Lei Wang

List of Publications by Year
in descending order

197	7,515	50276	82547
papers	citations	46 h-index	72 g-index

198	198	198	6234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Branched Polymer Materials as Proton Exchange Membranes for Fuel Cell Applications. Polymer Reviews, 2022, 62, 261-295.	10.9	28
2	Improving the thermoelectric performances of polymer via synchronously realizing of chemical doping and side-chain cleavage. Chemical Engineering Journal, 2022, 429, 132354.	12.7	9
3	Facile fabrication of highly flexible, porous PEDOT:PSS/SWCNTs films for thermoelectric applications. Chinese Physics B, 2022, 31, 027303.	1.4	4
4	An anti-interference fluorescent probe for point-of-care diagnosis of albuminuria. Sensors and Actuators B: Chemical, 2022, 351, 130980.	7.8	28
5	Constructing novel cross-linked polybenzimidazole network for high-performance high-temperature proton exchange membrane. Journal of Membrane Science, 2022, 643, 120037.	8.2	60
6	Nickel hydroxide armour promoted CoP nanowires for alkaline hydrogen evolution at large current density. International Journal of Hydrogen Energy, 2022, 47, 1016-1025.	7.1	11
7	Strategies of designing electrocatalysts for seawater splitting. Journal of Solid State Chemistry, 2022, 306, 122799.	2.9	17
8	Enhancing the thermoelectric performance through the mutual interaction between conjugated polyelectrolytes and single-walled carbon nanotubes. Chinese Physics B, 2022, 31, 028104.	1.4	3
9	Unveiling the crucial contributions of electrostatic and dispersion interactions to the ultralong room-temperature phosphorescence of H-bond crosslinked poly(vinyl alcohol) films. Materials Horizons, 2022, 9, 1081-1088.	12.2	42
10	Living Supramolecular Polymerization of Ultrastable Kinetic Species of Ir(III) Complexes in Aqueous Media. ACS Applied Polymer Materials, 2022, 4, 1055-1064.	4.4	10
11	Toward Excellence of Electrocatalyst Design by Emerging Descriptorâ€Oriented Machine Learning. Advanced Functional Materials, 2022, 32, .	14.9	43
12	Surfactantâ€Inspired Coassembly Strategy to Integrate Aggregationâ€Induced Emission Photosensitizer with Organosilica Nanoparticles for Efficient Theranostics. Advanced Functional Materials, 2022, 32, .	14.9	23
13	Promoting thermoelectric performance of two-dimensional benzodithiophene-based conjugated polymer/single-walled carbon nanotube composites by polar side chain engineering. Composites Communications, 2022, 31, 101103.	6.3	3
14	Scalable synthesis of ultra-small Ru2P@Ru/CNT for efficient seawater splitting. Chinese Journal of Catalysis, 2022, 43, 1148-1155.	14.0	26
15	Free-standing p-Type SWCNT/MXene composite films with low thermal conductivity and enhanced thermoelectric performance. Chemical Engineering Journal, 2022, 439, 135706.	12.7	22
16	Precise Molecular Engineering of Type I Photosensitizers with Nearâ€Infrared Aggregationâ€Induced Emission for Imageâ€Guided Photodynamic Killing of Multidrugâ€Resistant Bacteria. Advanced Science, 2022, 9, e2104079.	11.2	55
17	A cell membrane-targeting AIE photosensitizer as a necroptosis inducer for boosting cancer theranostics. Chemical Science, 2022, 13, 5929-5937.	7.4	40
18	Enhancing the safety and cyclic performance of lithium-ion batteries using heat resistant and wettable separator based on covalent organic framework and polybenzimidazole. Chemical Engineering Journal, 2022, 443, 136480.	12.7	18

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19	Achieving high power density of 859.5ÂmWÂcmâ¯2: Self-cross-linking polymer membrane based on rigid fluorenone structure. Journal of Membrane Science, 2022, 654, 120574.	8.2	12
20	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
21	Probing the serum albumin binding site of fenamates and photochemical protein labeling with a fluorescent dye. Organic and Biomolecular Chemistry, 2022, 20, 5076-5085.	2.8	7
22	Threeâ€Pronged Attack by Hybrid Nanoplatform Involving MXenes, Upconversion Nanoparticle and Aggregationâ€Induced Emission Photosensitizer for Potent Cancer Theranostics. Small Methods, 2022, 6, .	8.6	11
23	â€œOne Stone, Four Birdsâ€•Ion Engineering to Fabricate Versatile Coreâ€“Shell Organosilica Nanoparticles for Intelligent Nanotheranostics. ACS Nano, 2022, 16, 9785-9798.	14.6	19
24	A potent luminogen with NIR-IIb excitable AIE features for ultradeep brain vascular and hemodynamic three-photon imaging. Biomaterials, 2022, 287, 121612.	11.4	15
25	Controllable synthesis of a self-assembled ultralow Ru, Ni-doped Fe2O3 lily as a bifunctional electrocatalyst for large-current-density alkaline seawater electrolysis. Chinese Journal of Catalysis, 2022, 43, 2202-2211.	14.0	39
26	Alleviating the trade-off interrelation between seebeck coefficient and electrical conductivity by random copolymerization of two-dimensional and one-dimensional monomers. Composites Communications, 2022, 33, 101218.	6.3	2
27	Nitrogen Dense Distributions of Imidazole Grafted Dipyridyl Polybenzimidazole for a High Temperature Proton Exchange Membrane. Polymers, 2022, 14, 2621.	4.5	4
28	Biomimetic Nanoplatform 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
29	General Method for Pesticide Recognition Using Albumin-Based Hostâ€“Guest Ensembles. ACS Sensors, 2022, 7, 2020-2027.	7.8	18
30	Construction of Diversified Ion Channels in Lithium-Ion Battery Separator Using Polybenzimidazole and Ion-Modified Metalâ€“Organic Framework. ACS Applied Energy Materials, 2022, 5, 9131-9140.	5.1	9
31	Substrate Modification for Highâ€Performance Thermoelectric Materials and Generators Based on Polymer and Carbon Nanotube Composite. Advanced Materials Interfaces, 2022, 9, .	3.7	9
32	Combining chemical doping and thermal annealing to optimize the thermoelectric performance of the poly(3-hexylthiophene). Composites Communications, 2022, 34, 101255.	6.3	4
33	Katritzky salt fluorophores: Facile synthesis, bright solid-state emission, and mechanochromic luminescence. Dyes and Pigments, 2021, 186, 108977.	3.7	6
34	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
35	De novo design of polymers embedded with platinum acetylides towards n-type organic thermoelectrics. Chemical Engineering Journal, 2021, 405, 126692.	12.7	14
36	Zwitterionic AIEgens: Rational Molecular Design for NIRâ€II Fluorescence Imagingâ€Guided Synergistic Phototherapy. Advanced Functional Materials, 2021, 31, 2007026.	14.9	87

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37	Inâ€Situ Electrochemically Activated Surface Vanadium Valence in V₂C MXene to Achieve High Capacity and Superior Rate Performance for Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2008033.	14.9	156
38	Electrodeposited porous spherical Ni(OH)2@Ni on carbon paper for high-efficiency hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 1540-1547.	7.1	19
39	Aggregation-mediated photo-responsive luminescence of cyanostilbene based cruciform AIEgens. Journal of Materials Chemistry C, 2021, 9, 975-981.	5.5	12
40	The ameliorative thermoelectric performance induced by heteroatom for dithiophene cyclopentadiene-based polymers and carbon nanotubes composite films. Composites Science and Technology, 2021, 201, 108518.	7.8	16
41	Novel butterfly-shaped organic semiconductor and single-walled carbon nanotube composites for high performance thermoelectric generators. Materials Horizons, 2021, 8, 1207-1215.	12.2	18
42	An effective strategy for the preparation of a wide-temperature-range proton exchange membrane based on polybenzimidazoles and polyacrylamide hydrogels. Journal of Materials Chemistry A, 2021, 9, 3605-3615.	10.3	47
43	Promoting the Thermoelectric Performance of Single-Walled Carbon Nanotubes by Inserting Discotic Liquid-Crystal Molecules. ACS Sustainable Chemistry and Engineering, 2021, 9, 1891-1898.	6.7	21
44	Microphase separation/crosslinking competition-based ternary microstructure evolution of poly(ether-b-amide). RSC Advances, 2021, 11, 6934-6942.	3.6	7
45	Pillar[5]areneâ€Modified Gold Nanorods as Nanocarriers for Multiâ€Modal Imagingâ€Guided Synergistic Photodynamicâ€Photothermal Therapy. Advanced Functional Materials, 2021, 31, 2009924.	14.9	64
46	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2100757.	19.5	99
47	Sulfonic-Group-Grafted Ti₃C₂T_x MXene: A Silver Bullet to Settle the Instability of Polyaniline toward High-Performance Zn-Ion Batteries. ACS Nano, 2021, 15, 9065-9075.	14.6	78
48	Enhanced Thermoelectric Performance of a Donorâ€“Acceptor-Based Two-Dimensional Conjugated Polymer with High Crystallinity. ACS Applied Energy Materials, 2021, 4, 4662-4671.	5.1	17
49	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
50	Effect of crosslinking networks on strain-induced crystallization in polyamide 1012 multiblock Poly(tetramethylene oxide) copolymers. Polymer, 2021, 225, 123802.	3.8	10
51	An effective dual-channel strategy for preparation of polybenzimidazole separator for advanced-safety and high-performance lithium-ion batteries. Journal of Membrane Science, 2021, 626, 119190.	8.2	22
52	Design and Practice of an Organic Analysis Laboratory to Enhance Laboratory Safety. Journal of Chemical Health and Safety, 2021, 28, 238-243.	2.1	4
53	Manipulating Carrier Concentration by Self-Assembled Monolayers in Thermoelectric Polymer Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 32067-32074.	8.0	7
54	One-for-all phototheranostics: Single component AIE dots as multi-modality theranostic agent for fluorescence-photoacoustic imaging-guided synergistic cancer therapy. Biomaterials, 2021, 274, 120892.	11.4	55

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55	The Brill Transition in Long-Chain Aliphatic Polyamide 1012: The Role of Hydrogen-Bonding Organization. Macromolecules, 2021, 54, 6835-6844.	4.8	26
56	Achieving high power density and excellent durability for high temperature proton exchange membrane fuel cells based on crosslinked branched polybenzimidazole and metal-organic frameworks. Journal of Membrane Science, 2021, 630, 119288.	8.2	73
57	Benzothienobenzothiopheneâ€Based Organic Charge Transfer Complex and Carbon Nanotube Composites for pâ€Type and nâ€Type Thermoelectric Materials and Generators. Advanced Electronic Materials, 2021, 7, 2100557.	5.1	14
58	AIEgen-loaded nanofibrous membrane as photodynamic/photothermal antimicrobial surface for sunlight-triggered bioprotection. Biomaterials, 2021, 276, 121007.	11.4	53
59	Construction of Stable Wideâ€Temperatureâ€Range Proton Exchange Membranes by Incorporating a Carbonized Metalâ€“Organic Frame into Polybenzimidazoles and Polyacrylamide Hydrogels. Small, 2021, 17, e2103214.	10.0	27
60	Constructing proton transport channels in low phosphoric-acid doped polybenzimidazole membrane by introducing metalâ€“organic frameworks containing phosphoric-acid groups. Journal of Power Sources, 2021, 507, 230316.	7.8	31
61	Reversing Multidrug Resistance by Inducing Mitochondrial Dysfunction for Enhanced Chemo-Photodynamic Therapy in Tumor. ACS Applied Materials & Interfaces, 2021, 13, 45259-45268.	8.0	22
62	Constructing High-Performance Proton Transport Channels in High-Temperature Proton Exchange Membranes by Introducing Triazole Groups. ACS Applied Energy Materials, 2021, 4, 10263-10272.	5.1	22
63	Improving the thermoelectric performance of solution-processed polymer nanocomposites by introducing platinum acetylides with tailored intermolecular interactions. Chemical Engineering Journal, 2021, 419, 129624.	12.7	10
64	High performance of p-type and n-type thermoelectric materials based on liquid crystal mixture and single-walled carbon nanotube composites. Composites Communications, 2021, 27, 100873.	6.3	5
65	Donor engineering on flavonoid-based probes to enhance the fluorescence brightness in water: Design, characterization, photophysical properties, and application for cysteine detection. Sensors and Actuators B: Chemical, 2021, 345, 130367.	7.8	21
66	Combined effect of N-methyl pyrrolidone and ferrocene derivatives on thermoelectric performance of n-type single-wall carbon nanotube-based composites. Chemical Engineering Journal, 2021, 421, 129718.	12.7	22
67	Effective approaches to produce high performance single-walled carbon nanotubes/platinum based hybrid films by inserting thermoelectric material with high seebeck coefficient. Journal of Power Sources, 2021, 511, 230454.	7.8	5
68	Cross-conjugated spiro molecules and single-walled carbon nanotubes composite for high-performance organic thermoelectric materials and generators. Chemical Engineering Journal, 2021, 426, 131859.	12.7	13
69	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. Journal of Membrane Science, 2021, 640, 119775.	8.2	51
70	Bifunctional Ptâ€“Co₃O₄ electrocatalysts for simultaneous generation of hydrogen and formate via energy-saving alkaline seawater/methanol co-electrolysis. Journal of Materials Chemistry A, 2021, 9, 6316-6324.	10.3	65
71	An aggregation-induced emission platform for efficient Golgi apparatus and endoplasmic reticulum specific imaging. Chemical Science, 2021, 12, 13949-13957.	7.4	12
72	Crystalline Domain Formation to Enable High-Performance Polymer Thermoelectrics Inspired by Thermocleavable Materials. ACS Applied Materials & Interfaces, 2021, 13, 49348-49357.	8.0	4

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73	Donor/Ï€â€Bridge Manipulation for Constructing a Stable NIRâ€I Aggregationâ€Induced Emission Luminogen with Balanced Phototheranostic Performance**. Angewandte Chemie, 2021, 133, 26973-26980.	2.0	17
74	Donor/Ï€â€Bridge Manipulation for Constructing a Stable NIRâ€I Aggregationâ€Induced Emission Luminogen with Balanced Phototheranostic Performance**. Angewandte Chemie - International Edition, 2021, 60, 26769-26776.	13.8	96
75	Phosphoric acid-doped polybenzimidazole with a leaf-like three-layer porous structure as a high-temperature proton exchange membrane for fuel cells. Journal of Materials Chemistry A, 2021, 9, 26345-26353.	10.3	50
76	Verification of thermodynamic theories of strain-induced polymer crystallization. Chemical Communications, 2021, 58, 286-289.	4.1	10
77	Manipulating the doping level via host-dopant synergism towards high performance n-type thermoelectric composites. Chemical Engineering Journal, 2020, 382, 122817.	12.7	20
78	Cross-linked polybenzimidazoles containing hyperbranched cross-linkers and quaternary ammoniums as high-temperature proton exchange membranes: Enhanced stability and conductivity. Journal of Membrane Science, 2020, 593, 117435.	8.2	65
79	Enhanced thermoelectric performance from self-assembled alkyl chain-linked naphthalenediimide/single walled carbon nanotubes composites. Chemical Engineering Journal, 2020, 381, 122650.	12.7	27
80	Enhanced thermoelectric properties of polyaniline/polypyrrole/carbon nanotube ternary composites by treatment with a secondary dopant using ferric chloride. Journal of Materials Chemistry C, 2020, 8, 528-535.	5.5	43
81	Improving the performance of sulfonated polymer membrane by using sulfonic acid functionalized heteroâ€metallic metalâ€organic framework for DMFC applications. International Journal of Energy Research, 2020, 44, 1673-1684.	4.5	23
82	Hierarchical Porous RGO/PEDOT/PANI Hybrid for Planar/Linear Supercapacitor with Outstanding Flexibility and Stability. Nano-Micro Letters, 2020, 12, 17.	27.0	50
83	Paperâ€Based Ratiometric Fluorescence Analytical Devices towards Pointâ€ofâ€Care Testing of Human Serum Albumin. Angewandte Chemie - International Edition, 2020, 59, 3131-3136.	13.8	146
84	Controllable and Diversiform Topological Morphologies of Selfâ€Assembling Supraâ€Amphiphiles with Aggregationâ€Induced Emission Characteristics for Mimicking Lightâ€Harvesting Antenna. Advanced Science, 2020, 7, 2001909.	11.2	35
85	An Allâ€Round Athlete on the Track of Phototheranostics: Subtly Regulating the Balance between Radiative and Nonradiative Decays for Multimodal Imagingâ€Guided Synergistic Therapy. Advanced Materials, 2020, 32, e2003210.	21.0	259
86	Constructing multifunctional â€˜Nanoplatelet-on-Nanoarrayâ€™ electrocatalyst with unprecedented activity towards novel selective organic oxidation reactions to boost hydrogen production. Applied Catalysis B: Environmental, 2020, 278, 119339.	20.2	93
87	Enhanced thermoelectric performance of poly(3-substituted thiophene)/single-walled carbon nanotube composites via polar side chain modification. Composites Science and Technology, 2020, 199, 108359.	7.8	17
88	Enhancement of the Electrical Conductivity and Thermoelectric Performance of Single-Walled Carbon Nanotubes by the Introduction of Conjugated Small Molecules with Cation Groups. ACS Applied Energy Materials, 2020, 3, 11947-11955.	5.1	12
89	The effects of polybenzimidazole nanofiber separator on the safety and performance of lithium-ion batteries: Characterization and analysis from the perspective of mechanism. Journal of Power Sources, 2020, 475, 228624.	7.8	37
90	A DS2-specific flavonoid-based probe with a unique dual-emissive response to human serum albumin. Chemical Communications, 2020, 56, 11094-11097.	4.1	33

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91	Electrolysis of waste water containing aniline to produce polyaniline and hydrogen with low energy consumption. International Journal of Hydrogen Energy, 2020, 45, 22419-22426.	7.1	21
92	AIEgen-Based Polymer Nanocomposites for Imaging-Guided Photothermal Therapy. ACS Applied Polymer Materials, 2020, 2, 4306-4318.	4.4	32
93	Highly Conductive Polybenzimidazole Membranes at Low Phosphoric Acid Uptake with Excellent Fuel Cell Performances by Constructing Long-Range Continuous Proton Transport Channels Using a Metalâ€“Organic Framework (UIO-66). ACS Applied Materials & Interfaces, 2020, 12, 41350-41358.	8.0	78
94	Cogeneration of ethylene and electricity in symmetrical protonic solid oxide fuel cells based on a La_{0.6}Sr_{0.4}Fe_{0.8}Nb_{0.1}Cu_{0.1}O_{3â^'Î´} electrode. Journal of Materials Chemistry A, 2020, 8, 25978-25985.	10.3	22
95	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
96	Nanomaterials with Supramolecular Assembly Based on AIE Luminogens for Theranostic Applications. Advanced Materials, 2020, 32, e2004208.	21.0	143
97	Significantly Reduced Thermal-Activation Energy for Hole Transport via Simple Donor Engineering: Understanding the Role of Molecular Parameters for Thermoelectric Behaviors. ACS Applied Materials & Interfaces, 2020, 12, 26276-26285.	8.0	13
98	Optimizing the thermoelectric performances of conjugated polymer backbonesviaincorporating tailored platinum(<scp>ii</scp>) acetylides. Polymer Chemistry, 2020, 11, 3627-3636.	3.9	4
99	Effect of Chemical Structure and Degree of Branching on the Stability of Proton Exchange Membranes Based on Sulfonated Polynaphthylimides. Polymers, 2020, 12, 652.	4.5	13
100	From simple Katritzky salts to AIEgens: mechanochromic luminescence and heparin detection. Materials Chemistry Frontiers, 2020, 4, 1492-1499.	5.9	15
101	Charge transfer complex-doped single-walled carbon nanotubes with reduced correlations between electrical conductivity and Seebeck coefficient for flexible thermoelectric generators. Journal of Materials Chemistry C, 2020, 8, 4827-4835.	5.5	20
102	Synthesis and Properties of Phosphoric-Acid-Doped Polybenzimidazole with Hyperbranched Cross-Linkers Decorated with Imidazolium Groups as High-Temperature Proton Exchange Membranes. Polymers, 2020, 12, 515.	4.5	20
103	Consistent red luminescence in Ï€-conjugated polymers with tuneable elastic moduli over five orders of magnitude. Materials Horizons, 2020, 7, 1421-1426.	12.2	19
104	Control of polymorphism in solution-processed organic thin film transistors by self-assembled monolayers. Science China Chemistry, 2020, 63, 1221-1229.	8.2	11
105	Alkaliâ€doped hyperbranched crossâ€linked polybenzimidazoles containing benzyltrimethyl ammoniums with improved ionic conductivity as alkaline direct methanol fuel cell membranes. International Journal of Energy Research, 2020, 44, 4677-4686.	4.5	14
106	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. Journal of Membrane Science, 2020, 602, 117981.	8.2	67
107	Synergistic effects of the processing solvent and additive on the production of efficient all-polymer solar cells. Nanoscale, 2020, 12, 4945-4952.	5.6	15
108	Self-assembling RuO₂ nanogranulates with few carbon layers as an interconnected nanoporous structure for lithiumâ€“oxygen batteries. Chemical Communications, 2020, 56, 7253-7256.	4.1	5

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109	pH-Responsive Au(<scp>i</scp>)-disulfide nanoparticles with tunable aggregation-induced emission for monitoring intragastric acidity. Chemical Science, 2020, 11, 6472-6478.	7.4	21
110	A highly active and robust iron quinquepyridine complex for photocatalytic CO₂ reduction in aqueous acetonitrile solution. Chemical Communications, 2020, 56, 6249-6252.	4.1	21
111	Facilitating Proton Transport with Enhanced Water Conservation Membranes for Direct Methanol Fuel Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 5880-5890.	6.7	19
112	Enhancement of the thermoelectric performance for DTC-based polymer via N-octyl substitution. Journal of Materials Chemistry C, 2020, 8, 7096-7103.	5.5	9
113	Shape-Persistent Ï€-Conjugated Macrocycles with Aggregation-Induced Emission Property: Synthesis, Mechanofluorochromism, and Mercury(II) Detection. ACS Applied Materials & Interfaces, 2019, 11, 34232-34240.	8.0	45
114	High-Performance N-Type Carbon Nanotube Composites: Improved Power Factor by Optimizing the Acridine Scaffold and Tailoring the Side Chains. ACS Applied Materials & Interfaces, 2019, 11, 29320-29329.	8.0	41
115	Side-chain effects on the properties of highly branched imidazolium-functionalized copolymer anion exchange membranes. Applied Surface Science, 2019, 493, 1306-1316.	6.1	29
116	Minimum and well-dispersed platinum nanoparticles on 3D porous nickel for highly efficient electrocatalytic hydrogen evolution reaction enabled by atomic layer deposition. Applied Surface Science, 2019, 494, 1091-1099.	6.1	20
117	Conjugated System of PEDOT:PSS-Induced Self-Doped PANI for Flexible Zinc-Ion Batteries with Enhanced Capacity and Cyclability. ACS Applied Materials & Interfaces, 2019, 11, 30943-30952.	8.0	89
118	Kinetics Features Conducive to Cache-Type Nonvolatile Phase-Change Memory. Chemistry of Materials, 2019, 31, 8794-8800.	6.7	35
119	Insight into the Efficiency and Stability of All-Polymer Solar Cells Based on Two 2D-Conjugated Polymer Donors: Achieving High Fill Factor of 78%. ACS Applied Materials & Interfaces, 2019, 11, 43433-43440.	8.0	19
120	Crossâ€linked polymer electrolyte membrane based on a highly branched sulfonated polyimide with improved electrochemical properties for fuel cell applications. International Journal of Energy Research, 2019, 43, 8753.	4.5	9
121	Enhancement of the thermoelectric property of nanostructured polyaniline/carbon nanotube composites by introducing pyrrole unit onto polyaniline backbone via a sustainable method. Chemical Engineering Journal, 2019, 370, 322-329.	12.7	94
122	Evaluation of Structureâ€“Function Relationships of Aggregation-Induced Emission Luminogens for Simultaneous Dual Applications of Specific Discrimination and Efficient Photodynamic Killing of Gram-Positive Bacteria. Journal of the American Chemical Society, 2019, 141, 16781-16789.	13.7	295
123	Energy level-modulated non-fullerene small molecule acceptors for improved V_{OC} and efficiency of inverted perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 3336-3343.	10.3	29
124	Design of solvent-free functional fluidsviamolecular nanoarchitectonics approaches. Molecular Systems Design and Engineering, 2019, 4, 78-90.	3.4	16
125	Boosting the Yield of MXene 2D Sheets via a Facile Hydrothermal-Assisted Intercalation. ACS Applied Materials & Interfaces, 2019, 11, 8443-8452.	8.0	178
126	Achieving Balanced Charge Transport and Favorable Blend Morphology in Non-Fullerene Solar Cells via Acceptor End Group Modification. Chemistry of Materials, 2019, 31, 1752-1760.	6.7	48

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127	Boosting the Adhesivity of Ï€-Conjugated Polymers by Embedding Platinum Acetylides towards High-Performance Thermoelectric Composites. Polymers, 2019, 11, 593.	4.5	13
128	Significantly Enhanced Power Factors of p-Type Carbon Nanotube-Based Composite Films by Tailoring the Peripheral Substituents in Porphyrin. ACS Sustainable Chemistry and Engineering, 2019, 7, 11832-11840.	6.7	30
129	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and Highâ€Power Zinc Ion Battery. Advanced Functional Materials, 2019, 29, 1901336.	14.9	145
130	Highly branched poly(arylene ether)/surface functionalized fullereneâ€based composite membrane electrolyte for DMFC applications. International Journal of Energy Research, 2019, 43, 3756-3767.	4.5	24
131	Viskoelastische konjugierte polymere Fluide. Angewandte Chemie, 2019, 131, 9682-9686.	2.0	6
132	Viscoelastic Conjugated Polymer Fluids. Angewandte Chemie - International Edition, 2019, 58, 9581-9585.	13.8	40
133	Crosslinked polybenzimidazole containing branching structure with no sacrifice of effective N-H sites: Towards high-performance high-temperature proton exchange membranes for fuel cells. Journal of Membrane Science, 2019, 583, 110-117.	8.2	82
134	Bilayer Designed Hydrocarbon Membranes for All-Climate Vanadium Flow Batteries To Shield Catholyte Degradation and Mitigate Electrolyte Crossover. ACS Applied Materials & Interfaces, 2019, 11, 13285-13294.	8.0	30
135	High performance p-type organic thermoelectric materials based on metalloporphyrin/single-walled carbon nanotube composite films. Journal of Power Sources, 2019, 423, 152-158.	7.8	37
136	Polar Side Chain Effects on the Thermoelectric Properties of Benzo[1,2â€b:4,5â€bâ€²]Dithiopheneâ€Based Conjugated Polymers. Macromolecular Rapid Communications, 2019, 40, 1900082.	3.9	15
137	Thermoelectrics of two-dimensional conjugated benzodithiophene-based polymers: density-of-states enhancement and semi-metallic behavior. Journal of Materials Chemistry A, 2019, 7, 10422-10430.	10.3	34
138	Preparation and Thermoelectric Properties Study of Bipyridine-Containing Polyfluorene Derivative/SWCNT Composites. Polymers, 2019, 11, 278.	4.5	7
139	The Crossâ€Linking Effect on the Thermoelectric Properties of Conjugated Polymer/Carbon Nanotube Composite Films. Macromolecular Materials and Engineering, 2019, 304, 1800730.	3.6	8
140	Fluorescence Determination of Ethanol-Gasoline Blends without the Aid of Excitation-Emission Matrix Fluorescence. Chemistry Letters, 2019, 48, 1383-1386.	1.3	7
141	A flavonoid-based fluorescent probe enables the accurate quantification of human serum albumin by minimizing the interference from blood lipids. Chemical Communications, 2019, 55, 13983-13986.	4.1	46
142	Balancing the electrical conductivity and Seebeck coefficient by controlled interfacial doping towards high performance benzothienobenzothiophene-based organic thermoelectric materials. Journal of Materials Chemistry A, 2019, 7, 24982-24991.	10.3	29
143	Synthesis of carbon nanodots in zeolite SAPO-46 channels for Q-switched fiber laser generation. Journal of Alloys and Compounds, 2019, 782, 837-844.	5.5	9
144	Aliphatic/aromatic sulfonated polyimide membranes with cross-linked structures for vanadium flow batteries. Journal of Membrane Science, 2019, 572, 119-127.	8.2	63

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145	Preparation and investigation of block polybenzimidazole membranes with high battery performance and low phosphoric acid doping for use in high-temperature fuel cells. Journal of Membrane Science, 2019, 572, 350-357.	8.2	57
146	Multichannel Strategies to Produce Stabilized Azaphenalene Diradicals: A Predictable Model to Generate Selfâ€Doped Cathode Interfacial Layers for Organic Photovoltaics. Advanced Functional Materials, 2019, 29, 1806125.	14.9	17
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