

Peng-Fei Wang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Directional Oxygen Functionalization by Defect in Different Metamorphicâ€Grade Coalâ€Derived Carbon Materials for Sodium Storage. <i>Energy and Environmental Materials</i> , 2022, 5, 313-320.	7.3	30
2	Interfacial Design for a 4.6â€V Highâ€Voltage Singleâ€Crystalline LiCoO ₂ Cathode. <i>Advanced Materials</i> , 2022, 34, e2108353.	11.1	98
3	Aqueous electrolyte design for super-stable 2.5â€V LiMn ₂ O ₄ Li ₄ Ti ₅ O ₁₂ pouch cells. <i>Nature Energy</i> , 2022, 7, 186-193.	19.8	122
4	Mitigating the Largeâ€Volume Phase Transition of P2â€Type Cathodes by Synergetic Effect of Multiple Ions for Improved Sodiumâ€Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	96
5	Modulating Nonâ€Radiative Deactivation via Acceptor Reconstruction to Expand Highâ€Efficient Red Thermally Activated Delayed Fluorescent Emitters. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	11
6	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	41
7	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	13
8	Iron phthalocyanine-derived nanozyme as dual reactive oxygen species generation accelerator for photothermally enhanced tumor catalytic therapy. <i>Biomaterials</i> , 2022, 284, 121495.	5.7	34
9	New insights to build Na ⁺ /vacancy disordering for high-performance P2-type layered oxide cathodes. <i>Nano Energy</i> , 2022, 97, 107207.	8.2	31
10	Low-Cost Al-Doped Layered Cathodes with Improved Electrochemical Performance for Rechargeable Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23465-23473.	4.0	11
11	A ratiometric fluorescent probe for detection of \hat{I}^3 -glutamyl transpeptidase in blood serum and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121325.	2.0	4
12	Both Interface and Bulk Stable LiNi _{0.5} Mn _{1.5} O ₄ Cathodes for High-Energy Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 7582-7589.	2.5	2
13	New Xanthene Dyes with NIRâ€Emission Beyond 1200â€nm for Efficient Tumor Angiography and Photothermal Therapy. <i>Small</i> , 2022, 18, .	5.2	8
14	Interlocking biphasic chemistry for high-voltage P2/O ₃ sodium layered oxide cathode. <i>Energy Storage Materials</i> , 2022, 50, 730-739.	9.5	44
15	Fast Interfacial Kinetics for Multivalent Metal Batteries Enabled By Solvation Sheath Reorganization. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 123-123.	0.0	0
16	An Inorganicâ€Rich Solid Electrolyte Interphase for Advanced Lithiumâ€Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3661-3671.	7.2	317
17	An Inorganicâ€Rich Solid Electrolyte Interphase for Advanced Lithiumâ€Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie</i> , 2021, 133, 3705-3715.	1.6	29
18	Innovative strategies of hydrogen peroxide-involving tumor therapeutics. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4474-4501.	3.2	16

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19	Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials. <i>Chemical Communications</i> , 2021, 57, 4902-4905.	2.2	27
20	Amphiphilic confined Pt-based nanocatalysts produced by atomic layer deposition with enhanced catalytic performance for biphasic reactions. <i>Green Chemistry</i> , 2021, 23, 8116-8123.	4.6	11
21	Disulfide-Containing Molecular Sticker Assists Cellular Delivery of DNA Nanoassemblies by Bypassing Endocytosis. <i>CCS Chemistry</i> , 2021, 3, 1178-1186.	4.6	17
22	Facile Synthesis of Anatase TiO ₂ Nanocrystals with Co-Exposed {101}, {010}/{100} and [111] Facets for Efficient Photodegradation of Methylene Blue. <i>ChemistrySelect</i> , 2021, 6, 2306-2318.	0.7	3
23	Water-Soluble Organic Nanoparticles with Programmable Intermolecular Charge Transfer for NIR Photothermal Anti-Bacterial Therapy. <i>Angewandte Chemie</i> , 2021, 133, 11864-11868.	1.6	16
24	Lithium Metal Batteries Enabled by Synergetic Additives in Commercial Carbonate Electrolytes. <i>ACS Energy Letters</i> , 2021, 6, 1839-1848.	8.8	200
25	Glucose Isomerization with PAMAM Dendrimers as Environmentally Friendly Catalysts. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5105-5112.	2.4	11
26	High-Energy Aqueous Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11943-11948.	7.2	100
27	High-Energy Aqueous Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 12050-12055.	1.6	13
28	Ultrasound-Enhanced Self-Exciting Photodynamic Therapy Based on Hypocrellin B. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1221-1224.	1.7	3
29	Self-Assembly of Amphiphilic Porphyrins To Construct Nanoparticles for Highly Efficient Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2021, 27, 11195-11204.	1.7	8
30	Cation-Disordered O ₃ -Na _{0.8} Ni _{0.6} Sb _{0.4} O ₂ Cathode for High-Voltage Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32948-32956.	4.0	21
31	Dilute Aqueous Aprotic Hybrid Electrolyte Enabling a Wide Electrochemical Window through Solvation Structure Engineering. <i>Advanced Materials</i> , 2021, 33, e2102390.	11.1	28
32	Stabilizing the framework of SAPO-34 zeolite toward long-term methanol-to-olefins conversion. <i>Nature Communications</i> , 2021, 12, 4661.	5.8	32
33	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. <i>Nature Communications</i> , 2021, 12, 5267.	5.8	122
34	Structural insights into the dynamic and controlled multiphase evolution of layered-spinel heterostructured sodium oxide cathode. <i>Cell Reports Physical Science</i> , 2021, 2, 100547.	2.8	23
35	Amphiphilic Diketopyrrolopyrrole Derivatives for Efficient Near-Infrared Fluorescence Imaging and Photothermal Therapy. <i>ACS Omega</i> , 2021, 6, 26575-26582.	1.6	8
36	Realizing high-voltage and ultralong-life supercapacitors by a universal interfacial engineering strategy. <i>Journal of Power Sources</i> , 2021, 510, 230406.	4.0	9

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37	High-Efficiency Red-Fluorescent Organic Light-Emitting Diodes with Excellent Color Purity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1980-1989.	1.5	22
38	Ru ₁ Co _n Single-Atom Alloy for Enhancing Fischer-Tropsch Synthesis. <i>ACS Catalysis</i> , 2021, 11, 1886-1896.	5.5	49
39	Microwave-Heated Graphene Realizes Ultrafast Energy Conversion and Thermal Storage. <i>Energy & Fuels</i> , 2021, 35, 898-904.	2.5	4
40	Two-Channel Space Charge Transfer-Induced Thermally Activated Delayed Fluorescent Materials for Efficient OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49066-49075.	4.0	17
41	Solvation sheath reorganization enables divalent metal batteries with fast interfacial charge transfer kinetics. <i>Science</i> , 2021, 374, 172-178.	6.0	238
42	Probing into the building and evolution of primary hydrocarbon pool species in the process of methanol to olefins over H-ZSM-5 zeolite. <i>Molecular Catalysis</i> , 2021, 516, 111968.	1.0	3
43	Assembly of Silicalite-1 Crystals Like Toy Lego Bricks into One-, Two-, and Three-Dimensional Architectures for Enhancing Its Adsorptive Separation and Catalytic Performances. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58085-58095.	4.0	5
44	A novel hypocrellin-based assembly for sonodynamic therapy against glioblastoma. <i>Journal of Materials Chemistry B</i> , 2021, 10, 57-63.	2.9	9
45	High Interfacial-Energy Interphase Promoting Safe Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2020, 142, 2438-2447.	6.6	195
46	Both cationic and anionic redox chemistry in a P2-type sodium layered oxide. <i>Nano Energy</i> , 2020, 69, 104474.	8.2	91
47	Recent advances and prospects of carbon dots in cancer nanotheranostics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 449-471.	3.2	101
48	Boosted photovoltaic performance of indenothiophene-based molecular acceptor via fusing a thiophene. <i>Journal of Materials Chemistry C</i> , 2020, 8, 630-636.	2.7	5
49	Direct Conversion of Syngas into Light Olefins with Low CO ₂ Emission. <i>ACS Catalysis</i> , 2020, 10, 2046-2059.	5.5	77
50	Integrating Multiredox Centers into One Framework for High-Performance Organic Li-Ion Battery Cathodes. <i>ACS Energy Letters</i> , 2020, 5, 224-231.	8.8	59
51	Solid-State Electrolyte Design for Lithium Dendrite Suppression. <i>Advanced Materials</i> , 2020, 32, e2002741.	11.1	219
52	Recent advances in theranostic agents based on natural products for photodynamic and sonodynamic therapy. <i>View</i> , 2020, 1, 20200090.	2.7	31
53	Water-in-salt polymer electrolyte for Li-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 2878-2887.	15.6	74
54	A two-photon fluorescent probe for sensitive detection and imaging of \hat{I}^3 -glutamyl transpeptidase. <i>Chemical Communications</i> , 2020, 56, 10902-10905.	2.2	22

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55	Elucidation of the Jahn-Teller effect in a pair of sodium isomer. <i>Nano Energy</i> , 2020, 77, 105167.	8.2	40
56	Highly Efficient, Red Delayed Fluorescent Emitters with Exothermic Reverse Intersystem Crossing via Hot Excited Triplet States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20816-20826.	1.5	14
57	In situ tuning of electronic structure of catalysts using controllable hydrogen spillover for enhanced selectivity. <i>Nature Communications</i> , 2020, 11, 4773.	5.8	81
58	Near-Infrared Hypocrellin Derivatives for Synergistic Photodynamic and Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3462-3468.	1.7	12
59	Tuning the Anode-Electrolyte Interface Chemistry for Garnet-Based Solid-State Li Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e2000030.	11.1	156
60	Hypocrellin-Based Multifunctional Phototheranostic Agent for NIR-Triggered Targeted Chemo/Photodynamic/Photothermal Synergistic Therapy against Glioblastoma. <i>ACS Applied Bio Materials</i> , 2020, 3, 3817-3826.	2.3	18
61	Recent advances and prospects of layered transition metal oxide cathodes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 30, 9-26.	9.5	127
62	Realizing Complete Solid-Solution Reaction in High Sodium Content P2-Type Cathode for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14511-14516.	7.2	142
63	Realizing Complete Solid-Solution Reaction in High Sodium Content P2-Type Cathode for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 14619-14624.	1.6	65
64	Synthesis of HZSM-5 Rich in Paired Al and Its Catalytic Performance for Propane Aromatization. <i>Catalysts</i> , 2020, 10, 622.	1.6	3
65	Polyanion-type cathode materials for sodium-ion batteries. <i>Chemical Society Reviews</i> , 2020, 49, 2342-2377.	18.7	422
66	Palladium-Catalyzed Cascade Synthesis of Novel Quinolone-Bis(indolyl)methane Hybrids as Promising β -Glucosidase Inhibitors. <i>Synthesis</i> , 2020, 52, 1680-1686.	1.2	4
67	A Highly Reversible, Dendrite-Free Lithium Metal Anode Enabled by a Lithium-Fluoride-Enriched Interphase. <i>Advanced Materials</i> , 2020, 32, e1906427.	11.1	168
68	Methanol to olefins over H-RUB-13 zeolite: regulation of framework aluminum siting and acid density and their relationship to the catalytic performance. <i>Catalysis Science and Technology</i> , 2020, 10, 1835-1847.	2.1	24
69	A pre-synthetic strategy to construct single ion conductive covalent organic frameworks. <i>Chemical Communications</i> , 2020, 56, 2747-2750.	2.2	29
70	In Situ Copolymerized Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. <i>CCS Chemistry</i> , 2020, 2, 589-597.	4.6	18
71	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. <i>Research</i> , 2020, 2020, 1469301.	2.8	33
72	In Situ Copolymerized Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. <i>CCS Chemistry</i> , 2020, 2, 589-597.	4.6	39

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73	Experimental Evidence for "Hot Exciton" Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801190.	3.6	56
74	Facile Formation of Anatase/Rutile TiO ₂ Nanocomposites with Enhanced Photocatalytic Activity. <i>Molecules</i> , 2019, 24, 2996.	1.7	142
75	Optically tunable fluorescent carbon nanoparticles and their application in fluorometric sensing of copper ions. <i>Nano Research</i> , 2019, 12, 2576-2583.	5.8	47
76	Functionalized Acrylonitriles with Aggregation-Induced Emission: Structure Tuning by Simple Reaction-Condition Variation, Efficient Red Emission, and Two-Photon Bioimaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 15111-15120.	6.6	155
77	Lithium-Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode (Adv. Sci. 13/2019). <i>Advanced Science</i> , 2019, 6, 1970076.	5.6	14
78	Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel. <i>Advanced Functional Materials</i> , 2019, 29, 1903112.	7.8	59
79	Angular-Fused Dithianaphthylquinone Derivative: Selective Synthesis, Thermally Activated Delayed Fluorescence Property, and Application in Organic Light-Emitting Diode. <i>Organic Letters</i> , 2019, 21, 8832-8836.	2.4	11
80	An Ordered Ni ₆ -Ring Superstructure Enables a Highly Stable Sodium Oxide Cathode. <i>Advanced Materials</i> , 2019, 31, e1903483.	11.1	65
81	Charge-Transfer Complexes: Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel (Adv. Funct. Mater.) TJ ETQq1 1 0.7843149gBT /Ov		
82	The acidic nature of "NMR-invisible" tri-coordinated framework aluminum species in zeolites. <i>Chemical Science</i> , 2019, 10, 10159-10169.	3.7	78
83	Substrate-induced hydrothermal synthesis of hematite superstructures and their Fischer-Tropsch synthesis performance. <i>New Journal of Chemistry</i> , 2019, 43, 3454-3461.	1.4	6
84	Exploiting Lithium-Depleted Cathode Materials for Solid-State Li Metal Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901335.	10.2	14
85	Air-Stable and High-Voltage Layered P3-Type Cathode for Sodium-Ion Full Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24184-24191.	4.0	58
86	Photosensitizers for Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900132.	3.9	637
87	Nanostructures and Nanomaterials for Sodium Batteries. , 2019, , 265-312.		1
88	Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode. <i>Advanced Science</i> , 2019, 6, 1801908.	5.6	41
89	Biodegradable Natural Product-Based Nanoparticles for Near-Infrared Fluorescence Imaging-Guided Sonodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18178-18185.	4.0	55
90	Pheophytin Derived Near-Infrared-Light Responsive Carbon Dot Assembly as a New Phototheranotic Agent for Bioimaging and Photodynamic Therapy. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2162-2168.	1.7	47

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91	Synthesis of Anatase TiO ₂ Nanocrystals with Defined Morphologies from Exfoliated Nanoribbons: Photocatalytic Performance and Application in Dye-sensitized Solar Cell. <i>ChemistrySelect</i> , 2019, 4, 4443-4457.	0.7	16
92	An effective LiBO ₂ coating to ameliorate the cathode/electrolyte interfacial issues of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ in solid-state Li batteries. <i>Journal of Power Sources</i> , 2019, 426, 242-249.	4.0	54
93	Design of Efficient Exciplex Emitters by Decreasing the Energy Gap Between the Local Excited Triplet (3LE) State of the Acceptor and the Charge Transfer (CT) States of the Exciplex. <i>Frontiers in Chemistry</i> , 2019, 7, 188.	1.8	7
94	A Stable Layered Oxide Cathode Material for High-performance Sodium-ion Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1803978.	10.2	191
95	High performance low-dimensional perovskite solar cells based on a one dimensional lead iodide perovskite. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8811-8817.	5.2	54
96	Substitution Conformation Balances the Oscillator Strength and Singlet-Triplet Energy Gap for Highly Efficient D-TAD Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801767.	3.6	29
97	Intermolecular Interaction-Induced Thermally Activated Delayed Fluorescence Based on a Thiochromone Derivative. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1888-1893.	2.1	23
98	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for High-Voltage Lithium Metal Batteries. <i>Advanced Materials</i> , 2019, 31, e1807789.	11.1	333
99	Microwave-Assisted Synthesis of High-Energy Faceted TiO ₂ Nanocrystals Derived from Exfoliated Porous Metatitanic Acid Nanosheets with Improved Photocatalytic and Photovoltaic Performance. <i>Materials</i> , 2019, 12, 3614.	1.3	19
100	The Promotion Effect of Transition Metals on Water-tolerant Performance of Cu/SiO ₂ Catalysts in Hydrogenation Reaction. <i>ChemistrySelect</i> , 2019, 4, 14063-14068.	0.7	8
101	High efficiency, high color rendering index white organic light-emitting diodes based on thermally activated delayed fluorescence materials. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	9
102	Natural-Origin Hypocrellin-HSA Assembly for Highly Efficient NIR Light-Responsive Phototheranostics against Hypoxic Tumors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44989-44998.	4.0	27
103	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. <i>Nano Energy</i> , 2019, 55, 143-150.	8.2	142
104	Gas phase dehydration of glycerol to acrolein over NaHSO ₄ @Zr-MCM-41 catalyst. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1152-1159.	0.9	2
105	Highly efficient white light-emitting diodes with a bi-component emitting layer based on blue and yellow thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2951-2956.	2.7	26
106	Effect of Benzene Rings Incorporation on Photovoltaic Performance of Indacenodithiophene-cored Molecular Acceptors. <i>Chinese Journal of Chemistry</i> , 2018, 36, 306-310.	2.6	4
107	Na ⁺ vacancy disordering promises high-rate Na-ion batteries. <i>Science Advances</i> , 2018, 4, eaar6018.	4.7	341
108	Azo-linked porous organic polymers: robust and time-efficient synthesis via NaBH ₄ -mediated reductive homocoupling on polynitro monomers and adsorption capacity towards aniline in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5608-5612.	5.2	36

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109	Cancer Therapy: A Magnetofluorescent Carbon Dot Assembly as an Acidic H ₂ O ₂ -Driven Oxygenerator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy (Adv. Mater. 13/2018). Advanced Materials, 2018, 30, 1870093.	11.1	3
110	Highly Efficient, Solution-Processed Organic Light-Emitting Diodes Based on Thermally Activated Delayed-Fluorescence Emitter with a Mixed Polymer Interlayer. ACS Applied Energy Materials, 2018, 1, 543-551.	2.5	29
111	A Magnetofluorescent Carbon Dot Assembly as an Acidic H ₂ O ₂ -Driven Oxygenerator to Regulate Tumor Hypoxia for Simultaneous Bimodal Imaging and Enhanced Photodynamic Therapy. Advanced Materials, 2018, 30, e1706090.	11.1	385
112	Trapping Lithium into Hollow Silica Microspheres with a Carbon Nanotube Core for Dendrite-Free Lithium Metal Anodes. Nano Letters, 2018, 18, 297-301.	4.5	130
113	PEGylated carbon dot/MnO ₂ nanohybrid: a new pH/H ₂ O ₂ -driven, turn-on cancer nanotheranostics. Science China Materials, 2018, 61, 1325-1338.	3.5	44
114	Singlet Oxygen Kinetics in Polymeric Photosensitizers. Journal of Physical Chemistry C, 2018, 122, 12071-12076.	1.5	10
115	An Abnormal 3.7V O ₃ -Type Sodium-Ion Battery Cathode. Angewandte Chemie, 2018, 130, 8310-8315.	1.6	23
116	An Abnormal 3.7V O ₃ -Type Sodium-Ion Battery Cathode. Angewandte Chemie - International Edition, 2018, 57, 8178-8183.	7.2	109
117	Relation of Catalytic Performance to the Aluminum Siting of Acidic Zeolites in the Conversion of Methanol to Olefins, Viewed via a Comparison between ZSM-5 and ZSM-11. ACS Catalysis, 2018, 8, 5485-5505.	5.5	148
118	Realizing a highly stable sodium battery with dendrite-free sodium metal composite anodes and O ₃ -type cathodes. Nano Energy, 2018, 48, 369-376.	8.2	99
119	Understanding the structural evolution and Na ⁺ kinetics in honeycomb-ordered O ₃ -Na ₃ Ni ₂ SbO ₆ cathodes. Nano Research, 2018, 11, 3258-3271.	5.8	35
120	Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. Journal of the American Chemical Society, 2018, 140, 82-85.	6.6	404
121	A novel bismuth-based anode material with a stable alloying process by the space confinement of an <i>in situ</i> conversion reaction for a rechargeable magnesium ion battery. Chemical Communications, 2018, 54, 1714-1717.	2.2	42
122	Layered Oxide Cathodes for Sodium-Ion Batteries: Phase Transition, Air Stability, and Performance. Advanced Energy Materials, 2018, 8, 1701912.	10.2	519
123	A large-bandgap small-molecule electron acceptor utilizing a new indacenodibenzothiophene core for organic solar cells. Materials Chemistry Frontiers, 2018, 2, 136-142.	3.2	18
124	Micropore blocked core-shell ZSM-22 designed <i>via</i> epitaxial growth with enhanced shape selectivity and high <i>n</i> -dodecane hydroisomerization performance. Catalysis Science and Technology, 2018, 8, 6407-6419.	2.1	23
125	Interface Exciplex Anchoring the Color Stability of Solution-Processed Thermally Activated Delayed Fluorescent White Organic Light-Emitting Diodes. Advanced Optical Materials, 2018, 6, 1800978.	3.6	34
126	Crystallization Mechanism of Pure-Silica ZSM-22 in the Seed-Assistant System. Crystal Growth and Design, 2018, 18, 6591-6601.	1.4	19

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127	Biodegradable hypocrellin derivative nanovesicle as a near-infrared light-driven theranostic for dually photoactive cancer imaging and therapy. <i>Biomaterials</i> , 2018, 185, 133-141.	5.7	54
128	Advanced $P2\text{-Na}_{2/3}\text{Ni}_{1/3}\text{Mn}_{7/12}\text{Fe}_{1/12}\text{O}_2$ Cathode Material with Suppressed $P2\text{-O}_2$ Phase Transition toward High-Performance Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34272-34282.	4.0	127
129	Fe_2O_3 hollow microspheres as highly selective catalysts for the production of $\hat{1}\pm$ -olefins. <i>New Journal of Chemistry</i> , 2018, 42, 17923-17930.	1.4	4
130	Dehydration of Castor Oil over a $\text{NaHSO}_4/\text{MCM-41}$ Catalyst Prepared by Supercritical Impregnation. <i>Chemical Engineering and Technology</i> , 2018, 41, 2186-2195.	0.9	7
131	A Layered "Tunnel Intergrowth Structure for High-Performance Sodium-Ion Oxide Cathode. <i>Advanced Energy Materials</i> , 2018, 8, 1800492.	10.2	116
132	Mitigating Interfacial Potential Drop of Cathode "Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 6767-6770.	6.6	192
133	New detection method for nucleoside triphosphates based on carbon dots: The distance-dependent singlet oxygen trapping. <i>Analytica Chimica Acta</i> , 2018, 1031, 145-151.	2.6	10
134	Coumarin/fluorescein-fused fluorescent dyes for rapidly monitoring mitochondrial pH changes in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 590-597.	2.0	31
135	Insights into the Improved High-Voltage Performance of Li-Incorporated Layered Oxide Cathodes for Sodium-Ion Batteries. <i>CheM</i> , 2018, 4, 2124-2139.	5.8	128
136	In situ X-ray diffraction and thermal analysis of $\text{LiNi}_0.8\text{Co}_0.15\text{Al}_0.05\text{O}_2$ synthesized via co-precipitation method. <i>Journal of Energy Chemistry</i> , 2018, 27, 1655-1660.	7.1	29
137	Ameliorating the Interfacial Problems of Cathode and Solid-State Electrolytes by Interface Modification of Functional Polymers. <i>Advanced Energy Materials</i> , 2018, 8, 1801528.	10.2	127
138	Dehydration of castor oil over $\text{H}_6\text{P}_2\text{W}_{18}\text{O}_{62}/\text{MCM-41}$. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 1007-1021.	0.8	0
139	Gas phase dehydration of glycerol to acrolein on an amino siloxane-functionalized MCM-41 supported Wells "Dawson type $\text{H}_6\text{P}_2\text{W}_{18}\text{O}_{62}$ catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 14271-14280.	1.4	19
140	Synthesis of carbon dots from <i>Hypocrella bambusae</i> for bimodel fluorescence/photoacoustic imaging-guided synergistic photodynamic/photothermal therapy of cancer. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 302-311.	5.0	105
141	Exposing {010} Active Facets by Multiple-Layer Oriented Stacking Nanosheets for High-Performance Capacitive Sodium-Ion Oxide Cathode. <i>Advanced Materials</i> , 2018, 30, e1803765.	11.1	142
142	Constructing a Stable Lithium Metal "Gel Electrolyte Interface for Quasi-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30065-30070.	4.0	45
143	Carbon Dots as Multifunctional Phototheranostic Agents for Photoacoustic/Fluorescence Imaging and Photothermal/Photodynamic Synergistic Cancer Therapy. <i>Advanced Therapeutics</i> , 2018, 1, 1800077.	1.6	77
144	Polymer Dots as Effective Phototheranostic Agents. <i>Photochemistry and Photobiology</i> , 2018, 94, 916-934.	1.3	40

#	ARTICLE	IF	CITATIONS
145	Designing High-Performance Composite Electrodes for Vanadium Redox Flow Batteries: Experimental and Computational Investigation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22381-22388.	4.0	42
146	Valorization of Furfural Residue by Hydrothermal Carbonization: Processing Optimization, Chemical and Structural Characterization. <i>ChemistrySelect</i> , 2017, 2, 583-590.	0.7	7
147	Novel P2-type Na _{2/3} Ni _{1/6} Mg _{1/6} Ti _{2/3} O ₂ as an anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2017, 53, 1957-1960.	2.2	43
148	Coumarin-Based Boron Complexes with Aggregation-Induced Emission. <i>Journal of Organic Chemistry</i> , 2017, 82, 3456-3462.	1.7	58
149	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14590-14595.	4.0	49
150	Prussian blue nanocubes as cathode materials for aqueous Na-Zn hybrid batteries. <i>Journal of Power Sources</i> , 2017, 355, 18-22.	4.0	109
151	Excellent Comprehensive Performance of Na-Based Layered Oxide Benefiting from the Synergetic Contributions of Multimetal Ions. <i>Advanced Energy Materials</i> , 2017, 7, 1700189.	10.2	82
152	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. <i>Nano Research</i> , 2017, 10, 3113-3123.	5.8	246
153	Dehydration of Castor Oil over NaHSO ₄ /MCM-41 Catalyst Modified by Dodecyltriethoxysilane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 772-779.	0.6	8
154	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017, 29, 1701968.	11.1	350
155	Biocompatible Iron Phthalocyanine-Albumin Assemblies as Photoacoustic and Thermal Theranostics in Living Mice. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21124-21132.	4.0	59
156	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017, 139, 8440-8443.	6.6	303
157	Dual-Emission Channels for Simultaneous Sensing of Cysteine and Homocysteine in Living Cells. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2098-2103.	1.7	21
158	Self-Assembled Carbon Dot Nanosphere: A Robust, Near-Infrared Light-Responsive, and Vein Injectable Photosensitizer. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601419.	3.9	41
159	Versatile Polymer Nanoparticles as Two-Photon-Triggered Photosensitizers for Simultaneous Cellular, Deep-Tissue Imaging, and Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601431.	3.9	35
160	Ti-Substituted NaNi _{0.5} Mn _{0.5} Ti _x O ₂ Cathodes with Reversible O3 ⁺ P3 Phase Transition for High-Performance Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1700210.	11.1	309
161	Near-Infrared Probe Based on Rhodamine Derivative for Highly Sensitive and Selective Lysosomal pH Tracking. <i>Analytical Chemistry</i> , 2017, 89, 1922-1929.	3.2	134
162	Ethylene glycol-mediated synthetic route for production of luminescent silicon nanorod as photodynamic therapy agent. <i>Science China Materials</i> , 2017, 60, 881-891.	3.5	10

#	ARTICLE	IF	CITATIONS
163	Triplet decay-induced negative temperature dependence of the transient photoluminescence decay of thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12077-12084.	2.7	48
164	Honeycomb-Ordered Na ₃ Ni _{1.5} M _{0.5} BiO ₆ (M = Ni, Cu). <i>Journal of Materials Chemistry C</i> , 2017, 5, 2715-2722.	8.8	70
165	Iron oxyfluorides as lithium-free cathode materials for solid-state Li metal batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18464-18468.	5.2	16
166	High-Thermal- and Air-Stability Cathode Material with Concentration-Gradient Buffer for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42829-42835.	4.0	74
167	n-Doping-induced efficient electron-injection for high efficiency inverted organic light-emitting diodes based on thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8400-8407.	2.7	29
168	A fluorescent probe for the efficient discrimination of Cys, Hcy and GSH based on different cascade reactions. <i>Biosensors and Bioelectronics</i> , 2017, 90, 117-124.	5.3	110
169	The effect of adsorbed chromium on the pyrolysis behavior of brown coal and the recovery of chromium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 513-522.	2.0	5
170	Highly Conductive, Air-Stable Silver Nanowire@Longel Composite Films toward Flexible Transparent Electrodes. <i>Advanced Materials</i> , 2016, 28, 7167-7172.	11.1	203
171	Investigation of biological cell-small molecule interactions with a gold surface plasmon resonance sensor using a laser scanning confocal imaging-surface plasmon resonance system. <i>RSC Advances</i> , 2016, 6, 65930-65935.	1.7	3
172	Suppressing the P2 ⁺ O ₂ Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7445-7449.	7.2	439
173	Carbon Dots with Intrinsic Theranostic Properties for Bioimaging, Red-Light-Triggered Photodynamic/Photothermal Simultaneous Therapy In Vitro and In Vivo. <i>Advanced Healthcare Materials</i> , 2016, 5, 665-675.	3.9	246
174	Keto-Coumarin-Based Near-Infrared Dyes with Large Stokes Shifts for Bioimaging Applications. <i>Chemistry - an Asian Journal</i> , 2016, 11, 498-504.	1.7	34
175	Zeolite CAN and AFI-Type Zeolitic Imidazolate Frameworks with Large 12-Membered Ring Pore Openings Synthesized Using Bulky Amides as Structure-Directing Agents. <i>Journal of the American Chemical Society</i> , 2016, 138, 16232-16235.	6.6	50
176	Deep-red to near-infrared fluorescent dyes: Synthesis, photophysical properties, and application in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 164, 8-14.	2.0	15
177	Methane formation mechanism in the initial methanol-to-olefins process catalyzed by SAPO-34. <i>Catalysis Science and Technology</i> , 2016, 6, 5526-5533.	2.1	43
178	Conversion of Methanol to Olefins over H-ZSM-5 Zeolite: Reaction Pathway Is Related to the Framework Aluminum Siting. <i>ACS Catalysis</i> , 2016, 6, 7311-7325.	5.5	285
179	Deep-Red and Near-Infrared Xanthene Dyes for Rapid Live Cell Imaging. <i>Journal of Organic Chemistry</i> , 2016, 81, 7393-7399.	1.7	43
180	Theranostics: Carbon Dots with Intrinsic Theranostic Properties for Bioimaging, Red-Light-Triggered Photodynamic/Photothermal Simultaneous Therapy In Vitro and In Vivo (<i>Adv. Healthcare Mater.</i>)	11.0	50

#	ARTICLE	IF	CITATIONS
181	Surface-enhanced Raman scattering substrate based on cysteamine-modified gold nanoparticle aggregation for highly sensitive pentachlorophenol detection. <i>RSC Advances</i> , 2016, 6, 85285-85292.	1.7	13
182	Highly Efficient Nondoped Organic Light Emitting Diodes Based on Thermally Activated Delayed Fluorescence Emitter with Quantum-Well Structure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20955-20961.	4.0	32
183	A Versatile and Clearable Nanocarbon Theranostic Based on Carbon Dots and Gadolinium Metallofullerene Nanocrystals. <i>Advanced Healthcare Materials</i> , 2016, 5, 2283-2294.	3.9	26
184	A macromolecular cyclometalated gold(III) amphiphile displays long-lived emissive excited state in water: self-assembly and in vitro photo-toxicity. <i>Chemical Communications</i> , 2016, 52, 13273-13276.	2.2	22
185	An O ₃ -type NaNi _{0.5} Mn _{0.5} O ₂ cathode for sodium-ion batteries with improved rate performance and cycling stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17660-17664.	5.2	185
186	Suppressing the P2 \leftrightarrow O ₂ Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 7571-7575.	1.6	84
187	Highly efficient inverted organic light-emitting diodes based on thermally activated delayed fluorescence. <i>Science China Materials</i> , 2016, 59, 421-426.	3.5	14
188	Graphene quantum dots as efficient, metal-free, visible-light-active photocatalysts. <i>Science China Materials</i> , 2016, 59, 12-19.	3.5	44
189	A ratiometric fluorescent probe for quantification of alkaline phosphatase in living cells. <i>RSC Advances</i> , 2016, 6, 32046-32051.	1.7	42
190	DOSY NMR: A Versatile Analytical Chromatographic Tool for Lignocellulosic Biomass Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1193-1200.	3.2	30
191	Tunable multicolor carbon dots prepared from well-defined polythiophene derivatives and their emission mechanism. <i>Nanoscale</i> , 2016, 8, 729-734.	2.8	176
192	Light-Emitting Diodes: Highly Efficient Orange and Red Phosphorescent Organic Light-Emitting Diodes with Low Roll-Off of Efficiency using a Novel Thermally Activated Delayed Fluorescence Material as Host (<i>Adv. Mater.</i> 27/2015). <i>Advanced Materials</i> , 2015, 27, 4104-4104.	11.1	1
193	Red-Emissive Carbon Dots for Fluorescent, Photoacoustic, and Thermal Theranostics in Living Mice. <i>Advanced Materials</i> , 2015, 27, 4169-4177.	11.1	758
194	Highly Efficient Orange and Red Phosphorescent Organic Light-Emitting Diodes with Low Roll-Off of Efficiency using a Novel Thermally Activated Delayed Fluorescence Material as Host. <i>Advanced Materials</i> , 2015, 27, 4041-4047.	11.1	127
195	Controlled cyclic drug release based on chemomechanical gels. <i>Journal of Controlled Release</i> , 2015, 213, e33.	4.8	1
196	Imaging of nucleolar RNA in living cells using a highly photostable deep-red fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2015, 68, 189-196.	5.3	65
197	Catalytic properties and deactivation behavior of H-MCM-22 in the conversion of methanol to hydrocarbons. <i>RSC Advances</i> , 2015, 5, 28794-28802.	1.7	27
198	Nonvolatile memory devices based on carbon nano-dot doped poly(vinyl alcohol) composites with low operation voltage and high ON/OFF ratio. <i>RSC Advances</i> , 2015, 5, 26886-26890.	1.7	16

#	ARTICLE	IF	CITATIONS
199	Multifunctional upconversionâ€“nanoparticlesâ€“trismethylpyridylporphyrinâ€“fullerene nanocomposite: a near-infrared light-triggered theranostic platform for imaging-guided photodynamic therapy. <i>NPG Asia Materials</i> , 2015, 7, e205-e205.	3.8	84
200	White organic light emitting diodes based on a yellow thermally activated delayed fluorescent emitter and blue fluorescent emitter. <i>RSC Advances</i> , 2015, 5, 59137-59141.	1.7	16
201	Green Synthesis of Bifunctional Fluorescent Carbon Dots from Garlic for Cellular Imaging and Free Radical Scavenging. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17054-17060.	4.0	494
202	A facile high-speed vibration milling method to mass production of water-dispersible silicon quantum dots for long-term cell imaging. <i>RSC Advances</i> , 2015, 5, 35291-35296.	1.7	14
203	Chromogenic/Fluorogenic Ensemble Chemosensing Systems. <i>Chemical Reviews</i> , 2015, 115, 7893-7943.	23.0	351
204	Aminobenzofuran-Fused Rhodamine Dyes with Deep-Red to Near-Infrared Emission for Biological Applications. <i>Journal of Organic Chemistry</i> , 2015, 80, 3170-3175.	1.7	40
205	Deep-Red Emissive Crescent-Shaped Fluorescent Dyes: Substituent Effect on Live Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7421-7427.	4.0	44
206	Highly stable organic fluorescent nanorods for living-cell imaging. <i>Nano Research</i> , 2015, 8, 2380-2389.	5.8	49
207	A selective fluorescent and colorimetric dual-responses chemosensor for streptomycin based on polythiophene derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 871-874.	2.0	18
208	A graphene quantum dot photodynamic therapy agent with high singlet oxygen generation. <i>Nature Communications</i> , 2014, 5, 4596.	5.8	1,141
209	Investigation of biological cellâ€“protein interactions using SPR sensor through laser scanning confocal imagingâ€“surface plasmon resonance system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 381-386.	2.0	20
210	1,4-Diazobicyclo(2,2,2)octane-modified multi-ammonium derivatives as ratiometric fluorescent sensors for lipopolysaccharide. <i>Supramolecular Chemistry</i> , 2013, 25, 69-78.	1.5	3
211	Real time detection of antibody-antigen interaction using a laser scanning confocal imaging-surface plasmon resonance system. <i>Chinese Physics B</i> , 2012, 21, 020601.	0.7	8
212	Synthesis and characterization of cyano-substituted pyridine derivatives for applications as exciton blockers in photovoltaic devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 5107.	6.7	14
213	Bipolar cyano-substituted pyridine derivatives for applications in organic light-emitting devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 8922.	6.7	24
214	Modified silicon nanowires: a fluorescent nitric oxide biosensor with enhanced selectivity and stability. <i>Journal of Materials Chemistry</i> , 2012, 22, 3348.	6.7	19
215	A facile assay for direct colorimetric visualization of lipopolysaccharides at low nanomolar level. <i>Nano Research</i> , 2012, 5, 486-493.	5.8	54
216	A novel fluorogenic hybrid material for selective sensing of thiophenols. <i>Journal of Materials Chemistry</i> , 2011, 21, 13561.	6.7	51

#	ARTICLE	IF	CITATIONS
217	Synthesis and properties of n-type triphenylpyridine derivatives and applications in deep-blue organic light-emitting devices as electron-transporting layer. <i>Journal of Materials Chemistry</i> , 2011, 21, 12977.	6.7	29
218	Aggregation-induced emission enhancement materials with large red shifts and their self-assembled crystal microstructures. <i>CrystEngComm</i> , 2011, 13, 4617.	1.3	31
219	Highly efficient nondoped green organic light-emitting devices based on a substituted triphenylpyridine derivative. <i>Applied Physics Letters</i> , 2009, 95, 133301.	1.5	17
220	Fluorescence chemosensors with pyrene and their interaction with nucleotide phosphate. <i>Science in China Series B: Chemistry</i> , 1999, 42, 236-244.	0.8	2
221	Hyperpolarisability of (donor) ² -acceptor type molecules determined by EFISHG. <i>Advanced Materials for Optics and Electronics</i> , 1996, 6, 233-238.	0.6	24
222	Red Fluorescent Organic Light-Emitting Diodes with Low-Efficiency Roll-Off. <i>Energy & Fuels</i> , 0, , .	2.5	3