Yiju Li

List of Publications by Year
in descending order

110	17,143	21215 62	29333 108
papers	citations	h-index	g-index

110	110	110	18024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two Birds with One Stone: Interfacial Engineering of Multifunctional Janus Separator for Lithiumâ€“Sulfur Batteries. Advanced Materials, 2022, 34, e2107638.	11.1	91
2	Ruthenium-nickel-cobalt alloy nanoparticles embedded in hollow carbon microtubes as a bifunctional mosaic catalyst for overall water splitting. Journal of Colloid and Interface Science, 2022, 612, 710-721.	5.0	31
3	Wet spinning of fiber-shaped flexible Zn-ion batteries toward wearable energy storage. Journal of Energy Chemistry, 2022, 71, 192-200.	7.1	37
4	Engineering e_g Orbital Occupancy of Pt with Au Alloying Enables Reversible Liâ€“O₂ Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	46
5	Engineering e_g Orbital Occupancy of Pt with Au Alloying Enables Reversible Liâ€“O₂ Batteries. Angewandte Chemie, 2022, 134, .	1.6	11
6	Role of binary metal chalcogenides in extending the limits of energy storage systems: Challenges and possible solutions. Science China Materials, 2022, 65, 559-592.	3.5	8
7	In Situ Formed Edge-Rich Ni₃S₂-NiOOH Heterojunctions for Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2022, 169, 054532.	1.3	15
8	Liâ€“N Interaction Induced Deep Eutectic Gel Polymer Electrolyte for High Performance Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	45
9	Breathâ€Figure Selfâ€Assembled Lowâ€Cost Janus Fabrics for Highly Efficient and Stable Solar Desalination. Advanced Functional Materials, 2022, 32, .	7.8	80
10	Visualization of battery materials and their interfaces/interphases using cryogenic electron microscopy. Materials Today, 2022, 58, 238-274.	8.3	17
11	Material design and structure optimization for rechargeable lithium-sulfur batteries. Matter, 2021, 4, 1142-1188.	5.0	116
12	Partially reduced Pd single atoms on CdS nanorods enable photocatalytic reforming of ethanol into high value-added multicarbon compound. CheM, 2021, 7, 1033-1049.	5.8	55
13	Cesium Lead Bromide Perovskite-Based Lithiumâ€“Oxygen Batteries. Nano Letters, 2021, 21, 4861-4867.	4.5	39
14	Nanocellulose and Its Derivatives toward Advanced Lithium Sulfur Batteries. , 2021, 3, 1130-1142.		13
15	A mechanistic study of electrode materials for rechargeable batteries beyond lithium ions byin situtransmission electron microscopy. Energy and Environmental Science, 2021, 14, 2670-2707.	15.6	42
16	Lewisâ€Acidic PtIr Multipods Enable Highâ€Performance Liâ€“O₂ Batteries. Angewandte Chemie - International Edition, 2021, 60, 26592-26598.	7.2	72
17	Lewisâ€Acidic PtIr Multipods Enable Highâ€Performance Liâ€“O₂ Batteries. Angewandte Chemie, 2021, 133, 26796-26802.	1.6	6
18	Atomically Dispersed Coâ€“P₃ on CdS Nanorods with Electronâ€Rich Feature Boosts Photocatalysis. Advanced Materials, 2020, 32, e1904249.	11.1	105

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19	SnSe2 nanocrystals coupled with hierarchical porous carbon microspheres for long-life sodium ion battery anode. Science China Materials, 2020, 63, 483-491.	3.5	30
20	Metal Single Atom Strategy Greatly Boosts Photocatalytic Methyl Activation and Câ€“C Coupling for the Coproduction of High-Value-Added Multicarbon Compounds and Hydrogen. ACS Catalysis, 2020, 10, 9109-9114.	5.5	47
21	A Freestanding Flexible Singleâ€Atom Cobaltâ€Based Multifunctional Interlayer toward Reversible and Durable Lithiumâ€Sulfur Batteries. Small Methods, 2020, 4, 1900701.	4.6	123
22	Nickel cobalt oxide nanowiresâ€modified hollow carbon tubular bundles for highâ€performance sodiumâ€ion hybrid capacitors. International Journal of Energy Research, 2020, 44, 3883-3892.	2.2	11
23	Single Atom Array Mimic on Ultrathin MOF Nanosheets Boosts the Safety and Life of Lithiumâ€“Sulfur Batteries. Advanced Materials, 2020, 32, e1906722.	11.1	205
24	Polyaniline coated 3D crosslinked carbon nanosheets for high-energy-density supercapacitors. Applied Surface Science, 2019, 493, 506-513.	3.1	21
25	Enhanced Cathode and Anode Compatibility for Boosting Both Energy and Power Densities of Na/K-Ion Hybrid Capacitors. Matter, 2019, 1, 893-910.	5.0	65
26	Noble metal-based 1D and 2D electrocatalytic nanomaterials: Recent progress, challenges and perspectives. Nano Today, 2019, 28, 100774.	6.2	81
27	MXene/Si@SiO_x@C Layer-by-Layer Superstructure with Autoadjustable Function for Superior Stable Lithium Storage. ACS Nano, 2019, 13, 2167-2175.	7.3	154
28	Compact self-standing layered film assembled by V2O5Â·nH2O/CNTs 2D/1D composites for high volumetric capacitance flexible supercapacitors. Science China Materials, 2019, 62, 936-946.	3.5	19
29	Natureâ€Inspired Triâ€Pathway Design Enabling Highâ€Performance Flexible Liâ€“O₂ Batteries. Advanced Energy Materials, 2019, 9, 1802964.	10.2	121
30	A highly efficient and durable water splitting system: platinum sub-nanocluster functionalized nickelâ€“iron layered double hydroxide as the cathode and hierarchical nickelâ€“iron selenide as the anode. Journal of Materials Chemistry A, 2019, 7, 2831-2837.	5.2	65
31	Advanced Multifunctional Electrocatalysts for Energy Conversion. ACS Energy Letters, 2019, 4, 1672-1680.	8.8	78
32	Selectively aligned cellulose nanofibers towards high-performance soft actuators. Extreme Mechanics Letters, 2019, 29, 100463.	2.0	65
33	Hierarchical copper cobalt sulfides nanowire arrays for high-performance asymmetric supercapacitors. Applied Surface Science, 2019, 487, 198-205.	3.1	50
34	Hierarchical Edge-Rich Nickel Phosphide Nanosheet Arrays as Efficient Electrocatalysts toward Hydrogen Evolution in Both Alkaline and Acidic Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 7804-7811.	3.2	48
35	Coupled and decoupled hierarchical carbon nanomaterials toward high-energy-density quasi-solid-state Na-Ion hybrid energy storage devices. Energy Storage Materials, 2019, 23, 530-538.	9.5	32
36	Millisecond synthesis of CoS nanoparticles for highly efficient overall water splitting. Nano Research, 2019, 12, 2259-2267.	5.8	85

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37	In Situ Growth of Metalâ€“Organic Frameworks in Three-Dimensional Aligned Lumen Arrays of Wood for Rapid and Highly Efficient Organic Pollutant Removal. Environmental Science & Technology, 2019, 53, 2705-2712.	4.6	157
38	Architecting a Floatable, Durable, and Scalable Steam Generator: Hydrophobic/Hydrophilic Bifunctional Structure for Solar Evaporation Enhancement. Small Methods, 2019, 3, 1800176.	4.6	97
39	3D Printing of Tunable Energy Storage Devices with Both High Areal and Volumetric Energy Densities. Advanced Energy Materials, 2019, 9, 1802578.	10.2	132
40	Co-doped 1T-MoS2 nanosheets embedded in N, S-doped carbon nanobowls for high-rate and ultra-stable sodium-ion batteries. Nano Research, 2019, 12, 2218-2223.	5.8	88
41	One-Step, Catalyst-Free, Scalable in Situ Synthesis of Single-Crystal Aluminum Nanowires in Confined Graphene Space. ACS Applied Materials & Interfaces, 2019, 11, 6009-6014.	4.0	7
42	Nanomanufacturing of graphene nanosheets through nano-hole opening and closing. Materials Today, 2019, 24, 26-32.	8.3	48
43	Scalable and Sustainable Approach toward Highly Compressible, Anisotropic, Lamellar Carbon Sponge. CheM, 2018, 4, 544-554.	5.8	246
44	A double-chamber energy storage device with dual ionic electrolyte enabling high energy density. Electrochimica Acta, 2018, 274, 31-39.	2.6	8
45	Thermoelectric properties and performance of flexible reduced graphene oxide films up to 3,000 K. Nature Energy, 2018, 3, 148-156.	19.8	96
46	Extrusionâ€Based 3D Printing of Hierarchically Porous Advanced Battery Electrodes. Advanced Materials, 2018, 30, e1705651.	11.1	241
47	Processing bulk natural wood into a high-performance structural material. Nature, 2018, 554, 224-228.	13.7	970
48	Highly Compressible, Anisotropic Aerogel with Aligned Cellulose Nanofibers. ACS Nano, 2018, 12, 140-147.	7.3	364
49	Carbon- and Binder-Free Coreâ€“Shell Nanowire Arrays for Efficient Ethanol Electro-Oxidation in Alkaline Medium. ACS Applied Materials & Interfaces, 2018, 10, 4705-4714.	4.0	46
50	Plasmonic Wood for Highâ€Efficiency Solar Steam Generation. Advanced Energy Materials, 2018, 8, 1701028.	10.2	701
51	Hierarchically Porous, Ultrathick, â€œBreathableâ€•Woodâ€Derived Cathode for Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2018, 8, 1701203.	10.2	161
52	Lightweight, Mesoporous, and Highly Absorptive All-Nanofiber Aerogel for Efficient Solar Steam Generation. ACS Applied Materials & Interfaces, 2018, 10, 1104-1112.	4.0	327
53	Woodâ€Based Nanotechnologies toward Sustainability. Advanced Materials, 2018, 30, 1703453.	11.1	359
54	Highâ€Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. Advanced Energy Materials, 2018, 8, 1701616.	10.2	255

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55	Textile Inspired Lithiumâ€“Oxygen Battery Cathode with Decoupled Oxygen and Electrolyte Pathways. Advanced Materials, 2018, 30, 1704907.	11.1	92
56	Polyaniline-modified porous carbon tube bundles composite for high-performance asymmetric supercapacitors. Electrochimica Acta, 2018, 292, 458-467.	2.6	43
57	Conductive Cellulose Nanofiber Enabled Thick Electrode for Compact and Flexible Energy Storage Devices. Advanced Energy Materials, 2018, 8, 1802398.	10.2	163
58	Three-Dimensional, Solid-State Mixed Electronâ€“Ion Conductive Framework for Lithium Metal Anode. Nano Letters, 2018, 18, 3926-3933.	4.5	175
59	High-performance asymmetric supercapacitor assembled with three-dimensional, coadjacent graphene-like carbon nanosheets and its composite. Journal of Electroanalytical Chemistry, 2018, 823, 474-481.	1.9	18
60	All-in-One Compact Architecture toward Wearable All-Solid-State, High-Volumetric-Energy-Density Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 23834-23841.	4.0	25
61	In Situ â€œChainmail Catalystâ€•Assembly in Lowâ€Tortuosity, Hierarchical Carbon Frameworks for Efficient and Stable Hydrogen Generation. Advanced Energy Materials, 2018, 8, 1801289.	10.2	79
62	Highâ€Temperature Atomic Mixing toward Wellâ€Dispersed Bimetallic Electrocatalysts. Advanced Energy Materials, 2018, 8, 1800466.	10.2	43
63	3D Wettable Framework for Dendriteâ€Free Alkali Metal Anodes. Advanced Energy Materials, 2018, 8, 1800635.	10.2	196
64	Self N-Doped Porous Interconnected Carbon Nanosheets Material for Supercapacitors. Acta Chimica Sinica, 2018, 76, 107.	0.5	22
65	All-wood, low tortuosity, aqueous, biodegradable supercapacitors with ultra-high capacitance. Energy and Environmental Science, 2017, 10, 538-545.	15.6	602
66	In Situ, Fast, Highâ€Temperature Synthesis of Nickel Nanoparticles in Reduced Graphene Oxide Matrix. Advanced Energy Materials, 2017, 7, 1601783.	10.2	27
67	A carbon-based 3D current collector with surface protection for Li metal anode. Nano Research, 2017, 10, 1356-1365.	5.8	200
68	Granadilla-Inspired Structure Design for Conversion/Alloy-Reaction Electrode with Integrated Lithium Storage Behaviors. ACS Applied Materials & Interfaces, 2017, 9, 15470-15476.	4.0	11
69	Reducing Interfacial Resistance between Garnetâ€Structured Solidâ€State Electrolyte and Liâ€Metal Anode by a Germanium Layer. Advanced Materials, 2017, 29, 1606042.	11.1	512
70	Scalable, anisotropic transparent paper directly from wood for light management in solar cells. Nano Energy, 2017, 36, 366-373.	8.2	117
71	Enabling High-Areal-Capacity Lithiumâ€“Sulfur Batteries: Designing Anisotropic and Low-Tortuosity Porous Architectures. ACS Nano, 2017, 11, 4801-4807.	7.3	151
72	Three-dimensional bilayer garnet solid electrolyte based high energy density lithium metalâ€“sulfur batteries. Energy and Environmental Science, 2017, 10, 1568-1575.	15.6	499

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73	Highly Conductive, Lightweight, Lowâ€Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. Advanced Energy Materials, 2017, 7, 1700595.	10.2	210
74	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. Nano Letters, 2017, 17, 3792-3797.	4.5	243
75	3Dâ€Printed, Allâ€inâ€One Evaporator for Highâ€Efficiency Solar Steam Generation under 1 Sun Illumination. Advanced Materials, 2017, 29, 1700981.	11.1	511
76	Highly Flexible and Efficient Solar Steam Generation Device. Advanced Materials, 2017, 29, 1701756.	11.1	584
77	High-capacity, low-tortuosity, and channel-guided lithium metal anode. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3584-3589.	3.3	412
78	Conformal, Nanoscale ZnO Surface Modification of Garnet-Based Solid-State Electrolyte for Lithium Metal Anodes. Nano Letters, 2017, 17, 565-571.	4.5	556
79	Three-Dimensional Printed Thermal Regulation Textiles. ACS Nano, 2017, 11, 11513-11520.	7.3	261
80	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. Journal of Materials Chemistry A, 2017, 5, 23085-23093.	5.2	158
81	Treeâ€Inspired Design for Highâ€Efficiency Water Extraction. Advanced Materials, 2017, 29, 1704107.	11.1	494
82	Stabilizing the Garnet Solid-Electrolyte/Polysulfide Interface in Liâ€“S Batteries. Chemistry of Materials, 2017, 29, 8037-8041.	3.2	73
83	3Dâ€Printed Allâ€Fiber Liâ€Ion Battery toward Wearable Energy Storage. Advanced Functional Materials, 2017, 27, 1703140.	7.8	270
84	Graphene oxide-based evaporator with one-dimensional water transport enabling high-efficiency solar desalination. Nano Energy, 2017, 41, 201-209.	8.2	316
85	K2.25Ni0.55Co0.37Fe(CN)6 nanoparticle connected by cross-linked carbon nanotubes conductive skeletons for high-performance energy storage. Chemical Engineering Journal, 2017, 328, 834-843.	6.6	34
86	Universal, In Situ Transformation of Bulky Compounds into Nanoscale Catalysts by High-Temperature Pulse. Nano Letters, 2017, 17, 5817-5822.	4.5	29
87	Economical, facile synthesis of network-like carbon nanosheets and their use as an enhanced electrode material for sensitive detection of ascorbic acid. RSC Advances, 2017, 7, 32020-32026.	1.7	5
88	Rich Mesostructures Derived from Natural Woods for Solar Steam Generation. Joule, 2017, 1, 588-599.	11.7	363
89	Superflexible Wood. ACS Applied Materials & Interfaces, 2017, 9, 23520-23527.	4.0	141
90	FeOOH electrodeposited on Ag decorated ZnO nanorods for electrochemical energy storage. RSC Advances, 2016, 6, 39166-39171.	1.7	16

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91	Reduced Graphene Oxide Films with Ultrahigh Conductivity as Li-Ion Battery Current Collectors. Nano Letters, 2016, 16, 3616-3623.	4.5	187
92	Synthesis of Hierarchically Porous Sandwichâ€Like Carbon Materials for Highâ€Performance Supercapacitors. Chemistry - A European Journal, 2016, 22, 16863-16871.	1.7	38
93	Rapid, in Situ Synthesis of High Capacity Battery Anodes through High Temperature Radiation-Based Thermal Shock. Nano Letters, 2016, 16, 5553-5558.	4.5	67
94	Flexible, solid-state, ion-conducting membrane with 3D garnet nanofiber networks for lithium batteries. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7094-7099.	3.3	769
95	Nitrogen and sulfur co-doped porous carbon nanosheets derived from willow catkin for supercapacitors. Nano Energy, 2016, 19, 165-175.	8.2	1,088
96	Synthesis of honeycomb-like NiS 2 /NiO nano-multiple materials for high performance supercapacitors. Electrochimica Acta, 2015, 173, 209-214.	2.6	42
97	Hydrothermal deposition of manganese dioxide nanosheets on electrodeposited graphene covered nickel foam as a high-performance electrode for supercapacitors. Journal of Power Sources, 2015, 279, 138-145.	4.0	60
98	A novel asymmetric supercapacitor with buds-like Co(OH)2 used as cathode materials and activated carbon as anode materials. Journal of Electroanalytical Chemistry, 2015, 741, 93-99.	1.9	44
99	Co@MWNTs-Plastic: A novel electrode for NaBH4 oxidation. Electrochimica Acta, 2015, 156, 102-107.	2.6	23
100	Methanol electrooxidation on flexible multi-walled carbon nanotube-modified sponge-based nickel electrode. Journal of Solid State Electrochemistry, 2015, 19, 3027-3034.	1.2	13
101	Fabrication of manganese dioxide nanoplates anchoring on biomass-derived cross-linked carbon nanosheets for high-performance asymmetric supercapacitors. Journal of Power Sources, 2015, 300, 309-317.	4.0	129
102	PPy wrapped MnO2@C/TiO2 nanowire arrays for electrochemical energy storage. Electrochimica Acta, 2015, 182, 1153-1158.	2.6	19
103	Reduced graphene oxide decorated on MnO2 nanoflakes grown on C/TiO2 nanowire arrays for electrochemical energy storage. RSC Advances, 2015, 5, 87521-87527.	1.7	7
104	Electrodeposition of nickel sulfide on graphene-covered make-up cotton as a flexible electrode material for high-performance supercapacitors. Journal of Power Sources, 2015, 274, 943-950.	4.0	133
105	Nitrogen-doped graphene oxide/cupric oxide as an anode material for lithium ion batteries. RSC Advances, 2014, 4, 64756-64762.	1.7	20
106	Asymmetric supercapacitors based on Î²-Ni(OH)2 nanosheets andÂactivated carbon with high energy density. Journal of Power Sources, 2014, 246, 371-376.	4.0	268
107	Facile preparation of three-dimensional multilayer porous MnO2/reduced graphene oxide composite and its supercapacitive performance. Journal of Power Sources, 2014, 271, 582-588.	4.0	57
108	Anchoring CuO nanoparticles on nitrogen-doped reduced graphene oxide nanosheets as electrode material for supercapacitors. Journal of Electroanalytical Chemistry, 2014, 727, 154-162.	1.9	80

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109	Facile preparation of transition metal oxideâ€“metal composites with unique nanostructures and their electrochemical performance as energy storage material. Journal of Materials Chemistry A, 2013, 1, 14246.	5.2	16
110	Liâ€“N Interaction Induced Deep Eutectic Gel Polymer Electrolyte for High Performance Lithiumâ€Metal Batteries. Angewandte Chemie, 0, , .	1.6	0