

# Wen Yang

## List of Publications by Year in descending order

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64  
papers

3,883  
citations

172207

29  
h-index

123241

61  
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66  
all docs

66  
docs citations

66  
times ranked

6554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orderly defective superstructure for enhanced pseudocapacitive storage in titanium niobium oxide. Nano Research, 2022, 15, 1570-1578.	5.8	24
2	Carbon electrodes with ionophobic characteristics in organic electrolyte for high-performance electric double-layer capacitors. Science China Materials, 2022, 65, 383-390.	3.5	18
3	Interface engineering of plasmonic induced Fe/N/C-F catalyst with enhanced oxygen catalysis performance for fuel cells application. Nano Research, 2022, 15, 2138-2146.	5.8	25
4	Tailored Carrier Transport Path by Interpenetrating Networks in Cathode Composite for High Performance All-Solid-State Li-SeS <sub>2</sub> Batteries. Advanced Fiber Materials, 2022, 4, 487-502.	7.9	17
5	Design Unique Air-Stable and Li-Metal Compatible Sulfide Electrolyte via Exploration of Anion Functional Units for All-Solid-State Lithium-Metal Batteries. Advanced Functional Materials, 2022, 32, .	7.8	33
6	Graphite foam as carbon-based footprint for in-situ fabrication of Ti <sup>3+</sup> -doped titanium niobium oxide (Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> ) nanocrystal for high-rate performance lithium-ion batteries. Journal of Colloid and Interface Science, 2022, 623, 1015-1026.	5.0	7
7	An Unprecedented Fireproof, Anion-Immobilized Composite Electrolyte Obtained via Solidifying Carbonate Electrolyte for Safe and High-Power Solid-State Lithium-Ion Batteries. Small, 2022, 18, .	5.2	9
8	Efficient polysulfide conversion by Fe-N/C active sites anchored in N, P- doped carbon for high-performance lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 922, 166132.	2.8	11
9	A novel air-stable Li <sub>7</sub> Sb <sub>0.05</sub> P <sub>2.95</sub> S <sub>10.5</sub> I <sub>0.5</sub> superionic conductor glass-ceramics electrolyte for all-solid-state lithium-sulfur batteries. Chemical Engineering Journal, 2021, 407, 127149.	6.6	54
10	Chickpea derived Co nanocrystal encapsulated in 3D nitrogen-doped mesoporous carbon: Pressure cooking synthetic strategy and its application in lithium-sulfur batteries. Journal of Colloid and Interface Science, 2021, 585, 328-336.	5.0	29
11	Disulfide-Containing Molecular Sticker Assists Cellular Delivery of DNA Nanoassemblies by Bypassing Endocytosis. CCS Chemistry, 2021, 3, 1178-1186.	4.6	17
12	Strong Interfacial Adhesion between the Li <sub>2</sub> S Cathode and a Functional Li <sub>7</sub> P <sub>2.9</sub> Ce <sub>0.2</sub> S <sub>10.9</sub> Cl <sub>0.3</sub> Solid-State Electrolyte Endowed Long-Term Cycle Stability to All-Solid-State Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28270-28280.	4.0	27
13	Space Charge Layer Effect in Sulfide Solid Electrolytes in All-Solid-State Batteries: In-situ Characterization and Resolution. Transactions of Tianjin University, 2021, 27, 423-433.	3.3	13
14	Insight on air-induced degradation mechanism of Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> to design a chemical-stable solid electrolyte with high Li <sub>2</sub> S utilization in all-solid-state Li/S batteries. Chemical Engineering Journal, 2021, 425, 130535.	6.6	39
15	A panoramic view of Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> solid electrolytes synthesis, structural aspects and practical challenges for all-solid-state lithium batteries. Chinese Journal of Chemical Engineering, 2021, 39, 16-36.	1.7	18
16	Cathode-doped sulfide electrolyte strategy for boosting all-solid-state lithium batteries. Chemical Engineering Journal, 2020, 391, 123529.	6.6	31
17	Electrode materials derived from plastic wastes and other industrial wastes for supercapacitors. Chinese Chemical Letters, 2020, 31, 1474-1489.	4.8	68
18	Revealing of Active Sites and Catalytic Mechanism in N-Coordinated Fe, Ni Dual-Doped Carbon with Superior Acidic Oxygen Reduction than Single-Atom Catalyst. Journal of Physical Chemistry Letters, 2020, 11, 1404-1410.	2.1	131

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19	Enhanced Air Stability and High Li-Ion Conductivity of $\text{Li}_{6.988}\text{P}_{2.994}\text{Nb}_{0.2}\text{S}_{10.934}\text{O}_{0.6}$ Class Ceramic Electrolyte for All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21548-21558.	4.0	74
20	From upcycled waste polyethylene plastic to graphene/mesoporous carbon for high-voltage supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 55-64.	5.0	43
21	Incorporation of $\text{CeF}_3$ on single-atom dispersed Fe/N/C with oxophilic interface as highly durable electrocatalyst for proton exchange membrane fuel cell. <i>Journal of Catalysis</i> , 2019, 374, 43-50.	3.1	31
22	Polyethylene waste carbons with a mesoporous network towards highly efficient supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 366, 313-320.	6.6	86
23	Layer by Layer Assemble of Colloid Nanomaterial and Functional Multilayer Films for Energy Storage and Conversion. , 2019, , 255-278.		4
24	Porous carbon supported atomic iron as electrocatalysts for acidic oxygen reduction reaction. <i>Science Bulletin</i> , 2018, 63, 213-215.	4.3	12
25	Porous carbon electrocatalyst with exclusive metal-coordinate active sites for acidic oxygen reduction reaction. <i>Carbon</i> , 2018, 132, 85-94.	5.4	19
26	Synergistic Doping for Pseudocapacitance Sites in Alkaline Carbon Supercapacitors. <i>ChemElectroChem</i> , 2018, 5, 84-92.	1.7	13
27	Synthesis of Biomass-Derived Carbon Induced by Cellular Respiration in Yeast for Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 18068-18074.	1.7	35
28	Metal-phosphide-doped $\text{Li}_7\text{P}_3\text{S}_{11}$ glass-ceramic electrolyte with high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Electrochemistry Communications</i> , 2018, 97, 100-104.	2.3	30
29	Atomic Iron Catalysis of Polysulfide Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19311-19317.	4.0	152
30	Hierarchical design of nitrogen-doped porous carbon nanorods for use in high efficiency capacitive energy storage. <i>RSC Advances</i> , 2017, 7, 22447-22453.	1.7	19
31	Turn-on theranostic fluorescent nanoprobe by electrostatic self-assembly of carbon dots with doxorubicin for targeted cancer cell imaging, in vivo hyaluronidase analysis, and targeted drug delivery. <i>Biosensors and Bioelectronics</i> , 2017, 96, 300-307.	5.3	144
32	Ionically dispersed Fe-N and Zn-N in porous carbon for acidic oxygen reduction reactions. <i>Chemical Communications</i> , 2017, 53, 11453-11456.	2.2	22
33	Layer-by-Layer Assembled Architecture of Polyelectrolyte Multilayers and Graphene Sheets on Hollow Carbon Spheres/Sulfur Composite for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 5488-5494.	4.5	104
34	UV-assisted synthesis of long-wavelength Si-pyronine fluorescent dyes for real-time and dynamic imaging of glutathione fluctuation in living cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4826-4831.	2.9	28
35	Phosphorus, and nitrogen co-doped carbon dots as a fluorescent probe for real-time measurement of reactive oxygen and nitrogen species inside macrophages. <i>Biosensors and Bioelectronics</i> , 2016, 79, 822-828.	5.3	102
36	Reversible and Dynamic Fluorescence Imaging of Cellular Redox Self-Regulation Using Fast-Responsive Near-Infrared Ge-Pyronines. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8991-8997.	4.0	41

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37	Highly specific and ratiometric fluorescent probe for ozone assay in indoor air and living cells. <i>Dyes and Pigments</i> , 2016, 127, 67-72.	2.0	14
38	3D coral-like nitrogen-sulfur co-doped carbon-sulfur composite for high performance lithium-sulfur batteries. <i>Scientific Reports</i> , 2015, 5, 13340.	1.6	104
39	Stable DNA Nanomachine Based on Duplex-Triplex Transition for Ratiometric Imaging Instantaneous pH Changes in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 5854-5859.	3.2	51
40	Mn-doped CdS/ZnS/CdS QD-based fluorescent nanosensor for rapid, selective, and ultrasensitive detection of copper(II) ion. <i>RSC Advances</i> , 2015, 5, 63458-63464.	1.7	13
41	Triphenylphosphine-assisted highly sensitive fluorescent chemosensor for ratiometric detection of palladium in solution and living cells. <i>RSC Advances</i> , 2015, 5, 97121-97126.	1.7	21
42	Graphene in Supercapacitor Applications. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 416-428.	3.4	154
43	Surfactant-sensitized ratiometric fluorescent chemodosimeter for the highly selective detection of mercury(II) ions based on vinyl ether oxymercuration. <i>RSC Advances</i> , 2014, 4, 12596.	1.7	17
44	Explicit Differentiation of G-Quadruplex/Ligand Interactions: Triplet Excited States as Sensitive Reporters. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2259-2266.	2.1	13
45	Noncovalent hybrid of CoMn <sub>2</sub> O <sub>4</sub> spinel nanocrystals and poly (diallyldimethylammonium chloride) functionalized carbon nanotubes as efficient electrocatalysts for oxygen reduction reaction. <i>Carbon</i> , 2013, 65, 277-286.	5.4	80
46	Oleylamine as solvent and stabilizer to synthesize shape-controlled ZnS nanocrystals with good optical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 126-129.	2.3	17
47	One-pot self-assembly of flower-like Cu <sub>2</sub> S structures with near-infrared photoluminescent properties. <i>CrystEngComm</i> , 2011, 13, 6549.	1.3	22
48	Efficient Metal-Free Oxygen Reduction in Alkaline Medium on High-Surface-Area Mesoporous Nitrogen-Doped Carbons Made from Ionic Liquids and Nucleobases. <i>Journal of the American Chemical Society</i> , 2011, 133, 206-209.	6.6	826
49	Highly Enantioselective Henry Reaction Catalyzed by Chiral C <sub>2</sub> -Symmetric Modular BINOL-Oxazoline Schiff Base Copper(II) Complexes Generated in Situ. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1552-1556.	1.2	29
50	Photochemical Hydrogen Abstraction and Electron Transfer Reactions of Tetrachlorobenzoquinone with Pyrimidine Nucleobases. <i>Chinese Journal of Chemical Physics</i> , 2011, 24, 580-585.	0.6	6
51	Polymer wrapping technique: an effective route to prepare Pt nanoflower/carbon nanotube hybrids and application in oxygen reduction. <i>Energy and Environmental Science</i> , 2010, 3, 144-149.	15.6	45
52	Efficient in situ three-component formation of chiral oxazoline-Schiff base copper(II) complexes: towards combinatorial library of chiral catalysts for asymmetric Henry reaction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2956.	1.5	45
53	Rapid and Tunable Patterning of High Purity ZnO Nanoarrays without Template or Catalyst. <i>Chemistry - A European Journal</i> , 2009, 15, 4253-4257.	1.7	5
54	Green synthesis of nanowire-like Pt nanostructures and their catalytic properties. <i>Talanta</i> , 2009, 78, 557-564.	2.9	36

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55	In situ PEI and formic acid directed formation of Pt NPs/MWNTs hybrid material with excellent electrocatalytic activity. <i>Talanta</i> , 2009, 79, 935-939.	2.9	13
56	Carbon Nanotubes Decorated with Pt Nanocubes by a Noncovalent Functionalization Method and Their Role in Oxygen Reduction. <i>Advanced Materials</i> , 2008, 20, 2579-2587.	11.1	127
57	A study on the antibacterial activity of one-dimensional ZnO nanowire arrays: effects of the orientation and plane surface. <i>Chemical Communications</i> , 2007, , 4419.	2.2	133
58	Molecular Dynamics Simulation of the Formation of Polymer Networks. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 548-556.	0.6	16
59	“Green synthesis” of monodisperse Pt nanoparticles and their catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 628-633.	2.3	47
60	Ewald Summation for Uniformly Charged Surface. <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 1618-1623.	2.3	5
61	Superhydrophobic surface directly created by electrospinning based on hydrophilic material. <i>Journal of Materials Science</i> , 2006, 41, 3793-3797.	1.7	163
62	Experimental study on relationship between jet instability and formation of beaded fibers during electrospinning. <i>Polymer Engineering and Science</i> , 2005, 45, 704-709.	1.5	301
63	Microwave-promoted One-Pot Three-Component Reaction to [60]Fulleropyrrolidine Derivatives. <i>Synthetic Communications</i> , 2005, 35, 89-96.	1.1	16
64	Efficient and convenient preparation of water-soluble fullerenol. <i>Chinese Journal of Chemistry</i> , 2004, 22, 1008-1011.	2.6	31