Liubing Dong

List of Publications by Year
in descending order

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63	6,551	71061	114418
papers	citations	41	63
		h-index	g-index

64	64	64	6202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extremely safe, high-rate and ultralong-life zinc-ion hybrid supercapacitors. Energy Storage Materials, 2018, 13, 96-102.	9.5	568
2	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. Journal of Materials Chemistry A, 2016, 4, 4659-4685.	5.2	493
3	3D Porous Copper Skeleton Supported Zinc Anode toward High Capacity and Long Cycle Life Zinc Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 3364-3371.	3.2	387
4	Manganese Sesquioxide as Cathode Material for Multivalent Zinc Ion Battery with High Capacity and Long Cycle Life. Electrochimica Acta, 2017, 229, 422-428.	2.6	329
5	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. Journal of Materials Chemistry A, 2019, 7, 13810-13832.	5.2	312
6	Electrochemically induced spinel-layered phase transition of Mn3O4 in high performance neutral aqueous rechargeable zinc battery. Electrochimica Acta, 2018, 259, 170-178.	2.6	269
7	Multivalent ion storage towards high-performance aqueous zinc-ion hybrid supercapacitors. Energy Storage Materials, 2019, 20, 335-342.	9.5	221
8	Breathable and Wearable Energy Storage Based on Highly Flexible Paper Electrodes. Advanced Materials, 2016, 28, 9313-9319.	11.1	219
9	Flexible and conductive scaffold-stabilized zinc metal anodes for ultralong-life zinc-ion batteries and zinc-ion hybrid capacitors. Chemical Engineering Journal, 2020, 384, 123355.	6.6	188
10	Simultaneous Production of Highâ€Performance Flexible Textile Electrodes and Fiber Electrodes for Wearable Energy Storage. Advanced Materials, 2016, 28, 1675-1681.	11.1	186
11	Novel Insights into Energy Storage Mechanism of Aqueous Rechargeable Zn/MnO2 Batteries with Participation of Mn2+. Nano-Micro Letters, 2019, 11, 49.	14.4	166
12	One-Step Preparation of Long-Term Stable and Flexible CsPbBr₃ Perovskite Quantum Dots/Ethylene Vinyl Acetate Copolymer Composite Films for White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 15888-15894.	4.0	163
13	Investigation of zinc ion storage of transition metal oxides, sulfides, and borides in zinc ion battery systems. Chemical Communications, 2017, 53, 6872-6874.	2.2	147
14	Layered vanadium oxides with proton and zinc ion insertion for zinc ion batteries. Electrochimica Acta, 2019, 320, 134565.	2.6	143
15	High-Performance Aqueous Zinc-Ion Batteries Realized by MOF Materials. Nano-Micro Letters, 2020, 12, 152.	14.4	141
16	Highly stretchable, compressible and arbitrarily deformable all-hydrogel soft supercapacitors. Chemical Engineering Journal, 2020, 383, 123098.	6.6	133
17	3D Oxygenâ€Defective Potassium Vanadate/Carbon Nanoribbon Networks as Highâ€Performance Cathodes for Aqueous Zincâ€Ion Batteries. Small Methods, 2020, 4, 1900670.	4.6	124
18	Multi hierarchical construction-induced superior capacitive performances of flexible electrodes for wearable energy storage. Nano Energy, 2017, 34, 242-248.	8.2	122

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19	Towards High-Energy and Anti-Self-Discharge Zn-Ion Hybrid Supercapacitors with New Understanding of the Electrochemistry. Nano-Micro Letters, 2021, 13, 95.	14.4	115
20	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metalâ€“organic framework/reduced graphene oxide self-assembled papers. Journal of Materials Chemistry A, 2018, 6, 20254-20266.	5.2	110
21	High-Power and Ultralong-Life Aqueous Zinc-Ion Hybrid Capacitors Based on Pseudocapacitive Charge Storage. Nano-Micro Letters, 2019, 11, 94.	14.4	108
22	Simultaneously Regulating Uniform Zn2+ Flux and Electron Conduction by MOF/rGO Interlayers for High-Performance Zn Anodes. Nano-Micro Letters, 2021, 13, 73.	14.4	106
23	Enabling immobilization and conversion of polysulfides through a nitrogen-doped carbon nanotubes/ultrathin MoS₂ nanosheet coreâ€“shell architecture for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 13103-13112.	5.2	102
24	Flexible, all-hydrogel supercapacitor with self-healing ability. Chemical Engineering Journal, 2021, 418, 128616.	6.6	101
25	Stable Zinc Anodes Enabled by Zincophilic Cu Nanowire Networks. Nano-Micro Letters, 2022, 14, 39.	14.4	91
26	One-step synthesis of surface-enriched nickel cobalt sulfide nanoparticles on graphene for high-performance supercapacitors. Energy Storage Materials, 2017, 6, 180-187.	9.5	89
27	Hierarchical ZnO nanorod arrays grown on copper foam as an advanced three-dimensional skeleton for dendrite-free sodium metal anodes. Nano Energy, 2021, 80, 105563.	8.2	87
28	Stacking up layers of polyaniline/carbon nanotube networks inside papers as highly flexible electrodes with large areal capacitance and superior rate capability. Journal of Materials Chemistry A, 2017, 5, 19934-19942.	5.2	82
29	High-performance compressible supercapacitors based on functionally synergic multiscale carbon composite textiles. Journal of Materials Chemistry A, 2015, 3, 4729-4737.	5.2	81
30	Printable Zinc-Ion Hybrid Micro-Capacitors for Flexible Self-Powered Integrated Units. Nano-Micro Letters, 2021, 13, 19.	14.4	81
31	Enhanced Hydrogenation Performance over Hollow Structured Coâ€CoOx@Nâ€C Capsules. Advanced Science, 2019, 6, 1900807.	5.6	79
32	Preparation of continuous carbon nanotube networks in carbon fiber/epoxy composite. Composites Part A: Applied Science and Manufacturing, 2014, 56, 248-255.	3.8	73
33	Zinc-based energy storage with functionalized carbon nanotube/polyaniline nanocomposite cathodes. Chemical Engineering Journal, 2022, 427, 131799.	6.6	68
34	Polymorphous Supercapacitors Constructed from Flexible Three-Dimensional Carbon Network/Polyaniline/MnO₂ Composite Textiles. ACS Applied Materials & Interfaces, 2018, 10, 10851-10859.	4.0	65
35	High-performance zinc-ion batteries enabled by electrochemically induced transformation of vanadium oxide cathodes. Journal of Energy Chemistry, 2021, 60, 233-240.	7.1	65
36	Aerogel-structured MnO2 cathode assembled by defect-rich ultrathin nanosheets for zinc-ion batteries. Chemical Engineering Journal, 2022, 441, 136008.	6.6	57

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37	Unlocking Fewâ€Layered Ternary Chalcogenides for Highâ€Performance Potassiumâ€Ion Storage. Advanced Energy Materials, 2019, 9, 1901560.	10.2	53
38	Facile preparation of carbon nanotube aerogels with controlled hierarchical microstructures and versatile performance. Carbon, 2015, 90, 164-171.	5.4	51
39	Room-Temperature Synthesis of Two-Dimensional Hexagonal Boron Nitride Nanosheet-Stabilized CsPbBr₃ Perovskite Quantum Dots. ACS Applied Materials & Interfaces, 2019, 11, 8242-8249.	4.0	50
40	K₂Ti₂O₅@C Microspheres with Enhanced K⁺ Intercalation Pseudocapacitance Ensuring Fast Potassium Storage and Longâ€Term Cycling Stability. Small, 2020, 16, e1906131.	5.2	49
41	Self-assembly of 2D-metalâ€“organic framework/graphene oxide membranes as highly efficient adsorbents for the removal of Cs⁺ from aqueous solutions. RSC Advances, 2018, 8, 40813-40822.	1.7	48
42	A Nacreâ€Like Carbon Nanotube Sheet for High Performance Liâ€Polysulfide Batteries with High Sulfur Loading. Advanced Science, 2018, 5, 1800384.	5.6	39
43	Effective nondestructive evaluations on UHMWPE/Recycled-PA6 blends using FTIR imaging and dynamic mechanical analysis. Polymer Testing, 2017, 59, 371-376.	2.3	36
44	Layer-by-layer zinc metal anodes to achieve long-life zinc-ion batteries. Chemical Engineering Journal, 2022, 431, 133902.	6.6	32
45	Unraveling dynamical behaviors of zinc metal electrodes in aqueous electrolytes through an operando study. Energy Storage Materials, 2022, 46, 243-251.	9.5	31
46	A Hollow Spherical Carbon Derived from the Spray Drying of Corncob Lignin for Highâ€Rateâ€Performance Supercapacitors. Chemistry - an Asian Journal, 2017, 12, 503-506.	1.7	29
47	Few-layer Ti3C2T MXene delaminated via flash freezing for high-rate electrochemical capacitive energy storage. Journal of Energy Chemistry, 2020, 48, 233-240.	7.1	27
48	Stabilizing CsPbBr3 perovskite quantum dots on zirconium phosphate nanosheets through an ion exchange/surface adsorption strategy. Chemical Engineering Journal, 2020, 381, 122735.	6.6	26
49	Reversible aqueous zinc-ion battery based on ferric vanadate cathode. Chinese Chemical Letters, 2022, 33, 4628-4634.	4.8	25
50	Comprehensive approaches to three-dimensional flexible supercapacitor electrodes based on MnO2/carbon nanotube/activated carbon fiber felt. Journal of Materials Science, 2017, 52, 5788-5798.	1.7	24
51	MoS2 with high 1T phase content enables fast reversible zinc-ion storage via pseudocapacitance. Chemical Engineering Journal, 2022, 448, 137688.	6.6	24
52	High-performance supercapacitors based on graphene/MnO₂/activated carbon fiber felt composite electrodes in different neutral electrolytes. RSC Advances, 2016, 6, 12525-12529.	1.7	22
53	Effect of frozen conditions on dispersion morphologies of carbon nanotubes and electrical conductivity of carbon fiber/epoxy composites. Materials Letters, 2014, 130, 180-183.	1.3	17
54	Facile Preparation of Highâ€Performance Stretchable Fiberâ€Like Electrodes and Supercapacitors. ChemistrySelect, 2018, 3, 4179-4184.	0.7	16

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55	Binary and Ternary Manganese Dioxide Composites Cathode for Aqueous Zincâ€ion Battery. ChemistrySelect, 2018, 3, 12661-12665.	0.7	15
56	Comparison of drying methods for the preparation of carbon fiber felt/carbon nanotubes modified epoxy composites. Composites Part A: Applied Science and Manufacturing, 2013, 55, 74-82.	3.8	12
57	Combination effect of physical drying with chemical characteristic of carbon nanotubes on through-thickness properties of carbon fiber/epoxy composites. Journal of Materials Science, 2014, 49, 4979-4988.	1.7	12
58	Spatial dispersion state of carbon nanotubes in a freeze-drying method prepared carbon fiber based preform and its effect on electrical conductivity of carbon fiber/epoxy composite. Materials Letters, 2014, 130, 292-295.	1.3	11
59	Origin of storage capacity enhancement by replacing univalent ion with multivalent ion for energy storage. Electrochimica Acta, 2018, 282, 30-37.	2.6	11
60	Preparation of carbon nanotubes/epoxy composites using novel aerogel substrates. Materials Letters, 2015, 160, 432-435.	1.3	9
61	Freezeâ€drying method prepared <scp>UHMWPE/CNT</scp>s composites with optimized micromorphologies and improved tribological performance. Journal of Applied Polymer Science, 2015, 132, .	1.3	7
62	Submicroreactors: Enhanced Hydrogenation Performance over Hollow Structured Coâ€CoOx@Nâ€C Capsules (Adv. Sci. 22/2019). Advanced Science, 2019, 6, 1970135.	5.6	3
63	Microhoneycomb Monoliths Prepared by the Unidirectional Freeze-drying of Cellulose Nanofiber Based Sols: Method and Extensions. Journal of Visualized Experiments, 2018, , .	0.2	1