

# Yin Hu

## List of Publications by Citations

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39  
papers

1,771  
citations

20  
h-index

40  
g-index

40  
ext. papers

2,462  
ext. citations

12.6  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
39	Modulating Electronic Structures of Inorganic Nanomaterials for Efficient Electrocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4484-4502	16.4	194
38	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903008	21.8	154
37	Atomic Interlamellar Ion Path in High Sulfur Content Lithium-Montmorillonite Host Enables High-Rate and Stable Lithium-Sulfur Battery. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804084	24	151
36	Strategies toward High-Loading Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000082	21.8	140
35	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17458-17464	16.4	120
34	Functionalized carbon nanoparticles: Syntheses and applications in optical bioimaging and energy conversion. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 320-321, 66-81	23.2	100
33	A Nonflammable and Thermotolerant Separator Suppresses Polysulfide Dissolution for Safe and Long-Cycle Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802441	21.8	97
32	An artificial hybrid interphase for an ultrahigh-rate and practical lithium metal anode. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 4115-4124	35.4	94
31	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. <i>Nature Communications</i> , <b>2019</b> , 10, 4973	17.4	86
30	Heterostructured NiS/ZnInS Realizing Toroid-like LiO Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. <i>ACS Nano</i> , <b>2020</b> , 14, 3490-3499	16.7	64
29	Carbon Quantum Dots Modified Interfacial Interactions and Ion Conductivity for Enhanced High Current Density Performance in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802955	21.8	64
28	Graphene quantum dots as the nucleation sites and interfacial regulator to suppress lithium dendrites for high-loading lithium-sulfur battery. <i>Nano Energy</i> , <b>2020</b> , 68, 104373	17.1	61
27	Modified Facile Synthesis for Quantitatively Fluorescent Carbon Dots. <i>Carbon</i> , <b>2017</b> , 122, 389-394	10.4	50
26	Optimizing Redox Reactions in Aprotic Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002180	21.8	45
25	Self-Confined Growth of Ultrathin 2D Nonlayered Wide-Bandgap Semiconductor CuBr Flakes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903580	24	37
24	An Efficient Separator with Low Li-Ion Diffusion Energy Barrier Resolving Feeble Conductivity for Practical Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901800	21.8	33
23	Photoexcited State Properties of Carbon Dots from Thermally Induced Functionalization of Carbon Nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10554-10561	7.1	31

22	Modulierung der elektronischen Strukturen anorganischer Nanomaterialien für eine effiziente elektrokatalytische Wasserspaltung. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4532-4551	3.6	27
21	Genetic engineering of porous sulfur species with molecular target prevents host passivation in lithium sulfur batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 26, 65-72	19.4	24
20	Host-guest carbon dots as high-performance fluorescence probes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6328-6335	7.1	23
19	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17619-17625	3.6	20
18	Au nanoparticles and graphene quantum dots co-modified glassy carbon electrode for catechol sensing. <i>Chemical Physics Letters</i> , <b>2016</b> , 647, 165-169	2.5	17
17	Preparation and optical properties of magnetic carbon/iron oxide hybrid dots. <i>RSC Advances</i> , <b>2017</b> , 7, 41304-41310	3.7	14
16	NiO nanosheets grown on carbon cloth as mesoporous cathode for High-performance lithium-sulfur battery. <i>Materials Letters</i> , <b>2020</b> , 268, 127622	3.3	13
15	An approach to controlling the fluorescence of graphene quantum dots: From surface oxidation to fluorescent mechanism. <i>Chinese Physics B</i> , <b>2014</b> , 23, 128103	1.2	12
14	Modulated photoluminescence of graphene quantum dots in the vicinity of an individual silver nano-octahedron. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4504-9	3.6	12
13	Ferroelectric polarization accelerates lithium-ion diffusion for dendrite-free and highly-practical lithium-metal batteries. <i>Nano Energy</i> , <b>2021</b> , 79, 105481	17.1	12
12	Defect-introduced graphene sheets with hole structure as lithium-ion battery anode. <i>Materials Letters</i> , <b>2016</b> , 164, 278-281	3.3	11
11	3D Printed LiS Batteries with In Situ Decorated Li <sub>2</sub> S/C Cathode: Interface Engineering Induced Loading-Insensitivity for Scaled Areal Performance. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100420	21.8	11
10	In Situ/Operando Raman Techniques in Lithium-Sulfur Batteries. <i>Small Structures</i> , 2100170	8.7	10
9	Carbon-Intercalated Montmorillonite as Efficient Polysulfide Mediator for Enhancing the Performance of Lithium-Sulfur Batteries. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 8947-8955	4.1	9
8	Facile and controllable synthesis of molybdenum disulfide quantum dots for highly sensitive and selective sensing of copper ions. <i>Chinese Physics B</i> , <b>2018</b> , 27, 056104	1.2	8
7	Strong intermolecular polarization to boost polysulfide conversion kinetics for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9771-9779	13	8
6	Eliminating anion depletion region and promoting Li <sup>+</sup> solvation via anionphilic metal organic framework for dendrite-free lithium deposition. <i>Nano Energy</i> , <b>2022</b> , 92, 106708	17.1	5
5	Label-free tungsten disulfide quantum dots as a fluorescent sensing platform for highly efficient detection of copper (II) ions. <i>Chinese Physics B</i> , <b>2017</b> , 26, 066102	1.2	4

4	Mapping Techniques for the Design of Lithium-Sulfur Batteries.. <i>Small</i> , <b>2022</b> , e2106657	11	3
3	Ion-Inserted Metal-Organic Frameworks Accelerate the Mass Transfer Kinetics in Lithium-Sulfur Batteries. <i>Small</i> , <b>2021</b> , 17, e2104367	11	3
2	Silica-covered Au nanoresonators for fluorescence modulating of a graphene quantum dot. <i>Chinese Physics B</i> , <b>2014</b> , 23, 097803	1.2	2
1	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanoparticles as cathode additive for high-performance lithium sulfur battery. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1707, 012006	0.3	0