

Yuezhong Meng

List of Publications by Year in descending order

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183
papers

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47006

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184
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184
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8333
citing authors

#	ARTICLE	IF	CITATIONS
1	A high ion-conducting, self-healing and nonflammable polymer electrolyte with dynamic imine bonds for dendrite-free lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131224.	12.7	44
2	Construction of triblock copolyesters via one-step switchable terpolymerization of epoxides, phthalic anhydride and μ -caprolactone using dual urea/organic base catalysts. <i>Polymer Chemistry</i> , 2022, 13, 801-807.	3.9	2
3	Simulation of TSV Protrusion in 3DIC Integration by Directly Loading on Coarse-Grained Phase-Field Crystal Model. <i>Electronics (Switzerland)</i> , 2022, 11, 221.	3.1	3
4	Crosslinked Polybenzimidazoles Containing Functional Crosslinkers As High-Temperature Proton Exchange Membranes: Enhanced Strength and Conductivity. <i>Journal of the Electrochemical Society</i> , 2022, 169, 024502.	2.9	7
5	2D NMR study on chemical structure of the co-oligomers from carbon dioxide/propylene oxide/diol synthesized by a metal-free catalyst. <i>Polymer Testing</i> , 2022, 107, 107485.	4.8	5
6	Polybenzimidazole Confined in Semi-Interpenetrating Networks of Crosslinked Poly (Arylene Ether) Tj ETQqO O O rgBT /Overlock 10 Tf 50	4.1	7
7	Proton exchange membranes for high temperature proton exchange membrane fuel cells: Challenges and perspectives. <i>Journal of Power Sources</i> , 2022, 533, 231386.	7.8	99
8	Highly conductive self-healing polymer electrolytes based on synergetic dynamic bonds for highly safe lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 442, 136083.	12.7	18
9	A phosphonated phenol-formaldehyde-based high-temperature proton exchange membrane with intrinsic protonic conductors and proton transport channels. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10916-10925.	10.3	26
10	Excavating Anomalous Capacity Increase of Li-S Pouch Cells by Electrochemical Oscillation Formation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22197-22205.	8.0	2
11	A rechargeable Li-CO ₂ battery based on the preservation of dimethyl sulfoxide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13821-13828.	10.3	13
12	Biodegradable Copolymers from CO ₂ , Epoxides, and Anhydrides Catalyzed by Organoborane/Tertiary Amine Pairs: High Selectivity and Productivity. <i>Macromolecules</i> , 2022, 55, 6120-6130.	4.8	10
13	Recent progress in dimethyl carbonate synthesis using different feedstock and techniques in the presence of heterogeneous catalysts. <i>Catalysis Reviews - Science and Engineering</i> , 2021, 63, 363-421.	12.9	47
14	Design and structure of catalysts: syntheses of carbon dioxide-based copolymers with cyclic anhydrides and/or cyclic esters. <i>Polymer Journal</i> , 2021, 53, 3-27.	2.7	25
15	Organic liquid electrolytes in Li-S batteries: actualities and perspectives. <i>Energy Storage Materials</i> , 2021, 34, 128-147.	18.0	63
16	Catalytic materials for direct synthesis of dimethyl carbonate (DMC) from CO ₂ . <i>Journal of Cleaner Production</i> , 2021, 279, 123344.	9.3	81
17	Polymer-Based Solid Electrolytes: Material Selection, Design, and Application. <i>Advanced Functional Materials</i> , 2021, 31, 2007598.	14.9	164
18	Boosting Li-S battery performance using an in-cell electropolymerized conductive polymer. <i>Materials Advances</i> , 2021, 2, 974-984.	5.4	7

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19	Transparency Change Mechanochromism Based on a Robust PDMS-Hydrogel Bilayer Structure. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000446.	3.9	21
20	Flame-retardant single-ion conducting polymer electrolytes based on anion acceptors for high-safety lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7692-7702.	10.3	33
21	A Robust Composite Proton Exchange Membrane of Sulfonated Poly (Fluorenyl Ether Ketone) with an Electrospun Polyimide Mat for Direct Methanol Fuel Cells Application. <i>Polymers</i> , 2021, 13, 523.	4.5	12
22	Thermal runaway features of lithium sulfur pouch cells at various states of charge evaluated by extended volume-accelerating rate calorimetry. <i>Journal of Power Sources</i> , 2021, 489, 229503.	7.8	27
23	A Robust PtNi Nanoframe/N-Doped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9590-9597.	13.8	88
24	A Robust PtNi Nanoframe/N-Doped Graphene Aerogel Electrocatalyst with Both High Activity and Stability. <i>Angewandte Chemie</i> , 2021, 133, 9676-9683.	2.0	9
25	Covalent Organic Frameworks with Low Surface Work Function Enabled Stable Lithium Anode. <i>Small</i> , 2021, 17, e2101496.	10.0	23
26	Performance tailorable terpolymers synthesized from carbon dioxide, phthalic anhydride and propylene oxide using Lewis acid-base dual catalysts. <i>Journal of CO2 Utilization</i> , 2021, 49, 101558.	6.8	23
27	Interphase Building of Organic-Inorganic Hybrid Polymer Solid Electrolyte with Uniform Intermolecular Li ⁺ Path for Stable Lithium Metal Batteries. <i>Small</i> , 2021, 17, e2102454.	10.0	28
28	Nonflammable highly-fluorinated polymer electrolytes with enhanced interfacial compatibility for dendrite-free lithium metal batteries. <i>Journal of Power Sources</i> , 2021, 510, 230411.	7.8	29
29	Addressing interface elimination: Boosting comprehensive performance of all-solid-state Li-S battery. <i>Energy Storage Materials</i> , 2021, 41, 563-570.	18.0	22
30	Artificial Single-Ion Conducting Polymer Solid Electrolyte Interphase Layer toward Highly Stable Lithium Anode. <i>ACS Applied Energy Materials</i> , 2021, 4, 862-869.	5.1	18
31	Simulation on TSV Protrusion from Atomic to Micron Scales., 2021, , .		0
32	Ionically Crosslinked Composite Membranes from Polybenzimidazole and Sulfonated Poly (fluorenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf . 114509.	2.9	6
33	Polybenzimidazole-Based Semi-Interpenetrating Proton Exchange Membrane with Enhanced Stability and Excellent Performance for High-Temperature Proton Exchange Membrane Fuel Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 13316-13326.	5.1	28
34	Lithium (4-styrenesulfonyl) (trifluoromethanesulfonyl) imide based single-ion polymer electrolyte with superior battery performance. <i>Energy Storage Materials</i> , 2020, 24, 579-587.	18.0	61
35	Single-ion conducting gel polymer electrolytes: design, preparation and application. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1557-1577.	10.3	154
36	Nonisocyanate CO ₂ -Based Poly(ester-co-urethane)s with Tunable Performances: A Potential Alternative to Improve the Biodegradability of PBAT. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1923-1932.	6.7	25

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37	In Situ Preparation of Thin and Rigid COF Film on Li Anode as Artificial Solid Electrolyte Interphase Layer Resisting Li Dendrite Puncture. <i>Advanced Functional Materials</i> , 2020, 30, 1907717.	14.9	136
38	Sulfonated poly(fluorenyl ether ketone)/Sulfonated Hf -zirconium phosphate Nanocomposite membranes for proton exchange membrane fuel cells. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 498-507.	21.1	37
39	Metal-Free Approach for a One-Pot Construction of Biodegradable Block Copolymers from Epoxides, Phthalic Anhydride, and CO_2 . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17860-17867.	6.7	51
40	Nonflammable organic electrolytes for high-safety lithium-ion batteries. <i>Energy Storage Materials</i> , 2020, 32, 425-447.	18.0	127
41	A Highly Immobilized Organic Anode Material for High Performance Rechargeable Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36237-36246.	8.0	19
42	A Novel Gel Polymer Electrolyte by Thiol-Ene Click Reaction Derived from CO_2 -Based Polycarbonate for Lithium-Ion Batteries. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-12.	1.7	0
43	Sulfonated poly(fluorene ether ketone) (SPFEK)/ Hf -zirconium phosphate (ZrP) nanocomposite membranes for fuel cell applications. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 546-550.	21.1	26
44	Comprehensive evaluation of safety performance and failure mechanism analysis for lithium sulfur pouch cells. <i>Energy Storage Materials</i> , 2020, 30, 87-97.	18.0	65
45	Addressing Passivation of a Sulfur Electrode in Li-S Pouch Cells for Dramatically Improving Their Cyclic Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29296-29301.	8.0	5
46	Effective suppression of lithium dendrite growth using fluorinated polysulfonamide-containing single-ion conducting polymer electrolytes. <i>Materials Advances</i> , 2020, 1, 873-879.	5.4	11
47	Design of dental implants at materials level: An overview. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1634-1661.	4.0	38
48	Synergetic Covalent and Spatial Confinement of Sulfur Species by Phthalazinone-Containing Covalent Triazine Frameworks for Ultrahigh Performance of Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8296-8305.	8.0	42
49	Strategies for inhibiting anode dendrite growth in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4629-4646.	10.3	54
50	3D Network Structural Poly (Aryl Ether Ketone)-Polybenzimidazole Polymer for High-Temperature Proton Exchange Membrane Fuel Cells. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-13.	1.7	10
51	Both Phosphonic Acid- and Fluorine-Containing Poly(aryl ether)-hydroxyapatite Biocomposites: Toward Enhanced Biocompatibility and Bonelike Elastic Modulus. <i>ACS Applied Bio Materials</i> , 2020, 3, 9019-9030.	4.6	4
52	Gold nanoparticles immobilized on single-layer Hf -zirconium phosphate nanosheets as a highly effective heterogeneous catalyst. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 520-529.	21.1	17
53	High performance poly(urethane-co-amide) from CO_2 -based dicarbamate: an alternative to long chain polyamide. <i>RSC Advances</i> , 2019, 9, 26080-26090.	3.6	15
54	Lithium Borate Containing Bifunctional Binder To Address Both Ion Transporting and Polysulfide Trapping for High-Performance Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28968-28977.	8.0	24

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55	Co-Ni Cyanide Bi-Metal Catalysts: Copolymerization of Carbon Dioxide with Propylene Oxide and Chain Transfer Agents. <i>Catalysts</i> , 2019, 9, 632.	3.5	12
56	CO ₂ derived biodegradable polycarbonates: Synthesis, modification and applications. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019, 2, 143-160.	4.7	32
57	CO ₂ Nanoenrichment and Nanoconfinement in Cage of Imine Covalent Organic Frameworks for High-Performance CO ₂ Cathodes in Li-ION Batteries. <i>Small</i> , 2019, 15, e1904830.	10.0	45
58	Hierarchical NiCoP/C Hollow Nanoflowers for Enhanced Lithium Storage. <i>ACS Applied Nano Materials</i> , 2019, 2, 6880-6888.	5.0	16
59	Aqueous sodium alginate as binder: Dramatically improving the performance of dilithium terephthalate-based organic lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 438, 227007.	7.8	21
60	One-Pot Synthesis of Dimethyl Hexane-1,6-diylidicarbamate from CO ₂ , Methanol, and Diamine over CeO ₂ Catalysts: A Route to an Isocyanate-Free Feedstock for Polyurethanes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10708-10715.	6.7	29
61	Polyphenylene Sulfide Separator for High Safety Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1644-A1652.	2.9	18
62	Synthesis of Polylactide Nanocomposites Using an $\hat{\pm}$ -Zirconium Phosphate Nanosheet-Supported Zinc Catalyst via in Situ Polymerization. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1382-1389.	4.4	20
63	Ultrastrong and Heat-Resistant Poly(ether ether ketone) Separator for Dendrite-Proof and Heat-Resistant Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 3886-3895.	5.1	60
64	Is superparelectric 2-dimensional Sn ₂ P ₂ S ₆ having a $\hat{\pm}$ higher dielectric constant $\hat{\pm}$ desirable for more real Na ⁺ pseudocapacitance?. <i>Nano Energy</i> , 2019, 61, 462-470.	16.0	8
65	A Review on Sulfonated Polymer Composite/Organic-Inorganic Hybrid Membranes to Address Methanol Barrier Issue for Methanol Fuel Cells. <i>Nanomaterials</i> , 2019, 9, 668.	4.1	38
66	Single-ion conducting artificial solid electrolyte interphase layers for dendrite-free and highly stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13113-13119.	10.3	66
67	Heteropolyacid Salt Catalysts for Methanol Conversion to Hydrocarbons and Dimethyl Ether: Effect of Reaction Temperature. <i>Catalysts</i> , 2019, 9, 320.	3.5	16
68	Fully alternating sustainable polyesters from epoxides and cyclic anhydrides: economical and metal-free dual catalysis. <i>Green Chemistry</i> , 2019, 21, 2469-2477.	9.0	61
69	Stable and ultrafast lithium storage for LiFePO ₄ /C nanocomposites enabled by instantaneously carbonized acetylenic carbon-rich polymer. <i>Carbon</i> , 2019, 147, 19-26.	10.3	31
70	Effects of polyethylene glycol content on the properties of a silk fibroin/nano-hydroxyapatite/polyethylene glycol electrospun scaffold. <i>RSC Advances</i> , 2019, 9, 33941-33948.	3.6	9
71	Ultrahigh Li-ion conductive single-ion polymer electrolyte containing fluorinated polysulfonamide for quasi-solid-state Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24251-24261.	10.3	41
72	Performance Enhanced SAPO-34 Catalyst for Methanol to Olefins: Template Synthesis Using a CO ₂ -Based Polyurea. <i>Catalysts</i> , 2019, 9, 16.	3.5	10

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73	Polymers for high performance Li-S batteries: Material selection and structure design. <i>Progress in Polymer Science</i> , 2019, 89, 19-60.	24.7	103
74	Low-Carbon and Nanosheathed ZnCo ₂ O ₄ Spheroids with Porous Architecture for Boosted Lithium Storage Properties. <i>Research</i> , 2019, 2019, 1354829.	5.7	4
75	Pseudocapacitive Sodium Storage by Ferroelectric SnP ₂ S ₆ with Layered Nanostructure. <i>Small</i> , 2018, 14, e1704367.	10.0	37
76	Ionically cross-linked PEDOT:PSS as a multi-functional conductive binder for high-performance lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1574-1581.	4.9	74
77	Synthesis and properties of CO ₂ -based plastics: Environmentally-friendly, energy-saving and biomedical polymeric materials. <i>Progress in Polymer Science</i> , 2018, 80, 163-182.	24.7	162
78	Carbon felt interlayer derived from rice paper and its synergistic encapsulation of polysulfides for lithium-sulfur batteries. <i>Applied Surface Science</i> , 2018, 441, 914-922.	6.1	46
79	<i>In situ</i> template synthesis of hierarchical porous carbon used for high performance lithium-sulfur batteries. <i>RSC Advances</i> , 2018, 8, 4503-4513.	3.6	13
80	Transparent and super-gas-barrier PET film with surface coated by a polyelectrolyte and Borax. <i>Polymer Journal</i> , 2018, 50, 239-250.	2.7	20
81	TiO ₂ -Doped CeO ₂ Nanorod Catalyst for Direct Conversion of CO ₂ and CH ₃ OH to Dimethyl Carbonate: Catalytic Performance and Kinetic Study. <i>ACS Omega</i> , 2018, 3, 198-207.	3.5	89
82	Correlation Between Crystallization Behavior and Mechanical Properties of Biodegradable Poly(Caprolactone-co-Cyclohexene Carbonate). <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1530-1541.	1.9	3
83	Multiblock copolymers of PPC with oligomeric PBS: with low brittle-toughness transition temperature. <i>RSC Advances</i> , 2018, 8, 14722-14731.	3.6	7
84	Nano-Brick Wall Architectures Account for Super Oxygen Barrier PET Film by Quadlayer Assembly of Polyelectrolytes and Î±-ZrP Nanoplatelets. <i>Polymers</i> , 2018, 10, 1082.	4.5	14
85	Nonstrained Î³-Butyrolactone to High-Molecular-Weight Poly(Î³-butyrolactone): Facile Bulk Polymerization Using Economical Ureas/Alkoxides. <i>Macromolecules</i> , 2018, 51, 9317-9322.	4.8	66
86	Study on Thermal Decomposition Behaviors of Terpolymers of Carbon Dioxide, Propylene Oxide, and Cyclohexene Oxide. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3723.	4.1	12
87	Effect of In-Situ Dehydration on Activity and Stability of CuNi ₂ O/Diatomite as Catalyst for Direct Synthesis of Dimethyl Carbonate. <i>Catalysts</i> , 2018, 8, 343.	3.5	5
88	Enhanced Properties of Biodegradable Poly(Propylene Carbonate)/Polyvinyl Formal Blends by Melting Compounding. <i>Polymers</i> , 2018, 10, 771.	4.5	8
89	A Functional Separator Coated with Sulfonated Poly(Styrene-ethylene-butylene-styrene) to Synergistically Enhance the Electrochemical Performance and Anti-Self-Discharge Behavior of Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 2555-2564.	5.1	21
90	Macrodiols Derived from CO ₂ -Based Polycarbonate as an Environmentally Friendly and Sustainable PVC Plasticizer: Effect of Hydrogen-Bond Formation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8476-8484.	6.7	30

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91	Effective Suppression of Lithium Dendrite Growth Using a Flexible Single-Ion Conducting Polymer Electrolyte. <i>Small</i> , 2018, 14, e1801420.	10.0	129
92	A novel epoxy resin-based cathode binder for low cost, long cycling life, and high-energy lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14315-14323.	10.3	47
93	Hierarchical Fe ₂ O ₃ @CNF fabric decorated with MoS ₂ nanosheets as a robust anode for flexible lithium-ion batteries exhibiting ultrahigh areal capacity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16890-16899.	10.3	61
94	Solid Acid Catalyst Based on Single-Layer \pm -Zirconium Phosphate Nanosheets for Biodiesel Production via Esterification. <i>Catalysts</i> , 2018, 8, 17.	3.5	47
95	Surface Reduced CeO ₂ Nanowires for Direct Conversion of CO ₂ and Methanol to Dimethyl Carbonate: Catalytic Performance and Role of Oxygen Vacancy. <i>Catalysts</i> , 2018, 8, 164.	3.5	24
96	Biodegradable and Toughened Composite of Poly(Propylene Carbonate)/Thermoplastic Polyurethane (PPC/TPU): Effect of Hydrogen Bonding. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2032.	4.1	19
97	In Situ Laminated Separator Using Nitrogen-Sulfur Codoped Two-Dimensional Carbon Material to Anchor Polysulfides for High-Performance Li-S Batteries. <i>ACS Applied Nano Materials</i> , 2018, 1, 3807-3816.	5.0	23
98	Highly safe lithium-ion batteries: High strength separator from polyformaldehyde/cellulose nanofibers blend. <i>Journal of Power Sources</i> , 2018, 400, 502-510.	7.8	64
99	Continuous Dimethyl Carbonate Synthesis from CO ₂ and Methanol Using Cu-Ni@VSiO as Catalyst Synthesized by a Novel Sulfuration Method. <i>Catalysts</i> , 2018, 8, 142.	3.5	14
100	A Novel Multiblock Copolymer of CO ₂ -Based PPC- <i>mb</i> -PBS: From Simulation to Experiment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5922-5930.	6.7	12
101	Kinetic and mechanistic investigation for the copolymerization of CO ₂ and cyclohexene oxide catalyzed by zinc complexes. <i>Polymer Chemistry</i> , 2017, 8, 3632-3640.	3.9	15
102	Network type sp ³ boron-based single-ion conducting polymer electrolytes for lithium ion batteries. <i>Journal of Power Sources</i> , 2017, 360, 98-105.	7.8	59
103	Effectively suppressing vanadium permeation in vanadium redox flow battery application with modified Nafion membrane with nacre-like nanoarchitectures. <i>Journal of Power Sources</i> , 2017, 352, 111-117.	7.8	54
104	Instantaneous carbonization of an acetylenic polymer into highly conductive graphene-like carbon and its application in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7015-7025.	10.3	26
105	Thermal degradation behavior of Copoly(propylene carbonate μ -caprolactone) investigated using TG/FTIR and Py-GC/MS methodologies. <i>Polymer Testing</i> , 2017, 58, 13-20.	4.8	15
106	Multi-shell tin phosphide nanospheres as high performance anode material for a sodium ion battery. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1944-1949.	4.9	29
107	Covalently immobilized ionic liquids on single layer nanosheets for heterogeneous catalysis applications. <i>Dalton Transactions</i> , 2017, 46, 13126-13134.	3.3	25
108	Oppositely Charged Polyurethane Microspheres with Tunable Zeta Potentials as an Injectable Dual-Loaded System for Bone Repair. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25808-25817.	8.0	29

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109	Toward Theoretically Cycling-Stable Lithium-Sulfur Battery Using a Foldable and Compositionally Heterogeneous Cathode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43640-43647.	8.0	18
110	Synthesis of Aliphatic Carbonate Macrodiols and Their Application as Sustainable Feedstock for Polyurethane. <i>ACS Omega</i> , 2017, 2, 3205-3213.	3.5	23
111	Polymer electrolytes for lithium polymer batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10038-10069.	10.3	1,048
112	Gradient terpolymers with long ϵ -caprolactone rich sequence derived from propylene oxide, CO ₂ , and ϵ -caprolactone catalyzed by zinc glutarate. <i>European Polymer Journal</i> , 2016, 84, 245-255.	5.4	18
113	Research Progress in the Phosgene-Free and Direct Synthesis of Dimethyl Carbonate from CO ₂ and Methanol. , 2016, , 363-385.		5
114	A Novel Single-Ion-Conducting Polymer Electrolyte Derived from CO ₂ -Based Multifunctional Polycarbonate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33642-33648.	8.0	80
115	Foldable and High Sulfur Loading 3D Carbon Electrode for High-performance Li-S Battery Application. <i>Scientific Reports</i> , 2016, 6, 33871.	3.3	23
116	Biodegradable PPC/(PVA-TPU) ternary blend blown films with enhanced mechanical properties. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	15
117	Electrochemical synthesis of dimethyl carbonate from CO ₂ and methanol over carbonaceous material supported DBU in a capacitor-like cell reactor. <i>RSC Advances</i> , 2016, 6, 40010-40016.	3.6	12
118	Mesoporous carbon materials prepared from litchi shell as sulfur encapsulator for lithium-sulfur battery application. <i>Journal of Power Sources</i> , 2016, 324, 547-555.	7.8	83
119	Designing Supported Ionic Liquids (ILs) within Inorganic Nanosheets for CO ₂ Capture Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5547-5555.	8.0	63
120	Ring-opening polymerization of ϵ -lactide and ϵ -caprolactone catalyzed by versatile tri-zinc complex: Synthesis of biodegradable polyester with gradient sequence structure. <i>European Polymer Journal</i> , 2016, 74, 109-119.	5.4	22
121	Synthesis of Co _{1.5} PW ₁₂ O ₄₀ and its catalytic performance of completely converting methanol to ethylene. <i>Chemical Communications</i> , 2016, 52, 1151-1153.	4.1	10
122	Poly(propylene carbonate)/aluminum flake composite films with enhanced gas barrier properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	13
123	Semi-crystalline terpolymers with varying chain sequence structures derived from CO ₂ , cyclohexene oxide and ϵ -caprolactone: one-step synthesis catalyzed by tri-zinc complexes. <i>Polymer Chemistry</i> , 2015, 6, 1533-1540.	3.9	28
124	A novel biodegradable polymeric surfactant synthesized from carbon dioxide, maleic anhydride and propylene epoxide. <i>Polymer Chemistry</i> , 2015, 6, 2076-2083.	3.9	40
125	Derivatization of diamondoids for functional applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6947-6961.	5.5	39
126	Thermal degradation of poly(lactide-co-propylene carbonate) measured by TG/FTIR and Py-GC/MS. <i>Polymer Degradation and Stability</i> , 2015, 117, 16-21.	5.8	26

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127	Nonisothermal crystallization behavior and kinetics of poly(l-lactide-co-propylene carbonate). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 877-883.	3.6	8
128	One-pot synthesis of terpolymers with long α -lactide rich sequence derived from propylene oxide, CO ₂ , and α -lactide catalyzed by zinc adipate. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1734-1741.	2.3	35
129	Specially designed carbon black nanoparticle-sulfur composite cathode materials with a novel structure for lithium-sulfur battery application. <i>Journal of Power Sources</i> , 2015, 285, 478-484.	7.8	45
130	A novel lithium-sulfur battery cathode from butadiene rubber-caged sulfur-rich polymeric composites. <i>RSC Advances</i> , 2015, 5, 38792-38800.	3.6	9
131	Lithium-Ion Batteries: A Rigid Naphthalenediimide Triangle for Organic Rechargeable Lithium-Ion Batteries (<i>Adv. Mater.</i> 18/2015). <i>Advanced Materials</i> , 2015, 27, 2948-2948.	21.0	1
132	Is a polymer semiconductor having a α -perfect-regular structure desirable for organic thin film transistors?. <i>Chemical Science</i> , 2015, 6, 3225-3235.	7.4	47
133	Cerium oxide-based catalysts made by template-precipitation for the dimethyl carbonate synthesis from Carbon dioxide and methanol. <i>Journal of Cleaner Production</i> , 2015, 103, 847-853.	9.3	49
134	Formation of Dimethyl Carbonate on Nature Clay Supported Bimetallic Copper-Nickel Catalysts. <i>Journal of Cleaner Production</i> , 2015, 103, 925-933.	9.3	25
135	Polysulfide rubber-based sulfur-rich composites as cathode material for high energy lithium/sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16067-16072.	7.1	16
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