

# Lei Wang

## List of Publications by Year in descending order

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197  
papers

7,515  
citations

50276

46  
h-index

82547

72  
g-index

198  
all docs

198  
docs citations

198  
times ranked

6234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Structure–Function Relationships of Aggregation-Induced Emission Luminogens for Simultaneous Dual Applications of Specific Discrimination and Efficient Photodynamic Killing of Gram-Positive Bacteria. <i>Journal of the American Chemical Society</i> , 2019, 141, 16781-16789.	13.7	295
2	An All-Round Athlete on the Track of Phototheranostics: Subtly Regulating the Balance between Radiative and Nonradiative Decays for Multimodal Imaging-Guided Synergistic Therapy. <i>Advanced Materials</i> , 2020, 32, e2003210.	21.0	259
3	Boosting the Yield of MXene 2D Sheets via a Facile Hydrothermal-Assisted Intercalation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8443-8452.	8.0	178
4	Effect of degree of sulfonation and casting solvent on sulfonated poly(ether ether ketone) membrane for vanadium redox flow battery. <i>Journal of Power Sources</i> , 2015, 285, 195-204.	7.8	167
5	Self-Standing Polypyrrole/Black Phosphorus Laminated Film: Promising Electrode for Flexible Supercapacitor with Enhanced Capacitance and Cycling Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3538-3548.	8.0	159
6	In-situ Electrochemically Activated Surface Vanadium Valence in V <sub>2</sub> C MXene to Achieve High Capacity and Superior Rate Performance for Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2008033.	14.9	156
7	Paper-Based Ratiometric Fluorescence Analytical Devices towards Point-of-Care Testing of Human Serum Albumin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3131-3136.	13.8	146
8	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and High-Power Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2019, 29, 1901336.	14.9	145
9	Nanomaterials with Supramolecular Assembly Based on AIE Luminogens for Theranostic Applications. <i>Advanced Materials</i> , 2020, 32, e2004208.	21.0	143
10	Facile Processing of Free-Standing Polyaniline/SWCNT Film as an Integrated Electrode for Flexible Supercapacitor Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33791-33801.	8.0	139
11	Nanoscale Mixed-Component Metal–Organic Frameworks with Photosensitizer Spatial-Arrangement-Dependent Photochemistry for Multimodal-Imaging-Guided Photothermal Therapy. <i>Chemistry of Materials</i> , 2018, 30, 6867-6876.	6.7	122
12	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100757.	19.5	99
13	Donor–Bridge Manipulation for Constructing a Stable NIR Aggregation-Induced Emission Luminogen with Balanced Phototheranostic Performance**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26769-26776.	13.8	96
14	Enhancement of the thermoelectric property of nanostructured polyaniline/carbon nanotube composites by introducing pyrrole unit onto polyaniline backbone via a sustainable method. <i>Chemical Engineering Journal</i> , 2019, 370, 322-329.	12.7	94
15	Constructing multifunctional “Nanoplatelet-on-Nanoarray”™ electrocatalyst with unprecedented activity towards novel selective organic oxidation reactions to boost hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119339.	20.2	93
16	Conjugated System of PEDOT:PSS-Induced Self-Doped PANI for Flexible Zinc-Ion Batteries with Enhanced Capacity and Cyclability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30943-30952.	8.0	89
17	Branched comb-shaped poly(arylene ether sulfone)s containing flexible alkyl imidazolium side chains as anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10879-10890.	10.3	88
18	Zwitterionic AIEgens: Rational Molecular Design for NIR Fluorescence Imaging-Guided Synergistic Phototherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2007026.	14.9	87

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19	Nickel-iron phosphides nanorods derived from bimetallic-organic frameworks for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2018, 457, 1081-1086.	6.1	86
20	Synthesis and properties of highly branched star-shaped sulfonated block poly(arylene ether)s as proton exchange membranes. <i>Journal of Membrane Science</i> , 2015, 473, 226-236.	8.2	82
21	Crosslinked polybenzimidazole containing branching structure with no sacrifice of effective N-H sites: Towards high-performance high-temperature proton exchange membranes for fuel cells. <i>Journal of Membrane Science</i> , 2019, 583, 110-117.	8.2	82
22	Highly Conductive Polybenzimidazole Membranes at Low Phosphoric Acid Uptake with Excellent Fuel Cell Performances by Constructing Long-Range Continuous Proton Transport Channels Using a Metal-Organic Framework (UIO-66). <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41350-41358.	8.0	78
23	Sulfonic-Group-Grafted Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene: A Silver Bullet to Settle the Instability of Polyaniline toward High-Performance Zn-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 9065-9075.	14.6	78
24	Crosslinked polybenzimidazoles containing branching structure as membrane materials with excellent cell performance and durability for fuel cell applications. <i>Journal of Power Sources</i> , 2018, 389, 222-229.	7.8	75
25	Achieving high power density and excellent durability for high temperature proton exchange membrane fuel cells based on crosslinked branched polybenzimidazole and metal-organic frameworks. <i>Journal of Membrane Science</i> , 2021, 630, 119288.	8.2	73
26	Synthesis and preparation of branched block polybenzimidazole membranes with high proton conductivity and single-cell performance for use in high temperature proton exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2020, 602, 117981.	8.2	67
27	Acid-base membranes of imidazole-based sulfonated polyimides for vanadium flow batteries. <i>Journal of Membrane Science</i> , 2018, 552, 167-176.	8.2	65
28	Cross-linked polybenzimidazoles containing hyperbranched cross-linkers and quaternary ammoniums as high-temperature proton exchange membranes: Enhanced stability and conductivity. <i>Journal of Membrane Science</i> , 2020, 593, 117435.	8.2	65
29	Bifunctional Pt-Co <sub>3</sub> O <sub>4</sub> electrocatalysts for simultaneous generation of hydrogen and formate via energy-saving alkaline seawater/methanol co-electrolysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6316-6324.	10.3	65
30	Pillar[5]arene-Modified Gold Nanorods as Nanocarriers for Multimodal Imaging-Guided Synergistic Photodynamic-Photothermal Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2009924.	14.9	64
31	Aliphatic/aromatic sulfonated polyimide membranes with cross-linked structures for vanadium flow batteries. <i>Journal of Membrane Science</i> , 2019, 572, 119-127.	8.2	63
32	Synthesis and properties of highly branched star-shaped sulfonated block polymers with sulfoalkyl pendant groups for use as proton exchange membranes. <i>Journal of Membrane Science</i> , 2016, 497, 55-66.	8.2	62
33	Constructing novel cross-linked polybenzimidazole network for high-performance high-temperature proton exchange membrane. <i>Journal of Membrane Science</i> , 2022, 643, 120037.	8.2	60
34	Synthesis and properties of highly branched polybenzimidazoles as proton exchange membranes for high-temperature fuel cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4814-4821.	5.5	58
35	Preparation and investigation of block polybenzimidazole membranes with high battery performance and low phosphoric acid doping for use in high-temperature fuel cells. <i>Journal of Membrane Science</i> , 2019, 572, 350-357.	8.2	57
36	High-performance n-type thermoelectric composites of acridones with tethered tertiary amines and carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20161-20169.	10.3	55

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37	One-for-all phototheranostics: Single component AIE dots as multi-modality theranostic agent for fluorescence-photoacoustic imaging-guided synergistic cancer therapy. <i>Biomaterials</i> , 2021, 274, 120892.	11.4	55
38	Precise Molecular Engineering of Type I Photosensitizers with Near-Infrared Aggregation-Induced Emission for Image-Guided Photodynamic Killing of Multidrug-Resistant Bacteria. <i>Advanced Science</i> , 2022, 9, e2104079.	11.2	55
39	Synthesis of highly branched sulfonated polymers and the effects of degree of branching on properties of branched sulfonated polymers as proton exchange membranes. <i>Journal of Power Sources</i> , 2014, 262, 328-337.	7.8	54
40	Solvatochromic fluorescent probes for recognition of human serum albumin in aqueous solution: Insights into structure-property relationship. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 668-674.	7.8	54
41	The effect of the backbone structure on the thermoelectric properties of donor-acceptor conjugated polymers. <i>Polymer Chemistry</i> , 2017, 8, 4644-4650.	3.9	54
42	AIEgen-loaded nanofibrous membrane as photodynamic/photothermal antimicrobial surface for sunlight-triggered bioprotection. <i>Biomaterials</i> , 2021, 276, 121007.	11.4	53
43	Constructing stable continuous proton transport channels by in-situ preparation of covalent triazine-based frameworks in phosphoric acid-doped polybenzimidazole for high-temperature proton exchange membranes. <i>Journal of Membrane Science</i> , 2021, 640, 119775.	8.2	51
44	Hierarchical Porous RGO/PEDOT/PANI Hybrid for Planar/Linear Supercapacitor with Outstanding Flexibility and Stability. <i>Nano-Micro Letters</i> , 2020, 12, 17.	27.0	50
45	Phosphoric acid-doped polybenzimidazole with a leaf-like three-layer porous structure as a high-temperature proton exchange membrane for fuel cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26345-26353.	10.3	50
46	Synthesis and properties of reprocessable sulfonated polyimides cross-linked via acid stimulation for use as proton exchange membranes. <i>Journal of Power Sources</i> , 2017, 337, 110-117.	7.8	49
47	Achieving Balanced Charge Transport and Favorable Blend Morphology in Non-Fullerene Solar Cells via Acceptor End Group Modification. <i>Chemistry of Materials</i> , 2019, 31, 1752-1760.	6.7	48
48	Progress in application and preparation of silver nanowires. <i>Rare Metals</i> , 2016, 35, 289-298.	7.1	47
49	An effective strategy for the preparation of a wide-temperature-range proton exchange membrane based on polybenzimidazoles and polyacrylamide hydrogels. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3605-3615.	10.3	47
50	Tailoring the framework of organic small molecule semiconductors towards high-performance thermoelectric composites via conglutinated carbon nanotube webs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8323-8330.	10.3	46
51	Improvement in the mechanical properties, proton conductivity, and methanol resistance of highly branched sulfonated poly(arylene ether)/graphene oxide grafted with flexible alkylsulfonated side chains nanocomposite membranes. <i>Journal of Power Sources</i> , 2018, 378, 451-459.	7.8	46
52	A flavonoid-based fluorescent probe enables the accurate quantification of human serum albumin by minimizing the interference from blood lipids. <i>Chemical Communications</i> , 2019, 55, 13983-13986.	4.1	46
53	Shape-Persistent $\pi$ -Conjugated Macrocycles with Aggregation-Induced Emission Property: Synthesis, Mechano-fluorochromism, and Mercury(II) Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34232-34240.	8.0	45
54	Preparation and properties of highly branched sulfonated poly(ether ether ketone)s doped with antioxidant 1010 as proton exchange membranes. <i>Journal of Membrane Science</i> , 2011, 379, 440-448.	8.2	44

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55	Enhancement of Nafion based membranes for direct methanol fuel cell applications through the inclusion of ammonium-X zeolite fillers. <i>Journal of Power Sources</i> , 2015, 294, 369-376.	7.8	44
56	Effects of branching structures on the properties of phosphoric acid-doped polybenzimidazole as a membrane material for high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16694-16703.	7.1	44
57	Thermoelectric properties of composite films prepared with benzodithiophene derivatives and carbon nanotubes. <i>Composites Science and Technology</i> , 2017, 145, 40-45.	7.8	43
58	Enhanced thermoelectric properties of polyaniline/polypyrrole/carbon nanotube ternary composites by treatment with a secondary dopant using ferric chloride. <i>Journal of Materials Chemistry C</i> , 2020, 8, 528-535.	5.5	43
59	Toward Excellence of Electrocatalyst Design by Emerging Descriptor-Oriented Machine Learning. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	43
60	Unveiling the crucial contributions of electrostatic and dispersion interactions to the ultralong room-temperature phosphorescence of H-bond crosslinked poly(vinyl alcohol) films. <i>Materials Horizons</i> , 2022, 9, 1081-1088.	12.2	42
61	An environment-sensitive fluorescent probe for quantification of human serum albumin: Design, sensing mechanism, and its application in clinical diagnosis of hypoalbuminemia. <i>Dyes and Pigments</i> , 2018, 152, 60-66.	3.7	41
62	High-Performance N-Type Carbon Nanotube Composites: Improved Power Factor by Optimizing the Acridine Scaffold and Tailoring the Side Chains. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29320-29329.	8.0	41
63	High performance polyimides with good solubility and optical transparency formed by the introduction of alkyl and naphthalene groups into diamine monomers. <i>RSC Advances</i> , 2017, 7, 40996-41003.	3.6	40
64	Viscoelastic Conjugated Polymer Fluids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9581-9585.	13.8	40
65	A cell membrane-targeting AIE photosensitizer as a necroptosis inducer for boosting cancer theranostics. <i>Chemical Science</i> , 2022, 13, 5929-5937.	7.4	40
66	Controllable synthesis of a self-assembled ultralow Ru, Ni-doped Fe <sub>2</sub> O <sub>3</sub> lily as a bifunctional electrocatalyst for large-current-density alkaline seawater electrolysis. <i>Chinese Journal of Catalysis</i> , 2022, 43, 2202-2211.	14.0	39
67	Synthesis and properties of highly branched sulfonated poly(arylene ether)s as proton exchange membranes. <i>European Polymer Journal</i> , 2011, 47, 1985-1985.	5.4	38
68	Preparation and characterization of poly(3-octylthiophene)/carbon fiber thermoelectric composite materials. <i>Composites Part B: Engineering</i> , 2015, 69, 467-471.	12.0	37
69	Flexible gel-state thermoelectrochemical materials with excellent mechanical and thermoelectric performances based on incorporating Sn <sup>2+</sup> /Sn <sup>4+</sup> electrolyte into polymer/carbon nanotube composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3376-3380.	10.3	37
70	High performance p-type organic thermoelectric materials based on metalloporphyrin/single-walled carbon nanotube composite films. <i>Journal of Power Sources</i> , 2019, 423, 152-158.	7.8	37
71	The effects of polybenzimidazole nanofiber separator on the safety and performance of lithium-ion batteries: Characterization and analysis from the perspective of mechanism. <i>Journal of Power Sources</i> , 2020, 475, 228624.	7.8	37
72	Synthesis and characterization of poly-Schiff bases with a donor-acceptor structure containing thiophene units as thermoelectric materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2693-2701.	5.5	35

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73	Synthesis and properties of highly branched sulfonated poly(arylene ether)s with flexible alkylsulfonated side chains as proton exchange membranes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1326-1335.	5.5	35
74	Kinetics Features Conducive to Cache-Type Nonvolatile Phase-Change Memory. <i>Chemistry of Materials</i> , 2019, 31, 8794-8800.	6.7	35
75	Controllable and Diversiform Topological Morphologies of Self-Assembling Supra-Amphiphiles with Aggregation-Induced Emission Characteristics for Mimicking Light-Harvesting Antenna. <i>Advanced Science</i> , 2020, 7, 2001909.	11.2	35
76	Enhanced Li ion conductivity in Ge-doped $\text{Li}_{0.33}\text{La}_{0.56}\text{TiO}_3$ perovskite solid electrolytes for all-solid-state Li-ion batteries. <i>New Journal of Chemistry</i> , 2018, 42, 9074-9079.	2.8	34
77	Thermoelectrics of two-dimensional conjugated benzodithiophene-based polymers: density-of-states enhancement and semi-metallic behavior. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10422-10430.	10.3	34
78	A DS2-specific flavonoid-based probe with a unique dual-emissive response to human serum albumin. <i>Chemical Communications</i> , 2020, 56, 11094-11097.	4.1	33
79	AI-Egen-Based Polymer Nanocomposites for Imaging-Guided Photothermal Therapy. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4306-4318.	4.4	32
80	High-Performance All-Polymer Solar Cells with a High Fill Factor and a Broad Tolerance to the Donor/Acceptor Ratio. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38302-38309.	8.0	31
81	Constructing proton transport channels in low phosphoric-acid doped polybenzimidazole membrane by introducing metal-organic frameworks containing phosphoric-acid groups. <i>Journal of Power Sources</i> , 2021, 507, 230316.	7.8	31
82	Effect of electron donor/acceptor substituents on the Seebeck coefficient and thermoelectric properties of poly(3-methylthiophene methine)s/graphite composites. <i>Composites Part B: Engineering</i> , 2015, 77, 248-256.	12.0	30
83	Significantly Enhanced Power Factors of p-Type Carbon Nanotube-Based Composite Films by Tailoring the Peripheral Substituents in Porphyrin. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11832-11840.	6.7	30
84	Bilayer Designed Hydrocarbon Membranes for All-Climate Vanadium Flow Batteries To Shield Catholyte Degradation and Mitigate Electrolyte Crossover. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13285-13294.	8.0	30
85	Side-chain effects on the properties of highly branched imidazolium-functionalized copolymer anion exchange membranes. <i>Applied Surface Science</i> , 2019, 493, 1306-1316.	6.1	29
86	Energy level-modulated non-fullerene small molecule acceptors for improved $V_{OC}$ and efficiency of inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3336-3343.	10.3	29
87	Balancing the electrical conductivity and Seebeck coefficient by controlled interfacial doping towards high performance benzothienobenzothiophene-based organic thermoelectric materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24982-24991.	10.3	29
88	Electrospun Poly(ether ether ketone) Nanofibrous Separator with Superior Performance for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A939-A946.	2.9	28
89	Branched Polymer Materials as Proton Exchange Membranes for Fuel Cell Applications. <i>Polymer Reviews</i> , 2022, 62, 261-295.	10.9	28
90	An anti-interference fluorescent probe for point-of-care diagnosis of albuminuria. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130980.	7.8	28



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91	Synthesis of ultra-stable copper nanoclusters and their potential application as a reversible thermometer. Dalton Transactions, 2017, 46, 14251-14255.	3.3	27
92	Enhanced thermoelectric performance from self-assembled alkyl chain-linked naphthalenediimide/single walled carbon nanotubes composites. Chemical Engineering Journal, 2020, 381, 122650.	12.7	27
93	Construction of Stable Wide-Temperature-Range Proton Exchange Membranes by Incorporating a Carbonized Metal-Organic Frame into Polybenzimidazoles and Polyacrylamide Hydrogels. Small, 2021, 17, e2103214.	10.0	27
94	Self-Doping Cathode Interfacial Material Simultaneously Enabling High Electron Mobility and Powerful Work Function Tunability for High-Efficiency All-Solution-Processed Polymer Light-Emitting Diodes. Advanced Functional Materials, 2017, 27, 1700695.	14.9	26
95	The Brill Transition in Long-Chain Aliphatic Polyamide 1012: The Role of Hydrogen-Bonding Organization. Macromolecules, 2021, 54, 6835-6844.	4.8	26
96	Scalable synthesis of ultra-small Ru <sub>2</sub> P@Ru/CNT for efficient seawater splitting. Chinese Journal of Catalysis, 2022, 43, 1148-1155.	14.0	26
97	Biomimetic Nanoplatfom Loading Type I Aggregation-Induced Emission Photosensitizer and Glutamine Blockade to Regulate Nutrient Partitioning for Enhancing Antitumor Immunotherapy. ACS Nano, 2022, 16, 10742-10753.	14.6	26
98	Highly branched poly(arylene ether)/surface functionalized fullerene-based composite membrane electrolyte for DMFC applications. International Journal of Energy Research, 2019, 43, 3756-3767.	4.5	24
99	Tuning the structure of borane-nitrogen derivatives towards high-performance carbon nanotubes-based n-type thermoelectric materials. Chemical Engineering Journal, 2021, 405, 126616.	12.7	24
100	Oxygen-Rich Polymer Polyethylene Glycol-Functionalized Single-Walled Carbon Nanotubes Toward Air-Stable n-Type Thermoelectric Materials. ACS Applied Materials & Interfaces, 2021, 13, 26482-26489.	8.0	24
101	An effective strategy to enhance dimensional-mechanical stability of phosphoric acid doped polybenzimidazole membranes by introducing in situ grown covalent organic frameworks. Journal of Membrane Science, 2022, 655, 120603.	8.2	24
102	Side-Chain Effects on the Thermoelectric Properties of Fluorene-Based Copolymers. Macromolecular Rapid Communications, 2017, 38, 1600817.	3.9	23
103	Improving the performance of sulfonated polymer membrane by using sulfonic acid functionalized heterometallic metal-organic framework for DMFC applications. International Journal of Energy Research, 2020, 44, 1673-1684.	4.5	23
104	Surfactant-Inspired Coassembly Strategy to Integrate Aggregation-Induced Emission Photosensitizer with Organosilica Nanoparticles for Efficient Theranostics. Advanced Functional Materials, 2022, 32, .	14.9	23
105	Enhanced Thermoelectric Performance of Conjugated Polymer/Single-Walled Carbon Nanotube Composites with Strong Stacking. ACS Applied Energy Materials, 2018, 1, 5075-5082.	5.1	22
106	A study of the thermoelectric properties of benzo[1,2-b:4,5-b']dithiophene-based donor-acceptor conjugated polymers. Polymer Chemistry, 2018, 9, 4440-4447.	3.9	22
107	Cogeneration of ethylene and electricity in symmetrical protonic solid oxide fuel cells based on a La <sub>0.6</sub> Sr <sub>0.4</sub> Fe <sub>0.8</sub> Nb <sub>0.1</sub> Cu <sub>0.1</sub> O <sub>3-δ</sub> electrode. Journal of Materials Chemistry A, 2020, 8, 25978-25985.	10.3	22
108	Organic radical compound and carbon nanotube composites with enhanced electrical conductivity towards high-performance p-type and n-type thermoelectric materials. Journal of Materials Chemistry A, 2020, 8, 24675-24684.	10.3	22

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109	An effective dual-channel strategy for preparation of polybenzimidazole separator for advanced-safety and high-performance lithium-ion batteries. <i>Journal of Membrane Science</i> , 2021, 626, 119190.	8.2	22
110	Reversing Multidrug Resistance by Inducing Mitochondrial Dysfunction for Enhanced Chemo-Photodynamic Therapy in Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45259-45268.	8.0	22
111	Constructing High-Performance Proton Transport Channels in High-Temperature Proton Exchange Membranes by Introducing Triazole Groups. <i>ACS Applied Energy Materials</i> , 2021, 4, 10263-10272.	5.1	22
112	Combined effect of N-methyl pyrrolidone and ferrocene derivatives on thermoelectric performance of n-type single-wall carbon nanotube-based composites. <i>Chemical Engineering Journal</i> , 2021, 421, 129718.	12.7	22
113	Free-standing p-Type SWCNT/MXene composite films with low thermal conductivity and enhanced thermoelectric performance. <i>Chemical Engineering Journal</i> , 2022, 439, 135706.	12.7	22
114	Electrolysis of waste water containing aniline to produce polyaniline and hydrogen with low energy consumption. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22419-22426.	7.1	21
115	pH-Responsive Au( $\text{SCN}$ )-disulfide nanoparticles with tunable aggregation-induced emission for monitoring intragastric acidity. <i>Chemical Science</i> , 2020, 11, 6472-6478.	7.4	21
116	A highly active and robust iron quinquepyridine complex for photocatalytic $\text{CO}_2$ reduction in aqueous acetonitrile solution. <i>Chemical Communications</i> , 2020, 56, 6249-6252.	4.1	21
117	Promoting the Thermoelectric Performance of Single-Walled Carbon Nanotubes by Inserting Discotic Liquid-Crystal Molecules. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1891-1898.	6.7	21
118	Donor engineering on flavonoid-based probes to enhance the fluorescence brightness in water: Design, characterization, photophysical properties, and application for cysteine detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130367.	7.8	21
119	A flavonoid-based light-up bioprobe with intramolecular charge transfer characteristics for wash-free fluorescence imaging in vivo. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 309-315.	7.8	20
120	Minimum and well-dispersed platinum nanoparticles on 3D porous nickel for highly efficient electrocatalytic hydrogen evolution reaction enabled by atomic layer deposition. <i>Applied Surface Science</i> , 2019, 494, 1091-1099.	6.1	20
121	Manipulating the doping level via host-dopant synergism towards high performance n-type thermoelectric composites. <i>Chemical Engineering Journal</i> , 2020, 382, 122817.	12.7	20
122	Charge transfer complex-doped single-walled carbon nanotubes with reduced correlations between electrical conductivity and Seebeck coefficient for flexible thermoelectric generators. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4827-4835.	5.5	20
123	Synthesis and Properties of Phosphoric-Acid-Doped Polybenzimidazole with Hyperbranched Cross-Linkers Decorated with Imidazolium Groups as High-Temperature Proton Exchange Membranes. <i>Polymers</i> , 2020, 12, 515.	4.5	20
124	Insight into the Efficiency and Stability of All-Polymer Solar Cells Based on Two 2D-Conjugated Polymer Donors: Achieving High Fill Factor of 78%. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43433-43440.	8.0	19
125	Consistent red luminescence in $\text{Ti}^{\text{II}}$ -conjugated polymers with tuneable elastic moduli over five orders of magnitude. <i>Materials Horizons</i> , 2020, 7, 1421-1426.	12.2	19
126	Facilitating Proton Transport with Enhanced Water Conservation Membranes for Direct Methanol Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5880-5890.	6.7	19



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127	Electrodeposited porous spherical Ni(OH) <sub>2</sub> @Ni on carbon paper for high-efficiency hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 1540-1547.	7.1	19
128	“One Stone, Four Birds” Ion Engineering to Fabricate Versatile Core-Shell Organosilica Nanoparticles for Intelligent Nanotheranostics. <i>ACS Nano</i> , 2022, 16, 9785-9798.	14.6	19
129	Preparation and properties of highly branched sulfonated poly(arylene ether)/polyacrylonitrile composite materials as proton exchange membranes. <i>Journal of Materials Science</i> , 2016, 51, 7119-7129.	3.7	18
130	Novel butterfly-shaped organic semiconductor and single-walled carbon nanotube composites for high performance thermoelectric generators. <i>Materials Horizons</i> , 2021, 8, 1207-1215.	12.2	18
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