of Biodegradable Cationic Polycarbonates and Hydrogels through the Direct Polymerization of Quaternized Cyclic Carbonates. ACS Biomaterials Science and Engineering, 2017, 3, 1567-1575.	2.6	28
142	High performance photolithographically-patterned polymer thin-film transistors gated with an ionic liquid/poly(ionic liquid) blend ion gel. Applied Physics Letters, 2017, 110, .	1.5	23
143	Expanding the Applicability of Poly(Ionic Liquids) in Solid Phase Microextraction: Pyrrolidinium Coatings. Materials, 2017, 10, 1094.	1.3	13
144	Poly(3,4-ethylenedioxythiophene) (PEDOT) Derivatives: Innovative Conductive Polymers for Bioelectronics. Polymers, 2017, 9, 354.	2.0	187

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145	Poly(3,4â€ethylenedioxythiophene):GlycosAminoGlycan Aqueous Dispersions: Toward Electrically Conductive Bioactive Materials for Neural Interfaces. Macromolecular Bioscience, 2016, 16, 1227-1238.	2.1	60
146	Adding magnetic ionic liquid monomers to the emulsion polymerization tool-box: Towards polymer latexes and coatings with new properties. Journal of Polymer Science Part A, 2016, 54, 1145-1152.	2.5	12
147	Tuning the Selectivity of Biodegradable Antimicrobial Cationic Polycarbonates by Exchanging the Counterâ€Anion. Macromolecular Bioscience, 2016, 16, 1360-1367.	2.1	25
148	Innovative Poly(Ionic Liquid)s by the Polymerization of Deep Eutectic Monomers. Macromolecular Rapid Communications, 2016, 37, 1135-1142.	2.0	45
149	Synthesis of three different galactose-based methacrylate monomers for the production of sugar-based polymers. Carbohydrate Research, 2016, 432, 50-54.	1.1	11
150	Inverse Vulcanization of Sulfur using Natural Dienes as Sustainable Materials for Lithiumâ€“Sulfur Batteries. ChemSusChem, 2016, 9, 3419-3425.	3.6	124
151	Single-Ion Block Copoly(ionic liquid)s as Electrolytes for All-Solid State Lithium Batteries. ACS Applied Materials & Interfaces, 2016, 8, 10350-10359.	4.0	251
152	Nanoporous amide networks based on tetraphenyladamantane for selective CO₂ capture. Journal of Materials Chemistry A, 2016, 4, 8190-8197.	5.2	51
153	Single-Ion Conducting Polymer Electrolytes for Lithium Metal Polymer Batteries that Operate at Ambient Temperature. ACS Energy Letters, 2016, 1, 678-682.	8.8	270
154	Sustainable Poly(Ionic Liquids) for CO₂ Capture Based on Deep Eutectic Monomers. ACS Sustainable Chemistry and Engineering, 2016, 4, 7200-7208.	3.2	68
155	Magnetic Poly(Ionic Liquid) Microcapsules for Oil Capture and Recovery. Particle and Particle Systems Characterization, 2016, 33, 734-739.	1.2	15
156	Inverse vulcanization of sulfur with divinylbenzene: Stable and easy processable cathode material for lithium-sulfur batteries. Journal of Power Sources, 2016, 329, 72-78.	4.0	97
157	Organic-acid mediated bulk polymerization of Îµ-caprolactam and its copolymerization with Îµ-caprolactone. Journal of Polymer Science Part A, 2016, 54, 2394-2402.	2.5	20
158	Preparation of poly(ionic liquid) nanoparticles and their novel application as flocculants for water purification. Polymer Chemistry, 2016, 7, 1668-1674.	1.9	46
159	Room temperature synthesis of non-isocyanate polyurethanes (NIPUs) using highly reactive N-substituted 8-membered cyclic carbonates. Polymer Chemistry, 2016, 7, 2105-2111.	1.9	71
160	Update and challenges in organo-mediated polymerization reactions. Progress in Polymer Science, 2016, 56, 64-115.	11.8	289
161	High performance PEDOT/lignin biopolymer composites for electrochemical supercapacitors. Journal of Materials Chemistry A, 2016, 4, 1838-1847.	5.2	168
162	PEDOT Radical Polymer with Synergetic Redox and Electrical Properties. ACS Macro Letters, 2016, 5, 59-64.	2.3	92

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