

Shuanjin Wang

List of Publications by Year in descending order

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190
papers

10,736
citations

34016

52
h-index

38300

95
g-index

191
all docs

191
docs citations

191
times ranked

10379
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of TSV Protrusion in 3DIC Integration by Directly Loading on Coarse-Grained Phase-Field Crystal Model. <i>Electronics (Switzerland)</i> , 2022, 11, 221.	1.8	3
2	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.	1.3	7
3	Effect of water management in membrane and cathode catalyst layers on suppressing the performance hysteresis phenomenon in anion-exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2022, 522, 230997.	4.0	13
4	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.	2.3	5
5	Polybenzimidazole Confined in Semi-Interpenetrating Networks of Crosslinked Poly (Arylene Ether) Tj ETQq1 1 0.784314 rgBI /Overl	1.9	7
6	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.	5.2	26
7	Excavating Anomalous Capacity Increase of Li-S Pouch Cells by Electrochemical Oscillation Formation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22197-22205.	4.0	2
8	A rechargeable Li-CO ₂ battery based on the preservation of dimethyl sulfoxide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13821-13828.	5.2	13
9	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.	2.2	10
10	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.	1.3	25
11	Organic liquid electrolytes in Li-S batteries: actualities and perspectives. <i>Energy Storage Materials</i> , 2021, 34, 128-147.	9.5	63
12	Catalytic materials for direct synthesis of dimethyl carbonate (DMC) from CO ₂ . <i>Journal of Cleaner Production</i> , 2021, 279, 123344.	4.6	81
13	Polymer-Based Solid Electrolytes: Material Selection, Design, and Application. <i>Advanced Functional Materials</i> , 2021, 31, 2007598.	7.8	164
14	Transparency Change Mechanochromism Based on a Robust PDMS-Hydrogel Bilayer Structure. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000446.	2.0	21
15	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.	2.0	12
16	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.	4.0	27
17	Covalent Organic Frameworks with Low Surface Work Function Enabled Stable Lithium Anode. <i>Small</i> , 2021, 17, e2101496.	5.2	23
18	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.	3.3	23

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19	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.	5.2	28
20	Addressing interface elimination: Boosting comprehensive performance of all-solid-state Li-S battery. <i>Energy Storage Materials</i> , 2021, 41, 563-570.	9.5	22
21	Artificial Single-Ion Conducting Polymer Solid Electrolyte Interphase Layer toward Highly Stable Lithium Anode. <i>ACS Applied Energy Materials</i> , 2021, 4, 862-869.	2.5	18
22	Ionically Crosslinked Composite Membranes from Polybenzimidazole and Sulfonated Poly (fluorenyl) Tj ETQqO O O rgBT /Overlock 10 Tf s 114509.	1.3	6
23	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.	2.5	28
24	Construction of KB@ZIF-8/PP Composite Separator for Lithium-Sulfur Batteries with Enhanced Electrochemical Performance. <i>Polymers</i> , 2021, 13, 4210.	2.0	5
25	Lithium (4-styrenesulfonyl) (trifluoromethanesulfonyl) imide based single-ion polymer electrolyte with superior battery performance. <i>Energy Storage Materials</i> , 2020, 24, 579-587.	9.5	61
26	Strategizing the relation between urbanization and air pollution: Empirical evidence from global countries. <i>Journal of Cleaner Production</i> , 2020, 243, 118615.	4.6	132
27	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.	3.2	25
28	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.	7.8	136
29	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.	3.2	51
30	A Highly Immobilized Organic Anode Material for High Performance Rechargeable Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36237-36246.	4.0	19
31	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.	0.8	0
32	Comprehensive evaluation of safety performance and failure mechanism analysis for lithium sulfur pouch cells. <i>Energy Storage Materials</i> , 2020, 30, 87-97.	9.5	65
33	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.	4.0	5
34	Effective suppression of lithium dendrite growth using fluorinated polysulfonamide-containing single-ion conducting polymer electrolytes. <i>Materials Advances</i> , 2020, 1, 873-879.	2.6	11
35	Design of dental implants at materials level: An overview. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1634-1661.	2.1	38
36	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.	4.0	42

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37	Strategies for inhibiting anode dendrite growth in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4629-4646.	5.2	54
38	Semi-interpenetrating Network Membrane from Polyethyleneimine-Epoxy Resin and Polybenzimidazole for HT-PEM Fuel Cells. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-8.	0.8	12
39	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.	0.8	10
40	Both Phosphonic Acid- and Fluorine-Containing Poly(aryl ether)-hydroxyapatite Biocomposites: Toward Enhanced Biocompatibility and Bone-like Elastic Modulus. <i>ACS Applied Bio Materials</i> , 2020, 3, 9019-9030.	2.3	4
41	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.	1.7	15
42	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.	4.0	24
43	Co-Ni Cyanide Bi-Metal Catalysts: Copolymerization of Carbon Dioxide with Propylene Oxide and Chain Transfer Agents. <i>Catalysts</i> , 2019, 9, 632.	1.6	12
44	CO ₂ derived biodegradable polycarbonates: Synthesis, modification and applications. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019, 2, 143-160.	2.7	32
45	A novel thermoplastic elastomer from double CO ₂ -Route oligomers. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019, 2, 186-195.	2.7	4
46	CO ₂ Nanoenrichment and Nanoconfinement in Cage of Imine Covalent Organic Frameworks for High-Performance CO ₂ Cathodes in Li-CO ₂ Batteries. <i>Small</i> , 2019, 15, e1904830.	5.2	45
47	Hierarchical NiCoP/C Hollow Nanoflowers for Enhanced Lithium Storage. <i>ACS Applied Nano Materials</i> , 2019, 2, 6880-6888.	2.4	16
48	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.	4.0	21
49	One-Pot Synthesis of Dimethyl Hexane-1,6-diyldicarbamate 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.	3.2	29
50	Porous composite membrane of PVDF/Sulfonic silica with high ion selectivity for vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2019, 585, 230-237.	4.1	42
51	Polyphenylene Sulfide Separator for High Safety Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1644-A1652.	1.3	18
52	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.	2.0	20
53	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.	2.5	60
54	Is superparelectric 2-dimensional Sn ₂ P ₂ S ₆ having a higher dielectric constant-desirable for more real Na ⁺ pseudocapacitance?. <i>Nano Energy</i> , 2019, 61, 462-470.	8.2	8

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55	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.	1.9	38
56	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.	5.2	66
57	Heteropolyacid Salt Catalysts for Methanol Conversion to Hydrocarbons and Dimethyl Ether: Effect of Reaction Temperature. <i>Catalysts</i> , 2019, 9, 320.	1.6	16
58	Spatial Heterogeneity in the Determinants of Urban Form: An Analysis of Chinese Cities with a GWR Approach. <i>Sustainability</i> , 2019, 11, 479.	1.6	20
59	Fully alternating sustainable polyesters from epoxides and cyclic anhydrides: economical and metal-free dual catalysis. <i>Green Chemistry</i> , 2019, 21, 2469-2477.	4.6	61
60	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.	5.4	31
61	Does modernization affect carbon dioxide emissions? A panel data analysis. <i>Science of the Total Environment</i> , 2019, 663, 426-435.	3.9	66
62	Examining the spatially varying effects of factors on PM _{2.5} concentrations in Chinese cities using geographically weighted regression modeling. <i>Environmental Pollution</i> , 2019, 248, 792-803.	3.7	70
63	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.	5.2	41
64	Performance Enhanced SAPO-34 Catalyst for Methanol to Olefins: Template Synthesis Using a CO ₂ -Based Polyurea. <i>Catalysts</i> , 2019, 9, 16.	1.6	10
65	Polymers for high performance Li-S batteries: Material selection and structure design. <i>Progress in Polymer Science</i> , 2019, 89, 19-60.	11.8	103
66	Low-Carbon and Nanosheathed ZnCo ₂ O ₄ Spheroids with Porous Architecture for Boosted Lithium Storage Properties. <i>Research</i> , 2019, 2019, 1354829.	2.8	4
67	Pseudocapacitive Sodium Storage by Ferroelectric Sn ₂ P ₂ S ₆ with Layered Nanostructure. <i>Small</i> , 2018, 14, e1704367.	5.2	37
68	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.	11.8	162
69	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.	3.1	46
70	<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.	1.7	13
71	Transparent and super-gas-barrier PET film with surface coated by a polyelectrolyte and Borax. <i>Polymer Journal</i> , 2018, 50, 239-250.	1.3	20
72	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.	1.6	89

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73	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
74	Multiblock copolymers of PPC with oligomeric PBS: with low brittle-toughness transition temperature. <i>RSC Advances</i> , 2018, 8, 14722-14731.	1.7	7
75	Urbanization, economic growth, energy consumption, and CO2 emissions: Empirical evidence from countries with different income levels. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 2144-2159.	8.2	381
76	Examining the effects of socioeconomic development on fine particulate matter (PM2.5) in China's cities using spatial regression and the geographical detector technique. <i>Science of the Total Environment</i> , 2018, 619-620, 436-445.	3.9	189
77	Nano-Brick Wall Architectures Account for Super Oxygen Barrier PET Film by Quadlayer Assembly of Polyelectrolytes and ZrP Nanoplatelets. <i>Polymers</i> , 2018, 10, 1082.	2.0	14
78	Nonstrained β -Butyrolactone to High-Molecular-Weight Poly(β -butyrolactone): Facile Bulk Polymerization Using Economical Ureas/Alkoxides. <i>Macromolecules</i> , 2018, 51, 9317-9322.	2.2	66
79	Effect of In-Situ Dehydration on Activity and Stability of Cu-Ni/K ₂ O/Diatomite as Catalyst for Direct Synthesis of Dimethyl Carbonate. <i>Catalysts</i> , 2018, 8, 343.	1.6	5
80	Enhanced Properties of Biodegradable Poly(Propylene Carbonate)/Polyvinyl Formal Blends by Melting Compounding. <i>Polymers</i> , 2018, 10, 771.	2.0	8
81	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.	2.5	21
82	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.	3.2	30
83	Effective Suppression of Lithium Dendrite Growth Using a Flexible Single-Ion Conducting Polymer Electrolyte. <i>Small</i> , 2018, 14, e1801420.	5.2	129
84	Effect of Alkali-Doping on the Performance of Diatomite Supported Cu-Ni Bimetal Catalysts for Direct Synthesis of Dimethyl Carbonate. <i>Catalysts</i> , 2018, 8, 302.	1.6	12
85	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.	5.2	61
86	Examining the Impacts of Urban Form on Air Pollution in Developing Countries: A Case Study of China's Megacities. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1565.	1.2	68
87	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.	1.6	24
88	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.	1.8	19
89	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.	2.4	23
90	Highly safe lithium-ion batteries: High strength separator from polyformaldehyde/cellulose nanofibers blend. <i>Journal of Power Sources</i> , 2018, 400, 502-510.	4.0	64

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91	Dose urban landscape pattern affect CO ₂ emission efficiency? Empirical evidence from megacities in China. <i>Journal of Cleaner Production</i> , 2018, 203, 164-178.	4.6	53
92	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.	1.6	14
93	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.	3.2	12
94	Kinetic and mechanistic investigation for the copolymerization of CO ₂ and cyclohexene oxide catalyzed by trizinc complexes. <i>Polymer Chemistry</i> , 2017, 8, 3632-3640.	1.9	15
95	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.	4.0	59
96	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.	4.0	54
97	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.	5.2	26
98	Examining the impacts of socioeconomic factors, urban form, and transportation networks on CO ₂ emissions in China's megacities. <i>Applied Energy</i> , 2017, 185, 189-200.	5.1	306
99	Edge sulfurized graphene nanoplatelets via vacuum mechano-chemical reaction for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2017, 26, 522-529.	7.1	26
100	Thermal degradation behavior of Copoly(propylene carbonate- $\hat{\mu}$ -caprolactone) investigated using TG/FTIR and Py-GC/MS methodologies. <i>Polymer Testing</i> , 2017, 58, 13-20.	2.3	15
101	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.	2.5	29
102	Toward Theoretically Cycling-Stable Lithium-Sulfur Battery Using a Foldable and Compositionally Heterogeneous Cathode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43640-43647.	4.0	18
103	Synthesis of Aliphatic Carbonate Macrodiols and Their Application as Sustainable Feedstock for Polyurethane. <i>ACS Omega</i> , 2017, 2, 3205-3213.	1.6	23
104	The characteristics and drivers of fine particulate matter (PM _{2.5}) distribution in China. <i>Journal of Cleaner Production</i> , 2017, 142, 1800-1809.	4.6	287
105	Polymer electrolytes for lithium polymer batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10038-10069.	5.2	1,048
106	Gradient terpolymers with long $\hat{\mu}$ -caprolactone rich sequence derived from propylene oxide, CO ₂ , and $\hat{\mu}$ -caprolactone catalyzed by zinc glutarate. <i>European Polymer Journal</i> , 2016, 84, 245-255.	2.6	18
107	A Novel Single-Ion-Conducting Polymer Electrolyte Derived from CO ₂ -Based Multifunctional Polycarbonate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33642-33648.	4.0	80
108	Foldable and High Sulfur Loading 3D Carbon Electrode for High-performance Li-S Battery Application. <i>Scientific Reports</i> , 2016, 6, 33871.	1.6	23

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109	Biodegradable PPC/(PVA-TPU) ternary blend blown films with enhanced mechanical properties. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	15
110	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.	1.7	12
111	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.	4.0	83
112	Spatiotemporal variations of energy-related CO ₂ emissions in China and its influencing factors: An empirical analysis based on provincial panel data. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 505-515.	8.2	201
113	Ring-opening polymerization of l-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.	2.6	22
114	The relationship between economic growth, energy consumption, and CO ₂ emissions: Empirical evidence from China. <i>Science of the Total Environment</i> , 2016, 542, 360-371.	3.9	441
115	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.	2.2	10
116	Poly(propylene carbonate)/aluminum flake composite films with enhanced gas barrier properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	13
117	Advanced Technologies for Liquid Redox Rechargeable Batteries. <i>Electrochemical Energy Storage and Conversion</i> , 2015, , 515-534.	0.0	0
118	A Rigid Naphthalenediimide Triangle for Organic Rechargeable Lithium-Ion Batteries. <i>Advanced Materials</i> , 2015, 27, 2907-2912.	11.1	145
119	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.	1.9	28
120	A novel biodegradable polymeric surfactant synthesized from carbon dioxide, maleic anhydride and propylene epoxide. <i>Polymer Chemistry</i> , 2015, 6, 2076-2083.	1.9	40
121	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.	2.7	26
122	Nonisothermal crystallization behavior and kinetics of poly(l-lactide-co-propylene carbonate). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 877-883.	2.0	8
123	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.	2.5	35
124	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.	4.0	45
125	A novel lithium-sulfur battery cathode from butadiene rubber-caged sulfur-rich polymeric composites. <i>RSC Advances</i> , 2015, 5, 38792-38800.	1.7	9
126	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.	11.1	1

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127	Changing urban forms and carbon dioxide emissions in China: A case study of 30 provincial capital cities. <i>Applied Energy</i> , 2015, 158, 519-531.	5.1	272
128	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.	4.6	49
129	Quantifying the relationship between urban development intensity and carbon dioxide emissions using a panel data analysis. <i>Ecological Indicators</i> , 2015, 49, 121-131.	2.6	220
130	Formation of Dimethyl Carbonate on Nature Clay Supported Bimetallic Copper-Nickel Catalysts. <i>Journal of Cleaner Production</i> , 2015, 103, 925-933.	4.6	25
131	Amphoteric ion exchange membrane synthesized by direct polymerization for vanadium redox flow battery application. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16123-16131.	3.8	51
132	Preparation and characterization of a novel layer-by-layer porous composite membrane for vanadium redox flow battery (VRB) applications. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16088-16095.	3.8	28
133	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.	3.8	16
134	Urbanisation, energy consumption, and carbon dioxide emissions in China: A panel data analysis of China's provinces. <i>Applied Energy</i> , 2014, 136, 738-749.	5.1	371
135	Sulfur-rich polymeric materials with semi-interpenetrating network structure as a novel lithium-sulfur cathode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9280.	5.2	149
136	Electrostatic shield effect: an effective way to suppress dissolution of polysulfide anions in lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15938-15944.	5.2	42
137	Mechanism studies of terpolymerization of phthalic anhydride, propylene epoxide, and carbon dioxide catalyzed by ZnGA. <i>RSC Advances</i> , 2014, 4, 9503-9508.	1.7	52
138	Novel Hierarchically Porous Carbon Materials Obtained from Natural Biopolymer as Host Matrixes for Lithium-Sulfur Battery Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13174-13182.	4.0	133
139	Activities comparison of Schiff base zinc and tri-zinc complexes for alternating copolymerization of CO ₂ and epoxides. <i>Polymer Chemistry</i> , 2014, 5, 3838.	1.9	21
140	Spatial differences and multi-mechanism of carbon footprint based on GWR model in provincial China. <i>Journal of Chinese Geography</i> , 2014, 24, 612-630.	1.5	84
141	Mechanical properties of block poly(propylene carbonate-cyclohexyl carbonate) investigated by nanoindentation and DMA methodologies. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1979-1986.	1.3	1
142	Zinc adipate/tertiary amine catalytic system: efficient synthesis of high molecular weight poly(propylene carbonate). <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	21
143	Layer-by-layer self-assembly of PDDA/PSS-SPFEK composite membrane with low vanadium permeability for vanadium redox flow battery. <i>RSC Advances</i> , 2013, 3, 15467.	1.7	54
144	Structure properties of a highly luminescent yellow emitting material for OLED and its application. <i>RSC Advances</i> , 2013, 3, 215-220.	1.7	11

#	ARTICLE	IF	CITATIONS
145	Sulfur@graphene oxide core-shell particles as a rechargeable lithium-sulfur battery cathode material with high cycling stability and capacity. RSC Advances, 2013, 3, 4914.	1.7	88
146	Layered zirconium phosphate sulfophenylphosphonates reinforced sulfonated poly (fluorenyl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 of Membrane Science, 2013, 443, 19-27.	4.1	42
147	Porous Diatomite-Immobilized Cu-Ni Bimetallic Nanocatalysts for Direct Synthesis of Dimethyl Carbonate. Journal of Nanomaterials, 2012, 2012, 1-8.	1.5	9
148	Direct Synthesis of Dimethyl Carbonate from CO ₂ and CH ₃ OH Using 0.4 nm Molecular Sieve Supported Cu-Ni Bimetal Catalyst. Chinese Journal of Chemical Engineering, 2012, 20, 906-913.	1.7	40
149	Novel Cu-Fe bimetal catalyst for the formation of dimethyl carbonate from carbon dioxide and methanol. RSC Advances, 2012, 2, 6831.	1.7	53
150	Directly fluorinated polyaromatic composite membranes for vanadium redox flow batteries. Journal of Membrane Science, 2012, 415-416, 139-144.	4.1	22
151	A proton exchange membrane fabricated from a chemically heterogeneous nonwoven with sandwich structure by the program-controlled co-electrospinning process. Chemical Communications, 2012, 48, 3415.	2.2	39
152	Synthesis and characterization of quaternary ammonium functionalized fluorene-containing cardo polymers for potential anion exchange membrane water electrolyzer applications. International Journal of Hydrogen Energy, 2012, 37, 16168-16176.	3.8	21
153	Novel ternary block copolymerization of carbon dioxide with cyclohexene oxide and propylene oxide using zinc complex catalyst. Journal of Polymer Research, 2012, 19, 1.	1.2	11
154	Sulfonated poly(fluorenyl ether ketone) ionomers containing aliphatic functional segments for fuel cell applications. International Journal of Hydrogen Energy, 2012, 37, 4553-4562.	3.8	14
155	Novel polyaromatic ionomers with large hydrophilic domain and long hydrophobic chain targeting at highly proton conductive and stable membranes. Journal of Materials Chemistry, 2011, 21, 12068.	6.7	38
156	Synthesis of sulfonated poly(fluorenyl ether thioether ketone)s with bulky-block structure and its application in vanadium redox flow battery. Polymer, 2011, 52, 5312-5319.	1.8	39
157	Miscibility, properties and morphology of biodegradable blends of UHMW-PPC/PVA/EVOH. Journal of Polymer Research, 2011, 18, 715-720.	1.2	15
158	Copolymerization of propylene oxide and carbon dioxide in the presence of diphenylmethane diisocyanate. Journal of Polymer Research, 2011, 18, 1479-1486.	1.2	15
159	Synthesis and properties of polycyclic phosphonate resins using one-pot method under ultrasound irradiation. Journal of Polymer Research, 2011, 18, 2351-2358.	1.2	1
160	Surface Fluorination of Poly(fluorenyl ether ketone) Ionomers as Proton Exchange Membranes for Fuel Cell Application. Fuel Cells, 2011, 11, 353-360.	1.5	10
161	Preparation and properties of biodegradable blend containing poly (propylene carbonate) and starch acetate with different degrees of substitution. Carbohydrate Polymers, 2011, 86, 1260-1265.	5.1	48
162	Synthesis and properties of novel sulfonated poly(arylene ether sulfone) ionomers for vanadium redox flow battery. Energy Conversion and Management, 2010, 51, 2816-2824.	4.4	75

#	ARTICLE	IF	CITATIONS
163	Preparation and properties of sulfonated poly(fluorenyl ether ketone) membrane for vanadium redox flow battery application. <i>Journal of Power Sources</i> , 2010, 195, 2089-2095.	4.0	137
164	Sulfonated poly (fluorenyl ether ketone) membrane with embedded silica rich layer and enhanced proton selectivity for vanadium redox flow battery. <i>Journal of Power Sources</i> , 2010, 195, 7701-7708.	4.0	82
165	Synthesis and characterization of novel sulfonated poly(arylene thioether) ionomers for vanadium redox flow battery applications. <i>Energy and Environmental Science</i> , 2010, 3, 622-628.	15.6	115
166	Synthesis, characterization and electroluminescence properties of iridium complexes based on pyridazine and phthalazine derivatives with C ^N N structure. <i>Synthetic Metals</i> , 2010, 160, 2231-2238.	2.1	29
167	Mechanical, Thermal, and Morphological Properties of Glass Fiber-reinforced Biodegradable Poly(propylene carbonate) Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 1545-1550.	1.6	36
168	EFFECTS OF REACTION TIME AND PRESSURE ON THE COPOLYMERIZATION OF CARBON DIOXIDE AND PROPYLENE OXIDE USING SUPPORTED ZINC GLUTARATE CATALYST. <i>Acta Polymerica Sinica</i> , 2010, 010, 1148-1151.	0.0	3
169	Highly effective synthesis of dimethyl carbonate from methanol and carbon dioxide using a novel copper-nickel/graphite bimetallic nanocomposite catalyst. <i>Chemical Engineering Journal</i> , 2009, 147, 287-296.	6.6	116
170	Highly Active SO ₄ ²⁻ /TiO ₂ -ZrO ₂ Catalysts for the Esterification Between Terephthalic Acid and 1,3-Propanediol. <i>Catalysis Letters</i> , 2009, 131, 305-311.	1.4	4
171	Cross-linkable and thermally stable aliphatic polycarbonates derived from CO ₂ , propylene oxide and maleic anhydride. <i>Journal of Polymer Research</i> , 2009, 16, 91-97.	1.2	29
172	A highly efficient tris-cyclometalated iridium complex based on phenylphthalazine derivative for organic light-emitting diodes. <i>Organic Electronics</i> , 2009, 10, 618-622.	1.4	29
173	Highly effective direct synthesis of DMC from CH ₃ OH and CO ₂ using novel Cu-Ni/C bimetallic composite catalysts. <i>Chinese Chemical Letters</i> , 2009, 20, 352-355.	4.8	22
174	Thermal degradation and isothermal crystalline behavior of poly(trimethylene terephthalate). <i>Chinese Chemical Letters</i> , 2009, 20, 487-491.	4.8	10
175	Direct synthesis of DMC from CH ₃ OH and CO ₂ over V-doped Cu-Ni/AC catalysts. <i>Catalysis Communications</i> , 2009, 10, 1142-1145.	1.6	66
176	Graphite oxide as a novel host material of catalytically active Cu-Ni bimetallic nanoparticles. <i>Catalysis Communications</i> , 2009, 10, 1529-1533.	1.6	46
177	Fabrication and properties of degradable PPC/EVOH/starch/CaCO ₃ composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008, 23, 362-366.	0.4	10
178	Nearly 100% internal phosphorescence efficiency in a polymer light-emitting diode using a new iridium complex phosphor. <i>Journal of Materials Chemistry</i> , 2008, 18, 1636.	6.7	98
179	Near-infrared luminescent lanthanide (Er, Nd) complexes covalently bonded to a terpyridine-functionalized silica matrix. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 519.	1.6	19
180	Poly(Arylene Ether)s with Sulfonic Acid Groups on the Backbone and Pendant for Proton Exchange Membranes Used in PEMFC Applications. <i>Fuel Cells</i> , 2007, 7, 232-237.	1.5	27

#	ARTICLE	IF	CITATIONS
181	Preparation and properties of electrically conductive PPS/expanded graphite nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 2528-2534.	3.8	195
182	Direct synthesis of dimethyl carbonate from carbon dioxide and methanol using supported copper (Ni, Tj ETQq0 0 0 rgBT /Overlock 10	4.8	67
183	Novel luminescent lanthanide complexes covalently linked to a terpyridine-functionalized silica network. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 191, 74-79.	2.0	27
184	Foaming and chain extension of completely biodegradable poly(propylene carbonate) using DPT as blowing agent. <i>Journal of Polymer Research</i> , 2007, 14, 245-251.	1.2	19
185	Sulfonated poly(flourenyl ether ketone) membrane prepared via direct polymerization for PEM fuel cell application. <i>Journal of Membrane Science</i> , 2006, 280, 433-441.	4.1	76
186	Syntheses, Structures and Proton Conductivities of Polyphthalazinone Ionomers Derived from a Direct Ni ξ C Coupling Reaction. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 653-659.	1.1	4
187	Completely biodegradable composites of poly(propylene carbonate) and short, lignocellulose fiberHildegardia populifolia. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 666-675.	2.4	115
188	Synthesis and degradation behavior of poly(propylene carbonate) derived from carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1840-1846.	1.3	89
189	Synthesis and Sulfonation of Poly(aryl ethers) Containing Triphenyl Methane and Tetraphenyl Methane Moieties from Isocyanate-Masked Bisphenols. <i>Macromolecules</i> , 2004, 37, 3151-3158.	2.2	83
190	Synthesis and characterization of alternating copolymer from carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2327-2334.	1.3	103