

Yunyong Li

List of Publications by Year in descending order

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62
papers

3,260
citations

172207

29
h-index

149479

56
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all docs

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docs citations

62
times ranked

5010
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Formation of Ultrahigh Surface Area and Three-Dimensional Hierarchical Porous Graphene-Like Networks for Fast and Highly Stable Supercapacitors. <i>Advanced Materials</i> , 2013, 25, 2474-2480.	11.1	668
2	Electronic modulation of cobalt phosphide nanosheet arrays via copper doping for highly efficient neutral-pH overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118555.	10.8	172
3	Polymeric Bionanocomposite Cast Thin Films with In Situ Laccase-Catalyzed Polymerization of Dopamine for Biosensing and Biofuel Cell Applications. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5016-5024.	1.2	136
4	One-step synthesis of Ni ₃ S ₂ nanoparticles wrapped with in situ generated nitrogen-self-doped graphene sheets with highly improved electrochemical properties in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3142.	5.2	130
5	Ultrahigh-Volumetric-Energy-Density Lithium-Sulfur Batteries with Lean Electrolyte Enabled by Cobalt-Doped MoSe ₂ /Ti ₃ C ₂ MXene Bifunctional Catalyst. <i>ACS Nano</i> , 2021, 15, 11619-11633.	7.3	115
6	One-step synthesis of boron and nitrogen-dual-self-doped graphene sheets as non-metal catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14700.	5.2	107
7	An extremely stable MnO ₂ anode incorporated with 3D porous graphene-like networks for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3163.	5.2	91
8	Nitrogen-Doped Carbon-Encapsulated SnO ₂ @Sn Nanoparticles Uniformly Grafted on Three-Dimensional Graphene-like Networks as Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 197-207.	4.0	84
9	Hydrothermal growth of SnS ₂ hollow spheres and their electrochemical properties. <i>CrystEngComm</i> , 2012, 14, 4279.	1.3	83
10	Oxygen Vacancy and Core-Shell Heterojunction Engineering of Anemone-Like CoP@CoOOH Bifunctional Electrocatalyst for Efficient Overall Water Splitting. <i>Small</i> , 2022, 18, e2106012.	5.2	82
11	Ultrasmall metal oxide nanoparticles anchored on three-dimensional hierarchical porous graphene-like networks as anode for high-performance lithium ion batteries. <i>Nano Energy</i> , 2015, 13, 563-572.	8.2	78
12	Callistemon-like Zn and S codoped CoP nanorod clusters as highly efficient electrocatalysts for neutral-pH overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22453-22462.	5.2	76
13	Ultrahigh and Durable Volumetric Lithium/Sodium Storage Enabled by a Highly Dense Graphene-Encapsulated Nitrogen-Doped Carbon@Sn Compact Monolith. <i>Nano Letters</i> , 2020, 20, 2034-2046.	4.5	74
14	Chestnut-like copper cobalt phosphide catalyst for all-pH hydrogen evolution reaction and alkaline water electrolysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14271-14279.	5.2	67
15	Conductive 1T-VS ₂ ~MXene heterostructured bidirectional electrocatalyst enabling compact Li-S batteries with high volumetric and areal capacity. <i>Energy Storage Materials</i> , 2022, 49, 153-163.	9.5	59
16	Square wave voltammetric determination of Hg(II) using thiol functionalized chitosan-multiwalled carbon nanotubes nanocomposite film electrode. <i>Mikrochimica Acta</i> , 2010, 169, 367-373.	2.5	57
17	Immobilization of enzymes at high load/activity by aqueous electrodeposition of enzyme-tethered chitosan for highly sensitive amperometric biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2644-2650.	5.3	51
18	Sulfur-infiltrated three-dimensional graphene-like material with hierarchical pores for highly stable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4528-4533.	5.2	51

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19	Highly sensitive phenolic biosensor based on magnetic polydopamine-laccase-Fe ₃ O ₄ bionanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 46-53.	4.0	49
20	Transparent and Self-Supporting Graphene Films with Wrinkled- Graphene-Wall-Assembled Opening Polyhedron Building Blocks for High Performance Flexible/Transparent Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9763-9771.	4.0	48
21	Integrating Dually Encapsulated Si Architecture and Dense Structural Engineering for Ultrahigh Volumetric and Areal Capacity of Lithium Storage. <i>ACS Nano</i> , 2022, 16, 4642-4653.	7.3	48
22	Targeted graphene oxide for drug delivery as a therapeutic nanoplatform against Parkinson's disease. <i>Biomaterials Science</i> , 2021, 9, 1705-1715.	2.6	46
23	SiO ₂ @SnO ₂ /graphene composite with a coating and hierarchical structure as high performance anode material for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2016, 677, 237-244.	2.8	39
24	Ru/Rh Cation Doping and Oxygen Vacancy Engineering of FeOOH Nanoarrays@Ti ₃ C ₂ TX MXene Heterojunction for Highly Efficient and Stable Electrocatalytic Oxygen Evolution. <i>Small</i> , 2022, 18, e2200173.	5.2	39
25	Facile low-temperature synthesis of hematite quantum dots anchored on a three-dimensional ultra-porous graphene-like framework as advanced anode materials for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11247-11255.	5.2	35
26	Highly stable electrocatalysts supported on nitrogen-self-doped three-dimensional graphene-like networks with hierarchical porous structures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1492-1497.	5.2	34
27	Bimetallic PtAg alloyed nanoparticles and 3-D mesoporous graphene nanosheet hybrid architectures for advanced oxygen reduction reaction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23158-23169.	5.2	34
28	Enhancement of thermal conductivity in water-based nanofluids employing TiO ₂ /reduced graphene oxide composites. <i>Journal of Materials Science</i> , 2016, 51, 10104-10115.	1.7	33
29	Structural design of Ge-based anodes with chemical bonding for high-performance Na-ion batteries. <i>Energy Storage Materials</i> , 2019, 20, 380-387.	9.5	33
30	Yolk-shell structured CuSi ₂ P ₃ @Graphene nanocomposite anode for long-life and high-rate lithium-ion batteries. <i>Nano Energy</i> , 2021, 80, 105506.	8.2	33
31	Layered GeP-black P(Ge ₂ P ₃): An advanced binary-phase anode for Li/Na-storage. <i>Ceramics International</i> , 2019, 45, 15711-15714.	2.3	32
32	High volumetric energy density Li-S batteries enabled by dense sulfur monolith cathodes with ultra-small-sized sulfur immobilizers. <i>Chemical Engineering Journal</i> , 2020, 401, 126076.	6.6	32
33	Improvement in capacity retention of cathode material for high power density lithium ion batteries: The route of surface coating. <i>Applied Energy</i> , 2017, 194, 540-548.	5.1	30
34	ABTS-Multiwalled Carbon Nanotubes Nanocomposite/Bi Film Electrode for Sensitive Determination of Cd and Pb by Differential Pulse Stripping Voltammetry. <i>Electroanalysis</i> , 2009, 21, 2477-2485.	1.5	29
35	Synthesis of hierarchically flower-like FeWO ₄ as high performance anode materials for Li-ion batteries by a simple hydrothermal process. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16081-16087.	3.8	29
36	Core-shell structure carbon coated ferric oxide (Fe ₂ O ₃ @C) nanoparticles for supercapacitors with superior electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2015, 639, 422-427.	2.8	29

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37	Electrochemical performance of Li ₄ Ti ₅ O ₁₂ /carbon nanotubes/graphene composite as an anode material in lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7195-7201.	3.8	29
38	Green, Template-Less Synthesis of Honeycomb-like Porous Micron-Sized Red Phosphorus for High-Performance Lithium Storage. <i>ACS Nano</i> , 2021, 15, 1880-1892.	7.3	29
39	Hierarchical cobalt phosphide hollow nanoboxes as high performance bifunctional electrocatalysts for overall water splitting. <i>Materials Today Energy</i> , 2019, 12, 443-452.	2.5	28
40	Pseudocapacitive Transparent/Flexible Supercapacitor based on Graphene wrapped Ni(OH) ₂ Nanosheet Transparent Film Produced using Scalable Bio-inspired Methods. <i>Electrochimica Acta</i> , 2016, 219, 61-69.	2.6	26
41	General Strategy To Synthesize Highly Dense Metal Oxide Quantum Dots-Anchored Nitrogen-Rich Graphene Compact Monoliths To Enable Fast and High-Stability Volumetric Lithium/Sodium Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 3500-3512.	2.5	26
42	Synthesis and characterization of calcium and iron co-doped lanthanum silicate oxyapatites by sol-gel process for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2015, 293, 806-814.	4.0	23
43	Novel graphene-like nanosheet supported highly active electrocatalysts with ultralow Pt loadings for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16898-16904.	5.2	21
44	NaCl multistage-recrystallization-induced formation of 3D micro-structured ribbon-like graphene based films for high performance flexible/transparent supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14595-14603.	5.2	21
45	Electrospun prussian blue analogue derived NiCo@N-doped carbon nanofibers as efficient and highly stable electrocatalysts for neutral overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8871-8884.	3.8	20
46	Facile fabrication of graphene/nickel oxide composite with superior supercapacitance performance by using alcohols-reduced graphene as substrate. <i>Journal of Alloys and Compounds</i> , 2015, 644, 165-171.	2.8	19
47	Microwave-assisted in situ synthesis of reduced graphene oxide/Mn ₃ O ₄ composites for supercapacitor applications. <i>RSC Advances</i> , 2015, 5, 45061-45067.	1.7	18
48	Synthesis of Fe ₂ O ₃ @Ni(OH) ₂ /graphene nanocomposite by one-step hydrothermal method for high-performance supercapacitor. <i>Journal of Materials Science</i> , 2016, 51, 2877-2885.	1.7	18
49	Towards fast and ultralong-life Li-ion battery anodes: embedding ultradispersed TiO ₂ quantum dots into three-dimensional porous graphene-like networks. <i>Electrochimica Acta</i> , 2017, 246, 1183-1192.	2.6	18
50	Ternary Cu ₂ P ₇ /Cu ₂ P/C composite: A high-performance multi-phase anode material for Li/Na-ion batteries endowed by heterointerfaces. <i>Journal of Alloys and Compounds</i> , 2019, 803, 804-811.	2.8	18
51	Novel Cu(Zn)@Ge@P compounds as advanced anode materials for Li-ion batteries. <i>Energy and Environmental Science</i> , 2021, 14, 2394-2407.	15.6	17
52	Enhanced performance of dye-sensitized solar cells based on TiO ₂ /MnTiO ₃ /MgTiO ₃ composite photoanode. <i>Journal of Alloys and Compounds</i> , 2016, 657, 53-58.	2.8	16
53	Ultrasmall Fe ₂ O ₃ Nanoparticles Anchored on Three-Dimensional Hierarchical Porous Graphene-like Networks for High Rate Capability Supercapacitors. <i>ChemElectroChem</i> , 2016, 3, 1820-1826.	1.7	15
54	Electropolymerization of catecholamines after laccase-catalyzed preoxidation to efficiently immobilize glucose oxidase for sensitive amperometric biosensing. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 30-38.	4.0	12

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55	Enhanced capability and cyclability of flexible TiO ₂ -reduced graphene oxide hybrid paper electrode by incorporating monodisperse anatase TiO ₂ quantum dots. <i>Electrochimica Acta</i> , 2018, 259, 474-484.	2.6	12
56	Honeycomb-like biomass carbon with planted CoNi ₃ alloys to form hierarchical composites for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2602-2612.	5.0	12
57	Universal low-temperature and template-free synthesis of sponge-like porous micron-sized elemental materials for high-performance lithium/potassium storage. <i>Nano Energy</i> , 2022, 95, 106981.	8.2	11
58	Cu ₂ P ₇ -black P-MWCNTs (CuP ₅ /MWCNTs): An advanced hybrid anode for Li/Na-ion batteries. <i>Materials Letters</i> , 2019, 253, 263-267.	1.3	6
59	Fabricating ultrathick, dense electrodes for compact rechargeable batteries with ultrahigh areal and volumetric capacity. <i>Journal of Power Sources</i> , 2022, 523, 231046.	4.0	6
60	A new kind of water-based nanofluid with a low loading of three-dimensional porous graphene. <i>Journal of Materials Science</i> , 2017, 52, 10485-10496.	1.7	5
61	Spinel Oxide Cathode Material for High Power Lithium Ion Batteries for Electrical Vehicles. <i>Energy Procedia</i> , 2016, 88, 689-692.	1.8	1
62	Catalyst Materials for Oxygen Reduction Reaction. , 2021, , 85-182.		0