Qichun Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

483 papers	40,528 citations	1238 110 h-index	3732 179 g-index
523 all docs	523 docs citations	523 times ranked	33592 citing authors

#	Article	IF	Citations
1	Design strategies for improving the crystallinity of covalent organic frameworks and conjugated polymers: a review. Materials Horizons, 2022, 9, 121-146.	12.2	51
2	Recent Progress in Externalâ€Stimulusâ€Responsive 2D Covalent Organic Frameworks. Advanced Materials, 2022, 34, e2101175.	21.0	148
3	Sulfur-modified chitosan derived N,S-co-doped carbon as a bifunctional material for adsorption and catalytic degradation sulfamethoxazole by persulfate. Journal of Hazardous Materials, 2022, 424, 127270.	12.4	70
4	Recent advances on crystalline materials-based flexible memristors for data storage and neuromorphic applications. Science China Materials, 2022, 65, 2110-2127.	6.3	45
5	A co-crystallization strategy toward high-performance n-type organic semiconductors through charge transport switching from p-type planar azaacene derivatives. Journal of Materials Chemistry C, 2022, 10, 2757-2762.	5.5	4
6	Metalâ€“Organic Frameworks Constructed from Ironâ€Series Elements for Supercapacitors. Small Structures, 2022, 3, 2100115.	12.0	73
7	Multi-thiol-supported dicarboxylate-based metalâ€“organic framework with excellent performance for lithium-ion battery. Chemical Engineering Journal, 2022, 431, 133234.	12.7	23
8	Carbon tube-graphene heterostructure with different N-doping configurations induces an electrochemically active-active interface for efficient oxygen electrocatalysis. Chemical Engineering Journal, 2022, 431, 133730.	12.7	18
9	Efficient persulfate activation catalyzed by pyridinic N, C OH, and thiophene S on N,S-co-doped carbon for nonradical sulfamethoxazole degradation: Identification of active sites and mechanisms. Separation and Purification Technology, 2022, 284, 120197.	7.9	24
10	Recent Progress of Organicâ€“Inorganic Hybrid Perovskites in RRAM, Artificial Synapse, and Logic Operation. Small Science, 2022, 2, 2100086.	9.9	79
11	Relationship Between Molecular Structure, Single crystal Packing and Selfâ€Assembly Behavior: A Case Based on Pyrene Imide Derivatives. Chemistry - A European Journal, 2022, 28, e202103808.	3.3	5
12	Construction of a cementâ€“rebar nanoarchitecture for a solutionâ€processed and flexible film of a Bi₂Te₃/CNT hybrid toward low thermal conductivity and high thermoelectric performance. , 2022, 4, 115-128.		21
13	Nanofiber Architecture Engineering Implemented by Electrophoretic-Induced Self-Assembly Deposition Technology for Flash-Type Memristors. ACS Applied Materials & Interfaces, 2022, 14, 3111-3120.	8.0	16
14	Recent progress in pyrazinacenes containing nonbenzenoid rings: synthesis, properties and applications. Journal of Materials Chemistry C, 2022, 10, 2475-2493.	5.5	5
15	Simultaneously enhancing aggregation-induced emission and boosting two-photon absorption of perylene diimides through regioisomerization. Journal of Materials Chemistry C, 2022, 10, 7039-7048.	5.5	18
16	Improved Lowâ€Temperature Solutionâ€Growth of CsPbBr_{3â€“n}Cl_n Single Crystals for Xâ€Ray Detection. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	17
17	Seeing Is Believing: A Wavy N-Heteroarene with 20 Six-Membered Rings Linearly Annulated in a Row. CCS Chemistry, 2022, 4, 3491-3496.	7.8	10
18	Facile Azabenzâ€Annulations through UVâ€induced Photocyclization: A Promising Method for Perylenediimideâ€Based Organic Semiconductors. Chemistry - an Asian Journal, 2022, 17, .	3.3	5

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19	Covalent organic framework containing dual redox centers as an efficient anode in Liâ€ion batteries. SmartMat, 2022, 3, 685-694.	10.7	42
20	Calix[8]quinone: A new promising macrocyclic molecule as an efficient organic cathode in lithium ion batteries with a highlyâ€concentrated electrolyte. EcoMat, 2022, 4, .	11.9	15
21	Recent advances in pillarâ€layered metalâ€organic frameworks with interpenetrated and nonâ€interpenetrated topologies as supercapacitor electrodes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	7
22	Recent Progress on Organic Electrode Materials for Multivalent (Zn, Al, Mg, Ca) Secondary Batteries. Batteries and Supercaps, 2022, 5, .	4.7	23
23	Heterogeneous Ni-MOF/V₂CT_xâ€“MXene hierarchically-porous nanorods for robust and high energy density hybrid supercapacitors. Journal of Materials Chemistry A, 2022, 10, 12225-12234.	10.3	41
24	Recent Progress in Emerging Organic Semiconductors. Advanced Materials, 2022, 34, .	21.0	26
25	Durable, flexible, and superâ€hydrophobic wood membrane with nanopore by molecular crossâ€linking for efficient separation of stabilized water/oil emulsions. EcoMat, 2022, 4, .	11.9	22
26	Multifunctional Features of Organic Chargeâ€Transfer Complexes: Advances and Perspectives. Chemistry - A European Journal, 2021, 27, 464-490.	3.3	76
27	Ferrocene-based metal-organic framework as a promising cathode in lithium-ion battery. Chemical Engineering Journal, 2021, 404, 126463.	12.7	64
28	Shooting flexible electronics. Frontiers of Physics, 2021, 16, 1.	5.0	33
29	Overview of electric-field-induced deposition technology in fabricating organic thin films. Journal of Materials Chemistry C, 2021, 9, 374-394.	5.5	22
30	Recent Progress in Polycyclic Aromatic Hydrocarbonâ€Based Organic Coâ€Crystals. Chemical Record, 2021, 21, 116-132.	5.8	9
31	Frontispiece: Multifunctional Features of Organic Chargeâ€Transfer Complexes: Advances and Perspectives. Chemistry - A European Journal, 2021, 27, .	3.3	0
32	A fibrous thiazolothiazole-bridged viologen polymer for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 18506-18514.	10.3	26
33	Recent advances in the â€œonâ€“offâ€approaches for on-demand liquid-phase hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 18164-18174.	10.3	60
34	In situ synthesis of hierarchical NiCo-MOF@Ni_{1â^'x}Co_x(OH)₂ heterostructures for enhanced pseudocapacitor and oxygen evolution reaction performances. Dalton Transactions, 2021, 50, 3060-3066.	3.3	23
35	An asymmetric supercapacitor with an interpenetrating crystalline Fe-MOF as the positive electrode and its congenetic derivative as the negative electrode. Inorganic Chemistry Frontiers, 2021, 8, 4878-4886.	6.0	16
36	Two isomeric zeolite-like metalâ€“organic frameworks with mechanically responsive luminescence emission and gas adsorption properties. CrystEngComm, 2021, 23, 5753-5757.	2.6	9

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37	Recent progress on pristine two-dimensional metalâ€“organic frameworks as active components in supercapacitors. Dalton Transactions, 2021, 50, 11331-11346.	3.3	118
38	Nonâ€Metal Ion Coâ€Insertion Chemistry in Aqueous Zn/MnO₂ Batteries. Angewandte Chemie, 2021, 133, 7132-7136.	2.0	25
39	Poly(2,5â€Dihydroxyâ€1,4â€Benzoquinonyl Sulfide) As an Efficient Cathode for Highâ€Performance Aqueous Zincâ€“Organic Batteries. Advanced Functional Materials, 2021, 31, 2010049.	14.9	143
40	Our research progress in heteroaggregation and homoaggregation of organic Ïâ€conjugated systems. Aggregate, 2021, 2, e35.	9.9	28
41	Organic Materials as Electrodes in Potassiumâ€Ion Batteries. Chemistry - A European Journal, 2021, 27, 6131-6144.	3.3	83
42	Nonâ€Metal Ion Coâ€Insertion Chemistry in Aqueous Zn/MnO₂ Batteries. Angewandte Chemie - International Edition, 2021, 60, 7056-7060.	13.8	146
43	Toward Highly Robust Nonvolatile Multilevel Memory by Fine Tuning of the Nanostructural Crystalline Solidâ€State Order. Small, 2021, 17, e2100102.	10.0	24
44	Fe-Based Coordination Polymers as Battery-Type Electrodes in Semi-Solid-State Batteryâ€“Supercapacitor Hybrid Devices. ACS Applied Materials & Interfaces, 2021, 13, 15315-15323.	8.0	139
45	Hydrogen Bonding in Self-Healing Elastomers. ACS Omega, 2021, 6, 9319-9333.	3.5	79
46	Recent advances on Ïâ€conjugated polymers as active elements in high performance organic field-effect transistors. Frontiers of Physics, 2021, 16, 1.	5.0	41
47	Recent advances in vacancy engineering of metalâ€organic frameworks and their derivatives for electrocatalysis. SusMat, 2021, 1, 66-87.	14.9	230
48	Mechanical analysis of flexible integrated energy storage devices under bending by the finite element method. Science China Materials, 2021, 64, 2182-2192.	6.3	8
49	Frontispiece: Organic Materials as Electrodes in Potassiumâ€Ion Batteries. Chemistry - A European Journal, 2021, 27, .	3.3	1
50	Carbon materialâ€based anodes in the microbial fuel cells. , 2021, 3, 449-472.		64
51	Recent Advance in Ionicâ€Liquidâ€Based Electrolytes for Rechargeable Metalâ€Ion Batteries. Advanced Science, 2021, 8, 2004490.	11.2	128
52	Advances in metalâ€“organic frameworks and their derivatives for diverse electrocatalytic applications. Electrochemistry Communications, 2021, 126, 107024.	4.7	131
53	Recent progress in covalent organic frameworks as light-emitting materials. Materials Today Energy, 2021, 20, 100635.	4.7	77
54	Organic borate doped carbon nanotube for enhancement of thermoelectric performance. Carbon, 2021, 182, 742-748.	10.3	11

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55	Anthrathiadiazole Derivatives: Synthesis, Physical Properties and Twoâ€photon Absorption. Chemistry - A European Journal, 2021, 27, 10898-10902.	3.3	3
56	Recent progress in 1,4-diazafluorene-cored optoelectronic materials: A review. Dyes and Pigments, 2021, 191, 109365.	3.7	9
57	Employing Equivalent Circuit Models to Study the Performance of Seleniumâ€Based Solar Cells with Polymers as Hole Transport Layers. Small, 2021, 17, e2101226.	10.0	7
58	Doubleâ€effect of highly concentrated acetonitrileâ€based electrolyte in organic lithiumâ€ion battery. EcoMat, 2021, 3, .	11.9	22
59	A universal high-efficient and reusable â€œonâ€“offâ€switch for the on-demand hydrogen evolution. Chemical Engineering Journal Advances, 2021, 7, 100128.	5.2	8
60	Recent advances on electrochemical methods in fabricating twoâ€dimensional organicâ€ligandâ€containing frameworks. SmartMat, 2021, 2, 299-325.	10.7	66
61	Outside Front Cover: Volume 2 Issue 3. SmartMat, 2021, 2, i.	10.7	0
62	Simultaneous degradation of high concentration of citric acid coupled with electricity generation in dual-chamber microbial fuel cell. Biochemical Engineering Journal, 2021, 173, 108095.	3.6	9
63	Covalent organic framework as an efficient fluorescence-enhanced probe to detect aluminum ion. Dyes and Pigments, 2021, 195, 109710.	3.7	29
64	Carbonization of camphor sulfonic acid and melamine to N,S-co-doped carbon for sulfamethoxazole degradation via persulfate activation: Nonradical dominant pathway. Separation and Purification Technology, 2021, 279, 119723.	7.9	23
65	Effect of Crystalline Microstructure Evolution on Thermoelectric Performance of PEDOT : PSS Films. Energy Material Advances, 2021, 2021, .	11.0	30
66	Improving the hole transport performance of perovskite solar cells through adjusting the mobility of the as-synthesized conjugated polymer. Journal of Materials Chemistry C, 2021, 9, 3421-3428.	5.5	12
67	The design strategies and applications for organic multi-branched two-photon absorption chromophores with novel cores and branches: a recent review. Journal of Materials Chemistry C, 2021, 9, 1520-1536.	5.5	44
68	Recent Progress on Two-Dimensional Materials. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	4.9	269
69	Rechargeable Sodiumâ€ion Battery Based on Polyazaacene Analogue Anode. Chemistry - A European Journal, 2021, 27, 16754-16759.	3.3	11
70	Realizing White Emission of Single-Layer Dual-Color Perovskite Light-Emitting Devices by Modulating the Electroluminescence Emission Spectra. Journal of Physical Chemistry Letters, 2021, 12, 10197-10203.	4.6	16
71	In Situ Synthesis of Surface-Mounted Novel Nickel(II) Trimer-Based MOF on Nickel Oxide Hydroxide Heterostructures for Enhanced Methanol Electro-Oxidation. Frontiers in Chemistry, 2021, 9, 780688.	3.6	1
72	Flavonoids extracted from mulberry (Morus alba L.) leaf improve skeletal muscle mitochondrial function by activating AMPK in type 2 diabetes. Journal of Ethnopharmacology, 2020, 248, 112326.	4.1	87

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73	Unexpected Synthesis, Properties, and Nonvolatile Memory Device Application of Imidazole-Fused Azaacenes. Journal of Organic Chemistry, 2020, 85, 101-107.	3.2	31
74	Calix[6]quinone as high-performance cathode for lithium-ion battery. Science China Materials, 2020, 63, 339-346.	6.3	34
75	IRS1/PI3K/AKT pathway signal involved in the regulation of glycolipid metabolic abnormalities by Mulberry (Morus alba L.) leaf extracts in 3T3-L1 adipocytes. Chinese Medicine, 2020, 15, 1.	4.0	66
76	Two-fold interpenetrated Mn-based metalâ€“organic frameworks (MOFs) as battery-type electrode materials for charge storage. Dalton Transactions, 2020, 49, 411-417.	3.3	85
77	Recent progress in well-defined higher azaacenes (nâ‰¥ 6): synthesis, molecular packing, and applications. Materials Chemistry Frontiers, 2020, 4, 3419-3432.	5.9	71
78	Molecular Aggregation of Naphthalene Diimide(NDI) Derivatives in Electron Transport Layers of Inverted Perovskite Solar Cells and Their Influence on the Device Performance. Chemistry - an Asian Journal, 2020, 15, 112-121.	3.3	20
79	Tunable low-dimensional self-assembly of H-shaped bichromophoric perylenediimide Gemini in solution. Nanoscale, 2020, 12, 3058-3067.	5.6	11
80	U-Shaped Helical Azaarenes: Synthesis, Structures, and Properties. Journal of Organic Chemistry, 2020, 85, 291-295.	3.2	10
81	Pure Organic Semiconductorâ€Based Photoelectrodes for Water Splitting. Solar Rrl, 2020, 4, 1900395.	5.8	31
82	Insights into the Control of Optoelectronic Properties in Mixedâ€Stacking Chargeâ€Transfer Complexes. Chemistry - A European Journal, 2020, 26, 3578-3585.	3.3	29
83	Twoâ€Dimensional (2D) Covalent Organic Framework as Efficient Cathode for Binderâ€free Lithiumâ€Ion Battery. ChemSusChem, 2020, 13, 2457-2463.	6.8	159
84	Recent progress in metal-organic frameworks as active materials for supercapacitors. EnergyChem, 2020, 2, 100025.	19.1	326
85	An irreversible electrolyte anion-doping strategy toward a superior aqueous Zn-organic battery. Energy Storage Materials, 2020, 33, 283-289.	18.0	103
86	Enhancing the Performance of a Batteryâ€“Supercapacitor Hybrid Energy Device Through Narrowing the Capacitance Difference Between Two Electrodes via the Utilization of 2D MOF-Nanosheet-Derived Ni@Nitrogen-Doped-Carbon Coreâ€“Shell Rings as Both Negative and Positive Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 47482-47489.	8.0	79
87	Nonvolatile Flexible Memory Based on a Planar Zigzagâ€Type Nitrogenâ€Doped Picene. Advanced Intelligent Systems, 2020, 2, 2000155.	6.1	11
88	Recent progress in aqueous monovalent-ion batteries with organic materials as promising electrodes. Materials Today Energy, 2020, 18, 100547.	4.7	48
89	Recent progress in the usage of tetrabromo-substituted naphthalenetetracarboxylic dianhydride as a building block to construct organic semiconductors and their applications. Organic Chemistry Frontiers, 2020, 7, 3001-3026.	4.5	22
90	Novel core-modulated naphthalenediimides with CN-TFPA as electron transport layer for inverted perovskite solar cells. Materials Research Bulletin, 2020, 132, 111009.	5.2	4

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91	Carbon and carbon composites for thermoelectric applications. , 2020, 2, 408-436.		141
92	Inverted Solar Cells with Thermally Evaporated Selenium as an Active Layer. ACS Applied Energy Materials, 2020, 3, 7345-7352.	5.1	13
93	Electrochromic two-dimensional covalent organic framework with a reversible dark-to-transparent switch. Nature Communications, 2020, 11, 5534.	12.8	149
94	Hydrophobization of fully bio-based epoxy polymers using water as solvent: Effect of additives. European Polymer Journal, 2020, 140, 110043.	5.4	9
95	Green Grinding-Coassembly Engineering toward Intrinsically Luminescent Tetracene in Cocrystals. ACS Nano, 2020, 14, 15962-15972.	14.6	54
96	Bis(thieno[3,2-b]thieno)cyclopentafluorene-Based Acceptor with Efficient and Comparable Photovoltaic Performance under Various Processing Conditions. ACS Applied Materials & Interfaces, 2020, 12, 49876-49885.	8.0	11
97	Seleniumâ€Based Solar Cell with Conjugated Polymers as Both Electron and Hole Transport Layers to Realize High Water Tolerance as well as Good Longâ€Term and Thermal Stability. Solar Rrl, 2020, 4, 2000425.	5.8	3
98	Improving the Fill Factor of Perovskite Solar Cells by Employing an Amine-tethered Diketopyrrolopyrrole-Based Polymer as the Dopant-free Hole Transport Layer. ACS Applied Energy Materials, 2020, 3, 9600-9609.	5.1	26
99	The incorporation of the ionization effect in organic semiconductors assists in triggering multilevel resistive memory behaviors. Materials Chemistry Frontiers, 2020, 4, 3280-3289.	5.9	13
100	Highly Conductive Two-Dimensional Metalâ€“Organic Frameworks for Resilient Lithium Storage with Superb Rate Capability. ACS Nano, 2020, 14, 12016-12026.	14.6	207
101	Fred Wudl. A giant in Ï€-conjugated materials. Materials Chemistry Frontiers, 2020, 4, 3398-3399.	5.9	0
102	Recent Progress in Metalâ€Free Covalent Organic Frameworks as Heterogeneous Catalysts. Small, 2020, 16, e2001070.	10.0	229
103	Butterflyâ€like Tetraazaacenequinodimethane Derivatives: Synthesis, Structure and Halochromic Properties. Chemistry - an Asian Journal, 2020, 15, 2198-2202.	3.3	1
104	Recent advances in organicâ€based materials for resistive memory applications. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 995-1033.	17.3	125
105	Recent Progress in Stimulus-Responsive Two-Dimensional Metalâ€“Organic Frameworks. , 2020, 2, 779-797.		187
106	Superhydrophobic n-octadecylsiloxane (PODS)-functionalized PDA-PEI film as efficient water-resistant sensor for ppb-level hexanal detection. Chemical Engineering Journal, 2020, 399, 125755.	12.7	22
107	Improved stability and efficiency of polymer-based selenium solar cells through the usage of tin(<scp>iv</scp>) oxide in the electron transport layers and the analysis of aging dynamics. Physical Chemistry Chemical Physics, 2020, 22, 14838-14845.	2.8	7
108	Recent Progress in Calix[n]quinone (n=4, 6) and Pillar[5]quinone Electrodes for Secondary Rechargeable Batteries. Batteries and Supercaps, 2020, 3, 476-487.	4.7	33

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109	Covalentâ€“Organic Frameworks: Advanced Organic Electrode Materials for Rechargeable Batteries. Advanced Energy Materials, 2020, 10, 1904199.	19.5	425
110	Nanostructured potassiumâ€“organic framework as an effective anode for potassium-ion batteries with a long cycle life. Nanoscale, 2020, 12, 7870-7874.	5.6	129
111	Rational Control of Charge Transfer Excitons Toward Highâ€Contrast Reversible Mechanoresponsive Luminescent Switching. Angewandte Chemie, 2020, 132, 17733-17739.	2.0	17
112	Ferrocene-Based Mixed-Valence Metalâ€“Organic Framework as an Efficient and Stable Cathode for Lithium-Ion-Based Dual-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 32719-32725.	8.0	87
113	Microbial Fuel Cells: Nanomaterials Based on Anode and Their Application. Energy Technology, 2020, 8, 2000206.	3.8	61
114	2D Metalâ€“Organic Frameworks (MOFs) for Highâ€Performance BatCap Hybrid Devices. Small, 2020, 16, e2001987.	10.0	166
115	Preparation of hierarchical hollow structures assembled from porous NiCo 2 O 4 nanosheets for diesel soot elimination. EcoMat, 2020, 2, e12041.	11.9	2
116	Hydrated Eutectic Electrolytes with Ligand-Oriented Solvation Shells for Long-Cycling Zinc-Organic Batteries. Joule, 2020, 4, 1557-1574.	24.0	429
117	Rational Control of Charge Transfer Excitons Toward Highâ€Contrast Reversible Mechanoresponsive Luminescent Switching. Angewandte Chemie - International Edition, 2020, 59, 17580-17586.	13.8	83
118	Hydrophilic engineering of VO_x-based nanosheets for ambient electrochemical ammonia synthesis at neutral pH. Journal of Materials Chemistry A, 2020, 8, 5913-5918.	10.3	35
119	Perylene Diimide Oligomer Nanoparticles with Ultrahigh Photothermal Conversion Efficiency for Cancer Theranostics. ACS Applied Bio Materials, 2020, 3, 1607-1615.	4.6	24
120	Organic Donorâ€Acceptor Cocrystals for Multiferroic Applications. Asian Journal of Organic Chemistry, 2020, 9, 1252-1261.	2.7	22
121	Twoâ€Photon Absorption of Butterflyâ€Shaped Carbonylâ€Bridged Twistarene. Asian Journal of Organic Chemistry, 2020, 9, 579-583.	2.7	3
122	Hierarchical Self-Assembly of Polyoxometalate-Based Organo Palladium(II) Metallomacrocycles via Electrostatic Interactions. Inorganic Chemistry, 2020, 59, 2458-2463.	4.0	10
123	Beyond Perovskite Solar Cells: Tellurium Iodide as a Promising Lightâ€Absorbing Material for Solutionâ€Processed Photovoltaic Application. Chemistry - an Asian Journal, 2020, 15, 1505-1509.	3.3	3
124	Recent progress in efficient organic two-photon dyes for fluorescence imaging and photodynamic therapy. Journal of Materials Chemistry C, 2020, 8, 6342-6349.	5.5	102
125	Porous Cobalt Metalâ€“Organic Frameworks as Active Elements in Batteryâ€“Supercapacitor Hybrid Devices. Inorganic Chemistry, 2020, 59, 6808-6814.	4.0	171
126	Recent Progress in High Linearly Fused Polycyclic Conjugated Hydrocarbons (PCHs, n > 6) with Wellâ€Defined Structures. Advanced Science, 2020, 7, 1903766.	11.2	80

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127	Recent progress in carbonyl-based organic polymers as promising electrode materials for lithium-ion batteries (LIBs). Journal of Materials Chemistry A, 2020, 8, 11906-11922.	10.3	134
128	Imideâ€Fused Diazatetracenes: Synthesis, Characterization, and Application in Perovskite Solar Cells. Chemistry - A European Journal, 2020, 26, 4220-4225.	3.3	4
129	From isolated Ti-oxo clusters to infinite Ti-oxo chains and sheets: recent advances in photoactive Ti-based MOFs. Journal of Materials Chemistry A, 2020, 8, 15245-15270.	10.3	209
130	Morphology regulation of metalâ€“organic framework-derived nanostructures for efficient oxygen evolution electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 18215-18219.	10.3	168
131	Recent progress in integrated functional electrochromic energy storage devices. Journal of Materials Chemistry C, 2020, 8, 15507-15525.	5.5	68
132	Polymeric Graphene Bulk Materials with a 3D Crossâ€Linked Monolithic Graphene Network. Advanced Materials, 2019, 31, e1802403.	21.0	74
133	Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications. Coordination Chemistry Reviews, 2019, 398, 213016.	18.8	414
134	Waterborne bio-based epoxy coatings for the corrosion protection of metallic substrates. Progress in Organic Coatings, 2019, 136, 105265.	3.9	27
135	Sulfur Position in Pyrene-Based PTTIs Plays a Key Role To Determine the Performance of Perovskite Solar Cells When PTTIs Were Employed as Electron Transport Layers. ACS Applied Energy Materials, 2019, 2, 5716-5723.	5.1	13
136	N,S-doped carbon dots as dual-functional modifiers to boost bio-electricity generation of individually-modified bacterial cells. Nano Energy, 2019, 63, 103875.	16.0	57
137	Enhancing Oxygen Evolution Reaction through Modulating Electronic Structure of Trimetallic Electrocatalysts Derived from Metalâ€“Organic Frameworks. Small, 2019, 15, e1901940.	10.0	163
138	Nanostructured Metalâ€“Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. Small, 2019, 15, e1903188.	10.0	57
139	Solvent-Free Synthesis and Hydrophobization of Biobased Epoxy Coatings for Anti-Icing and Anticorrosion Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 19131-19141.	6.7	41
140	Influences of Structural Modification of Naphthalenediimides with Benzothiazole on Organic Field-Effect Transistor and Non-Fullerene Perovskite Solar Cell Characteristics. ACS Applied Materials & Interfaces, 2019, 11, 44487-44500.	8.0	27
141	Costâ€Effective Biomass Carbon/Calix[4]Quinone Composites for Lithium Ion Batteries. Chemistry - an Asian Journal, 2019, 14, 4164-4168.	3.3	22
142	Preparation and In Vivo Antinociceptive Behavior of Four New 2â€Aminoâ€6â€trifuromethoxybenzothiazole Carboxylic Acid Derivatives. ChemistrySelect, 2019, 4, 9993-9998.	1.5	0
143	Highly Robust Organometallic Small-Molecule-Based Nonvolatile Resistive Memory Controlled by a Redox-Gated Switching Mechanism. ACS Applied Materials & Interfaces, 2019, 11, 40332-40338.	8.0	50
144	Photostimulusâ€Responsive Largeâ€Area Twoâ€Dimensional Covalent Organic Framework Films. Angewandte Chemie - International Edition, 2019, 58, 16101-16104.	13.8	141

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145	Photostimulusâ€Responsive Largeâ€Area Twoâ€Dimensional Covalent Organic Framework Films. Angewandte Chemie, 2019, 131, 16247-16250.	2.0	18
146	Two-dimensional lead-free halide perovskite materials and devices. Journal of Materials Chemistry A, 2019, 7, 23563-23576.	10.3	65
147	Pillar[5]quinoneâ€“Carbon Nanocomposites as High-Capacity Cathodes for Sodium-Ion Batteries. Chemistry of Materials, 2019, 31, 8069-8075.	6.7	95
148	Synthesis, characterization and photophysical studies of a novel polycyclic diborane. New Journal of Chemistry, 2019, 43, 564-568.	2.8	3
149	Recent progress in metalâ€“organic polymers as promising electrodes for lithium/sodium rechargeable batteries. Journal of Materials Chemistry A, 2019, 7, 4259-4290.	10.3	249
150	Effect of a fluoroalkyl-functional curing agent on the wettability, thermal and mechanical properties of hydrophobic biobased epoxy coatings. Surface and Coatings Technology, 2019, 362, 274-281.	4.8	10
151	Recent progress in ligand-centered homogeneous electrocatalysts for hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2019, 6, 343-354.	6.0	69
152	Recent Progress in Organic Electron Transport Materials in Inverted Perovskite Solar Cells. Small, 2019, 15, e1900854.	10.0	205
153	A Conjugated Copolymer of Nâ€Phenylâ€pâ€phenylenediamine and Pyrene as Promising Cathode for Rechargeable Lithiumâ€Ion Batteries. Chemistry - an Asian Journal, 2019, 14, 2210-2214.	3.3	18
154	Surfactants as promising media in the field of metal-organic frameworks. Coordination Chemistry Reviews, 2019, 391, 30-43.	18.8	296
155	In situ synthesis of a Fe₃S₄/MIL-53(Fe) hybrid catalyst for an efficient electrocatalytic hydrogen evolution reaction. Chemical Communications, 2019, 55, 4570-4573.	4.1	63
156	Ni- and/or Mn-based layered transition metal oxides as cathode materials for sodium ion batteries: status, challenges and countermeasures. Journal of Materials Chemistry A, 2019, 7, 10138-10158.	10.3	123
157	Recent Progress in Multivalent Metal (Mg, Zn, Ca, and Al) and Metalâ€Ion Rechargeable Batteries with Organic Materials as Promising Electrodes. Small, 2019, 15, e1805061.	10.0	320
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