

# Yong Li

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,138  
citations

185998

28  
h-index

233125

45  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3382  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Branched ZnO/CdS Nanowire Arrays for Solar Water Splitting and the Service Safety Research. <i>Advanced Energy Materials</i> , 2016, 6, 1501459.	10.2	177
2	An innovative design of perovskite solar cells with Al <sub>2</sub> O <sub>3</sub> inserting at ZnO/perovskite interface for improving the performance and stability. <i>Nano Energy</i> , 2016, 22, 223-231.	8.2	157
3	Hydrophobic Polystyrene Passivation Layer for Simultaneously Improved Efficiency and Stability in Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18787-18795.	4.0	107
4	Enhanced Efficiency and Stability of Perovskite Solar Cells via Anti-Solvent Treatment in Two-Step Deposition Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7224-7231.	4.0	97
5	Implantable and Biodegradable Micro-Supercapacitor Based on a Superassembled Three-Dimensional Network Zn@PPy Hybrid Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8285-8293.	4.0	92
6	Atomic layer deposition assisted superassembly of ultrathin ZnO layer decorated hierarchical Cu foam for stable lithium metal anode. <i>Energy Storage Materials</i> , 2021, 37, 123-134.	9.5	88
7	Cactus-like hierarchical nanorod-nanosheet mixed dimensional photoanode for efficient and stable water splitting. <i>Nano Energy</i> , 2017, 35, 189-198.	8.2	76
8	A three-dimensional reticulate CNT-aerogel for a high mechanical flexibility fiber supercapacitor. <i>Nanoscale</i> , 2018, 10, 9360-9368.	2.8	71
9	Interfacial Superassembled Porous CeO <sub>2</sub> /C Frameworks Featuring Efficient and Sensitive Decomposing Li <sub>2</sub> O <sub>2</sub> for Smart Li-O <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901751.	10.2	71
10	Fiber-shaped asymmetric supercapacitors with ultrahigh energy density for flexible/wearable energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17704-17710.	5.2	69
11	Synergistic Effect of Surface Plasmonic particles and Surface Passivation layer on ZnO Nanorods Array for Improved Photoelectrochemical Water Splitting. <i>Scientific Reports</i> , 2016, 6, 29907.	1.6	68
12	Toxicity of different zinc oxide nanomaterials and dose-dependent onset and development of Parkinson's disease-like symptoms induced by zinc oxide nanorods. <i>Environment International</i> , 2021, 146, 106179.	4.8	67
13	Chemical Vapor Deposition Grown Wafer-scale 2D Tantalum Diselenide with Robust Charge-Density-Wave Order. <i>Advanced Materials</i> , 2018, 30, e1804616.	11.1	63
14	Superassembly of Porous Fe <sub>4</sub> (NiFe) <sub>8</sub> O Frameworks with Stable Octahedron and Multistage Structure for Superior Lithium-Oxygen Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1904262.	10.2	55
15	3D architecture of a graphene/CoMoO <sub>4</sub> composite for asymmetric supercapacitors usable at various temperatures. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 42-50.	5.0	53
16	Superassembled Hierarchical Cellulose Aerogel-Gelatin Solid Electrolyte for Implantable and Biodegradable Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	48
17	Zn doped ZIF67-derived porous carbon framework as efficient bifunctional electrocatalyst for water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19782-19791.	3.8	45
18	Interfacial Superassembly of Grape-Like MnO@Ni@C Frameworks for Superior Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13770-13780.	4.0	45

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19	Bioinspired Tribotronic Resistive Switching Memory for Self-Powered Memorizing Mechanical Stimuli. ACS Applied Materials & Interfaces, 2017, 9, 43822-43829.	4.0	42
20	Metal-Organic Framework-Plant Nanobiohybrids as Living Sensors for On-Site Environmental Pollutant Detection. Environmental Science & Technology, 2020, 54, 11356-11364.	4.6	42
21	A potassium thiocyanate additive for hysteresis elimination in highly efficient perovskite solar cells. Inorganic Chemistry Frontiers, 2019, 6, 434-442.	3.0	39
22	Ag nanoparticle embedded Cu nanoporous hybrid arrays for the selective electrocatalytic reduction of CO <sub>2</sub> towards ethylene. Inorganic Chemistry Frontiers, 2020, 7, 2097-2106.	3.0	39
23	Facile synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanowire arrays on 3D graphene foam for high-performance electrochemical capacitors application. Journal of Materials Science, 2018, 53, 10292-10301.	1.7	38
24	Wood-Derived Bimetallic and Heteroatomic Hierarchically Porous Carbon Aerogel for Rechargeable Flow Zn-Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 39458-39469.	4.0	38
25	A facile method for the preparation of three-dimensional CNT sponge and a nanoscale engineering design for high performance fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 22559-22567.	5.2	37
26	Efficient Yttrium(III) Chloride-Treated TiO <sub>2</sub> Electron Transfer Layers for Performance-Improved and Hysteresis-Less Perovskite Solar Cells. ChemSusChem, 2018, 11, 171-177.	3.6	36
27	Biocatalytic metal-organic framework nanomotors for active water decontamination. Chemical Communications, 2020, 56, 14837-14840.	2.2	34
28	Super-Assembled Hierarchical CoO Nanosheets-Cu Foam Composites as Multi-Level Hosts for High-Performance Lithium Metal Anodes. Small, 2021, 17, e2101301.	5.2	33
29	Current progress of metallic and carbon-based nanostructure catalysts towards the electrochemical reduction of CO <sub>2</sub> . Inorganic Chemistry Frontiers, 2019, 6, 3363-3380.	3.0	29
30	Ferroelectric polarization-enhanced charge separation in a vanadium-doped ZnO photoelectrochemical system. Inorganic Chemistry Frontiers, 2018, 5, 1533-1539.	3.0	27
31	Band alignment engineering for high-energy-density solid-state asymmetric supercapacitors with TiO <sub>2</sub> insertion at the ZnO/Ni(OH) <sub>2</sub> interface. Journal of Materials Chemistry A, 2016, 4, 17981-17987.	5.2	25
32	Effect of carrier screening on ZnO-based resistive switching memory devices. Nano Research, 2017, 10, 77-86.	5.8	23
33	Low-cost highly sensitive strain sensors for wearable electronics. Journal of Materials Chemistry C, 2017, 5, 10571-10577.	2.7	21
34	Controlled synthesis of ZnO modified N-doped porous carbon nanofiber membrane for highly efficient removal of heavy metal ions by capacitive deionization. Microporous and Mesoporous Materials, 2022, 338, 111889.	2.2	21
35	SnO <sub>2</sub> /SnS <sub>2</sub> heterostructure@ MXene framework as high performance anodes for hybrid lithium-ion capacitors. Electrochimica Acta, 2022, 409, 139981.	2.6	15
36	Super-assembled sandwich-like Au@MSN@Ag nanomatrices for high-throughput and efficient detection of small biomolecules. Nano Research, 2022, 15, 2722-2733.	5.8	14

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37	Environment-friendly degradable zinc-ion battery based on guar gum-cellulose aerogel electrolyte. <i>Biomaterials Science</i> , 2022, 10, 1476-1485.	2.6	14
38	3D graphene foam/ZnO nanorods array mixed-dimensional heterostructure for photoelectrochemical biosensing. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 364-369.	3.0	13
39	Deposition of In <sub>2</sub> O <sub>3</sub> nanofibers on polyimide substrates to construct high-performance and flexible trimethylamine sensor. <i>Chinese Chemical Letters</i> , 2020, 31, 2142-2144.	4.8	11
40	Super-Assembled Hierarchical and Stable N-Doped Carbon Nanotube Nanoarrays for Dendrite-Free Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 815-824.	2.5	11
41	Silver modified copper foam electrodes for enhanced reduction of CO <sub>2</sub> to C <sub>2+</sub> products. <i>Materials Advances</i> , 2022, 3, 4964-4972.	2.6	11
42	Superassembled Red Phosphorus Nanorod@Reduced Graphene Oxide Microflowers as High-Performance Lithium-Ion Battery Anodes. <i>Advanced Engineering Materials</i> , 2021, 23, 2001507.	1.6	10
43	A reassembled nanoporous gold leaf electrocatalyst for efficient CO <sub>2</sub> reduction towards CO. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1207-1212.	3.0	9
44	Introducing lead acetate into stoichiometric perovskite lewis acid-base precursor for improved solar cell photovoltaic performance. <i>Journal of Alloys and Compounds</i> , 2018, 767, 829-837.	2.8	8
45	Laser Cladding Induced Spherical Graphitic Phases by Super-Assembly of Graphene-Like Microstructures and the Antifriction Behavior. <i>ACS Central Science</i> , 2021, 7, 318-326.	5.3	8
46	A Novel 3D Hierarchical Plasmonic Functional Cu@Co <sub>3</sub> O <sub>4</sub> @Ag Array as Intelligent SERS Sensing Platform with Trace Droplet Rapid Detection Ability for Pesticide Residue Detection on Fruits and Vegetables. <i>Nanomaterials</i> , 2021, 11, 3460.	1.9	8
47	MnO <sub>2</sub> /MXene@Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> flexible foam for use in lithium ion storage. <i>Materials Advances</i> , 2021, 2, 4772-4780.	2.6	7
48	Defect-Rich Monolayer MoS <sub>2</sub> as a Universally Enhanced Substrate for Surface-Enhanced Raman Scattering. <i>Nanomaterials</i> , 2022, 12, 896.	1.9	7
49	Multi-Stage Ordered Mesoporous Carbon@graphene Aerogel@Ni <sub>3</sub> S <sub>2</sub> /Co <sub>4</sub> S <sub>3</sub> for Supercapacitor Electrode. <i>Electroanalysis</i> , 0, , .	1.5	6
50	Self-Supported Defect-Rich Au-Based Nanostructures as Robust Bifunctional Catalysts for the Methanol Oxidation Reaction and Oxygen Reduction Reaction in an Alkaline Medium. <i>Nanomaterials</i> , 2021, 11, 2193.	1.9	6
51	A boosting carrier transfer passivation layer for achieving efficient perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9794-9801.	2.7	4
52	Surface Charge Transfer Doping of MoS <sub>2</sub> Monolayer by Molecules with Aggregation-Induced Emission Effect. <i>Nanomaterials</i> , 2022, 12, 164.	1.9	3