Chengliang Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92 papers	7,432 citations	37 h-index	86 g-index
104 ext. papers	8,784 ext. citations	12.6 avg, IF	6.4 L-index

#	Paper	IF	Citations
92	Perspectives of ionic covalent organic frameworks for rechargeable batteries. *Coordination Chemistry Reviews*, **2022**, 458, 214431	23.2	3
91	Two-dimensional Organic Supramolecule via Hydrogen Bonding and π-π Stacking for Ultrahigh Capacity and Long-Life Aqueous Zinc-Organic Batteries.. *Angewandte Chemie - International Edition*, **2022**,	16.4	12
90	Challenges and Perspectives of Organic Multivalent Metal-ion Batteries.. *Advanced Materials*, **2022**, e2200662	27.4	2
89	Storing Mg Ions in Polymers: A Perspective.. *Macromolecular Rapid Communications*, **2022**, e2200198	4.8	1
88	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. *Angewandte Chemie - International Edition*, **2021**, 60, 10871-10879	16.4	35
87	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. *Angewandte Chemie*, **2021**, 133, 10966-10974	3.6	7
86	Conjugated Coordination Polymers as Electrodes for Rechargeable Batteries. *ACS Applied Electronic Materials*, **2021**, 3, 1947-1958	4	12
85	The chemical states of conjugated coordination polymers. *CheM*, **2021**, 7, 1224-1243	16.2	21
84	Successive Storage of Cations and Anions by Ligands of π-d-Conjugated Coordination Polymers Enabling Robust Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 18769-18776	16.4	12
83	Electrolyte additives: Adding the stability of lithium metal anodes. *Nano Select*, **2021**, 2, 16-36	3.1	9
82	Successive Storage of Cations and Anions by Ligands of π-d-Conjugated Coordination Polymers Enabling Robust Sodium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 18917-18924	3.6	1
81	2D Silicate Materials for Composite Polymer Electrolytes. *Chemistry - an Asian Journal*, **2021**, 16, 2842-2851	4.5	1
80	A branched dihydrophenazine-based polymer as a cathode material to achieve dual-ion batteries with high energy and power density. *EScience*, **2021**,		15
79	Emerging organic potassium-ion batteries: electrodes and electrolytes. *Journal of Materials Chemistry A*, **2020**, 8, 15547-15574	13	31
78	Redox polymers for rechargeable metal-ion batteries. *EnergyChem*, **2020**, 2, 100030	36.9	69
77	Synergistic effect of organic plasticizer and lepidolite filler on polymer electrolytes for all-solid high-voltage Li-metal batteries. *Journal of Materials Chemistry A*, **2020**, 8, 5968-5974	13	18
76	Weak Intermolecular Interactions for Strengthening Organic Batteries. *Energy and Environmental Materials*, **2020**, 3, 441-452	13	30

75	Toward Stable Lithium Plating/Stripping by Successive Desolvation and Exclusive Transport of Li Ions. *ACS Applied Materials & Interfaces*, **2020**, 12, 10461-10470	9.5	27
74	Small amount COFs enhancing storage of large anions. *Energy Storage Materials*, **2020**, 27, 35-42	19.4	38
73	Symmetry-Reduction Enhanced Polarization-Sensitive Photodetection in Core-Shell SbI /Sb O van der Waals Heterostructure. *Small*, **2020**, 16, e1907172	11	18
72	2D Materials as Ionic Sieves for Inhibiting the Shuttle Effect in Batteries. *Chemistry - an Asian Journal*, **2020**, 15, 2294-2302	4.5	13
71	Synchronous sulfurization and carbonization using sulfur-rich metal-organic frameworks for fast-charge sodium-ion batteries. *Journal of Power Sources*, **2020**, 478, 228778	8.9	3
70	Non-conjugated diketone as a linkage for enhancing the rate performance of poly(perylenediimides). *Journal of Materials Chemistry A*, **2020**, 8, 19283-19289	13	9
69	Branched conjugated polymers for fast capacitive storage of sodium ions. *Journal of Materials Chemistry A*, **2020**, 8, 23851-23856	13	11
68	Recent progress in organic electrodes for zinc-ion batteries. *Journal of Semiconductors*, **2020**, 41, 091704	2.3	12
67	Designing High Performance Organic Batteries. *Accounts of Chemical Research*, **2020**, 53, 2636-2647	24.3	67
66	Free-standing protective films for enhancing the cyclability of organic batteries. *Sustainable Energy and Fuels*, **2019**, 3, 142-147	5.8	10
65	An organic cathode with high capacities for fast-charge potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 486-492	13	106
64	Emerging in-plane anisotropic two-dimensional materials. *Informa□□Materi□y*, **2019**, 1, 54-73	23.1	175
63	Size control of zwitterionic polymer micro/nanospheres and its dependence on sodium storage. *Nanoscale Horizons*, **2019**, 4, 1092-1098	10.8	21
62	Capacitive conjugated ladder polymers for fast-charge and -discharge sodium-ion batteries and hybrid supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 20891-20898	13	33
61	A highly conductive conjugated coordination polymer for fast-charge sodium-ion batteries: reconsidering its structures. *Chemical Communications*, **2019**, 55, 10856-10859	5.8	36
60	A One-Dimensional □ Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. *Angewandte Chemie*, **2019**, 131, 14873-14881	3.6	25
59	A One-Dimensional □d Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. *Angewandte Chemie - International Edition*, **2019**, 58, 14731-14739	16.4	81
58	A 2D Layered Natural Ore as a Novel Solid-State Electrolyte. *ACS Applied Energy Materials*, **2019**, 2, 5909-5916	5.2	17

57	Carbonyl polymeric electrode materials for metal-ion batteries. *Chinese Chemical Letters*, **2018**, 29, 232-244	4.4	61
56	Organic semiconductor crystals. *Chemical Society Reviews*, **2018**, 47, 422-500	58.5	429
55	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). *Angewandte Chemie - International Edition*, **2018**, 57, 16072-16076	16.4	81
54	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). *Angewandte Chemie*, **2018**, 130, 16304-16308	3.6	11
53	Zooming in the Detailed Electrochemical Process of Disodium Rhodizonate. *Journal of Physical Chemistry C*, **2018**, 122, 21185-21191	3.8	10
52	Tailoring □Conjugated Systems: From □Stacking to High-Rate-Performance Organic Cathodes. *CheM*, **2018**, 4, 2600-2614	16.2	134
51	Large □Conjugated Porous Frameworks as Cathodes for Sodium-Ion Batteries. *Journal of Physical Chemistry Letters*, **2018**, 9, 3205-3211	6.4	48
50	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. *Nano Energy*, **2017**, 38, 304-312	17.1	70
49	Amorphous TiO2 inverse opal anode for high-rate sodium ion batteries. *Nano Energy*, **2017**, 31, 514-524	17.1	85
48	Recent progress in solid-state electrolytes for alkali-ion batteries. *Science Bulletin*, **2017**, 62, 1473-1490	10.6	51
47	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. *Nano Research*, **2017**, 10, 3189-3201	10	31
46	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. *Advanced Materials*, **2016**, 28, 9182-9187	24	59
45	Highly-Ordered 3D Vertical Resistive Switching Memory Arrays with Ultralow Power Consumption and Ultrahigh Density. *ACS Applied Materials & Interfaces*, **2016**, 8, 23348-55	9.5	17
44	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. *Advanced Energy Materials*, **2016**, 6, 1600448	21.8	40
43	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. *Advanced Energy Materials*, **2016**, 6, 1600468	21.8	46
42	Manipulation of Disodium Rhodizonate: Factors for Fast-Charge and Fast-Discharge Sodium-Ion Batteries with Long-Term Cyclability. *Advanced Functional Materials*, **2016**, 26, 1777-1786	15.6	117
41	Ultrathin annealing-free polymer layers: new opportunity to enhance mobility and stability of low-voltage thin-film organic transistors. *RSC Advances*, **2016**, 6, 51264-51269	3.7	1
40	Intertwined Cu3V2O7(OH)2□2H2O nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. *Journal of Power Sources*, **2015**, 294, 193-200	8.9	25

39	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. *Energy and Environmental Science*, **2015**, 8, 2954-2962	35.4	246
38	Facile Transferring of Wafer-Scale Ultrathin Alumina Membranes onto Substrates for Nanostructure Patterning. *ACS Nano*, **2015**, 9, 8584-91	16.7	35
37	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. *Angewandte Chemie - International Edition*, **2015**, 54, 8768-71	16.4	150
36	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. *Angewandte Chemie*, **2015**, 127, 8892-8895	3.6	21
35	Highly Ordered Three-Dimensional Ni-TiO2 Nanoarrays as Sodium Ion Battery Anodes. *Chemistry of Materials*, **2015**, 27, 4274-4280	9.6	124
34	Synchronous Formation of ZnO/ZnS Core/Shell Nanotube Arrays with Removal of Template for Meliorating Photoelectronic Performance. *Journal of Physical Chemistry C*, **2015**, 119, 1575-1582	3.8	20
33	Extended π-conjugated system for fast-charge and -discharge sodium-ion batteries. *Journal of the American Chemical Society*, **2015**, 137, 3124-30	16.4	275
32	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. *Advanced Materials*, **2014**, 26, 7654-9	24	89
31	Photoelectrodes based upon Mo:BiVO4 inverse opals for photoelectrochemical water splitting. *ACS Nano*, **2014**, 8, 7088-98	16.7	252
30	High performance supercapacitor for efficient energy storage under extreme environmental temperatures. *Nano Energy*, **2014**, 8, 231-237	17.1	118
29	Cost-effective atomic layer deposition synthesis of Pt nanotube arrays: application for high performance supercapacitor. *Small*, **2014**, 10, 3162-8	11	65
28	Vectorial diffusion for facile solution-processed self-assembly of insoluble semiconductors: a case study on metal phthalocyanines. *Chemistry - A European Journal*, **2014**, 20, 10990-5	4.8	7
27	Growth control of AgTCNQ nanowire arrays by using a template-assisted electro-deposition method. *Journal of Materials Chemistry C*, **2013**, 1, 8003	7.1	15
26	Organic/Polymeric Field-Effect Transistors **2013**, 95-170		3
25	P-N Junction Formation in Electron-beam Irradiated Graphene Step. *Materials Research Society Symposia Proceedings*, **2012**, 1407, 224		
24	Semiconducting π-conjugated systems in field-effect transistors: a material odyssey of organic electronics. *Chemical Reviews*, **2012**, 112, 2208-67	68.1	2738
23	Graphene/metal contacts: bistable states and novel memory devices. *Advanced Materials*, **2012**, 24, 2614-9	24	30
22	Super-linear rectifying property of rubrene single crystal devices. *Organic Electronics*, **2011**, 12, 1731-1735	3.5	4

21	A new pseudo rubrene analogue with excellent film forming ability. *Science China Chemistry*, **2011**, 54, 631-635	7.9	3
20	High-performance graphene devices on SiO2/Si substrate modified by highly ordered self-assembled monolayers. *Advanced Materials*, **2011**, 23, 2464-8	24	93
19	Single crystal n-channel field effect transistors from solution-processed silylethynylated tetraazapentacene. *Journal of Materials Chemistry*, **2011**, 21, 15201		46
18	Low-voltage organic field-effect transistors (OFETs) with solution-processed metal-oxide as gate dielectric. *ACS Applied Materials & Interfaces*, **2011**, 3, 4662-7	9.5	57
17	Manipulation of Graphene Properties by Interface Engineering. *ECS Transactions*, **2011**, 37, 133-139	1	1
16	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. *Applied Physics Letters*, **2010**, 97, 133301	3.4	57
15	High performance organic semiconductors for field-effect transistors. *Chemical Communications*, **2010**, 46, 5211-22	5.8	285
14	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. *Crystal Growth and Design*, **2010**, 10, 4155-4160	3.5	69
13	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. *Journal of Materials Chemistry*, **2010**, 20, 10931		24
12	Biphase micro/nanometer sized single crystals of organic semiconductors: Control synthesis and their strong phase dependent optoelectronic properties. *Applied Physics Letters*, **2010**, 96, 143302	3.4	44
11	Organic single crystals or crystalline micro/nanostructures: Preparation and field-effect transistor applications. *Science China Chemistry*, **2010**, 53, 1225-1234	7.9	6
10	Organic single crystal field-effect transistors based on 6H-pyrrolo[3,2-b:4,5-b]bis[1,4]benzothiazine and its derivatives. *Advanced Materials*, **2010**, 22, 2458-62	24	48
9	Dibenzo[b,d]thiophene based oligomers with carbon–carbon unsaturated bonds for high performance field-effect transistors. *Organic Electronics*, **2010**, 11, 544-551	3.5	19
8	Langmuir–Blogett monolayer transistors of copper phthalocyanine. *Applied Physics Letters*, **2009**, 95, 033304	3.4	21
7	Cruciforms: Assembling Single Crystal Micro- and Nanostructures from One to Three Dimensions and Their Applications in Organic Field-Effect Transistors. *Chemistry of Materials*, **2009**, 21, 2840-2845	9.6	89
6	Syntheses and properties of cyano and dicyanovinyl-substituted oligomers as organic semiconductors. *Synthetic Metals*, **2009**, 159, 1298-1301	3.6	14
5	New type of organic semiconductors for field-effect transistors with carbon-carbon triple bonds. *Journal of Materials Chemistry*, **2009**, 19, 1477		39
4	Syntheses of molecular wires containing redox center: Reversible redox property and good energy level matching with Au electrode. *Chinese Chemical Letters*, **2008**, 19, 1285-1289	8.1	6

List of Publications

3	Heterochelation boosts sodium storage in □d conjugated coordination polymers. *Energy and Environmental Science*,	35.4	4
2	Diradicals or Zwitterions: The Chemical States of m -Benzoquinone and Structural Variation after Storage of Li Ions. *CCS Chemistry*,2812-2825	7.2	3
1	Regulating the metal nodes of 1D conjugated coordination polymers for enhancing the performance of sodium-ion batteries. *Journal of Materials Chemistry C*,	7.1	5