

Yunyong Li

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.

61
papers

2,299
citations

25
h-index

47
g-index

62
ext. papers

2,765
ext. citations

10.3
avg, IF

5.31
L-index

#	Paper	IF	Citations
61	Oxygen Vacancy and Core-Shell Heterojunction Engineering of Anemone-Like CoP@CoOOH Bifunctional Electrocatalyst for Efficient Overall Water Splitting.. <i>Small</i> , 2022 , e2106012	11	3
60	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	17.1	3
59	Fabricating ultrathick, dense electrodes for compact rechargeable batteries with ultrahigh areal and volumetric capacity. <i>Journal of Power Sources</i> , 2022 , 523, 231046	8.9	0
58	Integrating Dually Encapsulated Si Architecture and Dense Structural Engineering for Ultrahigh Volumetric and Areal Capacity of Lithium Storage.. <i>ACS Nano</i> , 2022 ,	16.7	6
57	Ru/Rh Cation Doping and Oxygen-Vacancy Engineering of FeOOH Nanoarrays@Ti C T MXene Heterojunction for Highly Efficient and Stable Electrocatalytic Oxygen Evolution.. <i>Small</i> , 2022 , e2200173 ¹¹		2
56	Honeycomb-like biomass carbon with planted CoNi alloys to form hierarchical composites for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	2
55	Yolk-shell structured CuSi2P3@Graphene nanocomposite anode for long-life and high-rate lithium-ion batteries. <i>Nano Energy</i> , 2021 , 80, 105506	17.1	9
54	Targeted graphene oxide for drug delivery as a therapeutic nanoplatform against Parkinson's disease. <i>Biomaterials Science</i> , 2021 , 9, 1705-1715	7.4	10
53	Novel Cu(Zn)TeB compounds as advanced anode materials for Li-ion batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 2394-2407	35.4	4
52	Catalyst Materials for Oxygen Reduction Reaction 2021 , 85-182		
51	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	6.7	4
50	Ultrahigh-Volumetric-Energy-Density Lithium-Sulfur Batteries with Lean Electrolyte Enabled by Cobalt-Doped MoSe/TiCT MXene Bifunctional Catalyst. <i>ACS Nano</i> , 2021 ,	16.7	39
49	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	16.7	14
48	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	14.7	19
47	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 ^{11.5}		42
46	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	21.8	74
45	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	13	51

44	Ternary Cu ₂ P ₇ /CuP ₂ /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	5.7	14
43	Hierarchical cobalt phosphide hollow nanoboxes as high performance bifunctional electrocatalysts for overall water splitting. <i>Materials Today Energy</i> , 2019 , 12, 443-452	7	21
42	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	13	46
41	Structural design of Ge-based anodes with chemical bonding for high-performance Na-ion batteries. <i>Energy Storage Materials</i> , 2019 , 20, 380-387	19.4	18
40	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	6.1	14
39	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	5.1	17
38	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	3.3	5
37	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	6.7	12
36	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	9.5	40
35	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	13	19
34	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	4.3	4
33	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	13	23
32	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	6.7	14
31	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	6.7	20
30	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	10.7	28
29	Ultrasml 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	4.3	12
28	Spinel Oxide Cathode Material for High Power Lithium Ion Batteries for Electrical Vehicles. <i>Energy Procedia</i> , 2016 , 88, 689-692	2.3	1
27	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	9.5	73

26	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	4-3	14
25	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	5-7	12
24	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	13	29
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	5-7	32
22	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	6-7	25
21	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	4-3	26
20	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	5-7	16
19	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	8-9	20
18	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	17-1	70
17	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	3-7	15
16	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	5-7	25
15	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	13	29
14	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	6-7	17
13	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	13	116
12	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	13	43
11	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	13	82
10	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	13	17
9	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	13	97

8	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, 2474-80 ²⁴		594
7	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	8.5	43
6	Hydrothermal growth of SnS ₂ hollow spheres and their electrochemical properties. <i>CrystEngComm</i> , 2012 , 14, 4279	3.3	73
5	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, 5016-24 ²⁴		120
4	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	8.5	8
3	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	5.8	51
2	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, 2644-50	11.8	47
1	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, NA-NA ³		9