Hongyu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

92 papers	3,321 citations	117453 34 h-index	161609 54 g-index
95 all docs	95 docs citations	95 times ranked	4731 citing authors

#	Article	IF	Citations
1	An endoplasmic reticulum-targeted organic photothermal agent for enhanced cancer therapy. Chinese Chemical Letters, 2022, 33, 793-797.	4.8	15
2	Intercalation of Tetrafluoroborate Anions into Graphite Electrodes from Mixed Sulfones. ACS Applied Energy Materials, 2022, 5, 2366-2374.	2.5	6
3	Hierarchical Intercalation of Spiro-bipyrrolidinium Cation into Graphite Electrode from Propylene Carbonate. Chemistry Letters, 2022, 51, 508-510.	0.7	0
4	Directing-group-free catalytic dicarbofunctionalization of unactivated alkenes. Nature Chemistry, 2022, 14, 188-195.	6.6	48
5	N-Heterocyclic Carbeneâ€“Nickel-Catalyzed Regioselective Diarylation of Aliphatic-1,3-Dienes. ACS Catalysis, 2022, 12, 724-732.	5.5	16
6	Investigation of the influence of blade configuration on the hemodynamic performance and blood damage of the centrifugal blood pump. Artificial Organs, 2022, 46, 1817-1832.	1.0	13
7	Directing group-free approaches for three-component catalytic dicarbofunctionalization of unactivated alkenes. Cell Reports Physical Science, 2022, 3, 100901.	2.8	11
8	A New Mathematical Numerical Model to Evaluate the Risk of Thrombosis in Three Clinical Ventricular Assist Devices. Bioengineering, 2022, 9, 235.	1.6	9
9	Intercalation Behavior of Tetrafluoroborate Anion in a Graphite Electrode from Mixed Cyclic Carbonates. ACS Applied Energy Materials, 2021, 4, 737-744.	2.5	9
10	Rationale and design of a multicenter, randomized, patients-blinded two-stage clinical trial on effects of endothelial function test in patients with non-obstructive coronary artery disease (ENDOFIND). International Journal of Cardiology, 2021, 325, 16-22.	0.8	8
11	Enantioselectivity switch in asymmetric Michael addition reactions using phosphonium salts. Organic and Biomolecular Chemistry, 2021, 19, 6334-6340.	1.5	2
12	PF_6^- Intercalation into Graphite Electrode from Propylene Carbonate. ACS Applied Energy Materials, 2021, 4, 2181-2189.	2.5	12
13	Tackling the Interfacial Issues of Spinel $LiNi_{0.5}Mn_{1.5}O_4$ by Room-Temperature Spontaneous Dediazonation Reaction. ACS Applied Materials & Interfaces, 2021, 13, 13264-13272.	4.0	20
14	Hexafluorophosphate Intercalation into the Graphite Electrode from Mixed Cyclic Carbonates. ACS Applied Energy Materials, 2021, 4, 5316-5325.	2.5	9
15	Catalytic Regioselective Olefin Hydroarylation(alkenylation) by Sequential Carbonickelation-Hydride Transfer. Journal of the American Chemical Society, 2021, 143, 9498-9506.	6.6	28
16	Combining Experiments and Theoretical Calculations to Investigate the Intercalation Behavior of Bis(trifluoromethanesulfonimide) Anion into Graphite Electrodes from Alkyl Phosphates. ACS Applied Materials & Interfaces, 2021, 13, 34197-34201.	4.0	7
17	Olefin functionalization/isomerization enables stereoselective alkene synthesis. Nature Catalysis, 2021, 4, 674-683.	16.1	30
18	Hexafluorophosphate Anion Intercalation into Graphite Electrodes from Propylene Carbonate/Gamma-Butyrolactone Solutions. Langmuir, 2021, 37, 10797-10805.	1.6	5

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19	An efficient strategy for cancer therapy using a tumor- and lysosome-targeted organic photothermal agent. Nanoscale, 2021, 13, 8790-8794.	2.8	9
20	Anion Intercalation into a Graphite Electrode from Trimethyl Phosphate. ACS Applied Materials & Interfaces, 2020, 12, 47647-47654.	4.0	21
21	Dual-targeted photothermal agents for enhanced cancer therapy. Chemical Science, 2020, 11, 8055-8072.	3.7	60
22	Carbon nano-beads collected from candle soot as an anode material with a highly pseudocapacitive Na+ storage capability for dual-ion batteries. Ionics, 2020, 26, 4533-4542.	1.2	9
23	Enantioselective Vinylogous Mannichâ€Type Reactions to Construct CF 3 Sâ€Containing Stereocenters Catalysed by Chiral Quaternary Phosphonium Salts. Advanced Synthesis and Catalysis, 2020, 362, 1851-1857.	2.1	11
24	Engaging Î±-Fluorocarboxylic Acids Directly in Decarboxylative Câ€“C Bond Formation. ACS Catalysis, 2020, 10, 4451-4459.	5.5	27
25	Effects of mPEG-DSPE/corannulene or perylene nanoparticles on the ovary and oocyte. RSC Advances, 2020, 10, 16972-16981.	1.7	0
26	Construction of Kinetics Pathways in Lithium Titanate Composite Material to Quickly Store Sodium Ion for the Dual-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 7550-7559.	2.5	8
27	Anatase TiO₂ as a Na⁺-Storage Anode Active Material for Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 30453-30459.	4.0	40
28	Anion Storage Behavior of Graphite Electrodes in LiBF₄/Sulfone/Ethyl Methyl Carbonate Solutions. Langmuir, 2019, 35, 14804-14811.	1.6	19
29	Ethylmethyl Carbonateâ€™s Role in Hexafluorophosphate Storage in Graphite Electrodes. ACS Applied Energy Materials, 2019, 2, 8031-8038.	2.5	28
30	Bifunctional Ion Pair Catalysts from Chiral Î±â€Amino Acids. Chinese Journal of Chemistry, 2019, 37, 1111-1119.	2.6	46
31	Regioselective intramolecular Markovnikov and anti-Markovnikov hydrofunctionalization of alkenes via photoredox catalysis. Chemical Communications, 2019, 55, 11426-11429.	2.2	11
32	Asymmetric kinetic resolution of sulfides for the construction of unsymmetric sulfides and chiral 3,3-disubstituted oxindoles. Organic and Biomolecular Chemistry, 2019, 17, 6351-6354.	1.5	8
33	Fluorene-9-bisphenol exposure induces cytotoxicity in mouse oocytes and causes ovarian damage. Ecotoxicology and Environmental Safety, 2019, 180, 168-178.	2.9	37
34	Chiral Phase-Transfer Catalysts with Hydrogen Bond: A Powerful Tool in the Asymmetric Synthesis. Catalysts, 2019, 9, 244.	1.6	41
35	Synergetic Effect of Ethyl Methyl Carbonate and Trimethyl Phosphate on BF4â€“ Intercalation into a Graphite Electrode. Langmuir, 2019, 35, 3972-3979.	1.6	32
36	Asymmetric cyclizations via a sequential Michael addition/Conia-ene reaction by combining multifunctional quaternary phosphonium salt and silver catalysis. Tetrahedron, 2019, 75, 2706-2716.	1.0	20

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37	A self-assembly of an active tumor-targeted photothermal agent for enhanced anti-inflammatory cancer therapy. Nanoscale, 2019, 11, 18021-18025.	2.8	14
38	Curvature of Buckybowl Corannulene Enhances Its Binding to Proteins. Journal of Physical Chemistry C, 2019, 123, 922-930.	1.5	8
39	A Dualâ€Targeted Organic Photothermal Agent for Enhanced Photothermal Therapy. Angewandte Chemie - International Edition, 2019, 58, 1057-1061.	7.2	232
40	A Dualâ€Targeted Organic Photothermal Agent for Enhanced Photothermal Therapy. Angewandte Chemie, 2019, 131, 1069-1073.	1.6	53
41	Flame-Retardant Electrolyte Solution for Dual-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 1363-1370.	2.5	41
42	Goldâ€Catalyzed Intramolecular Dearomatization of Phenols with Allenoates for the Synthesis of Spirocyclohexadienones. Advanced Synthesis and Catalysis, 2018, 360, 2352-2357.	2.1	18
43	Fluorescence and photoacoustic dual-mode imaging of tumor-related mRNA with a covalent linkage-based DNA nanoprobe. Chemical Communications, 2018, 54, 3656-3659.	2.2	30
44	Hydrogen bond directed aerobic oxidation of amines via photoredox catalysis. Chemical Communications, 2018, 54, 10989-10992.	2.2	14
45	Nuclear-targeted siRNA delivery for long-term gene silencing. Chemical Science, 2017, 8, 2816-2822.	3.7	48
46	Visualizing the Conversion Process of Alcohol-Induced Fatty Liver to Steatohepatitis in Vivo with a Fluorescent Nanoprobe. Analytical Chemistry, 2017, 89, 6196-6201.	3.2	30
47	Tumor microenvironment-triggered fabrication of gold nanomachines for tumor-specific photoacoustic imaging and photothermal therapy. Chemical Science, 2017, 8, 4896-4903.	3.7	92
48	A DNA Tetrahedron Nanoprobe with Controlled Distance of Dyes for Multiple Detection in Living Cells and in Vivo. Analytical Chemistry, 2017, 89, 6670-6677.	3.2	64
49	Enantioselective Mannichâ€Type Reactions to Construct Trifluoromethylthioâ€Containing Tetrasubstituted Carbon Stereocenters via Asymmetric Dualâ€Reagent Catalysis. Advanced Synthesis and Catalysis, 2017, 359, 2942-2948.	2.1	33
50	Asymmetric Strecker Reactions Catalyzed by Thiourea Phosphonium and Ammonium Salts. Advanced Synthesis and Catalysis, 2017, 359, 1819-1824.	2.1	52
51	Enantioselective direct Mannich reaction of functionalized acetonitrile to N -Boc imines catalyzed by quaternary phosphonium catalysis. Tetrahedron, 2017, 73, 2349-2358.	1.0	21
52	Nanocarriers with multi-locked DNA valves targeting intracellular tumor-related mRNAs for controlled drug release. Nanoscale, 2017, 9, 17318-17324.	2.8	17
53	Asymmetric Intermolecular Rauhutâ€“Currier Reaction for the Construction of 3,3â€Disubstituted Oxindoles with Quaternary Stereogenic Centers. Advanced Synthesis and Catalysis, 2017, 359, 3934-3939.	2.1	42
54	Exploring the effects and mechanisms of carbon nanomaterial diversity on the morphology of lysozyme crystals. CrystEngComm, 2017, 19, 5873-5881.	1.3	7

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55	Dual-Ratiometric Fluorescent Nanoprobe for Visualizing the Dynamic Process of pH and Superoxide Anion Changes in Autophagy and Apoptosis. ACS Applied Materials & Interfaces, 2017, 9, 27512-27521.	4.0	47
56	Visible light-induced cyclization reactions for the synthesis of 1,2,4-triazolines and 1,2,4-triazoles. Chemical Communications, 2017, 53, 9644-9647.	2.2	51
57	A micro-sized Siâ€“CNT anode for practical application via a one-step, low-cost and green method. RSC Advances, 2017, 7, 54844-54851.	1.7	12
58	Effect of surface modification on electrochemical performance of nano-sized Si as an anode material for Li-ion batteries. RSC Advances, 2016, 6, 34715-34723.	1.7	45
59	Improved performance in micron-sized silicon anodes by in situ polymerization of acrylic acid-based slurry. Journal of Materials Chemistry A, 2016, 4, 16982-16991.	5.2	47
60	Enantioselective Michael Addition of Malonates to Chalcone Derivatives Catalyzed by Dipeptide-derived Multifunctional Phosphonium Salts. Journal of Organic Chemistry, 2016, 81, 9973-9982.	1.7	56
61	Enantioselective Construction of Spirocyclic Oxindoles via Tandem Michael/Michael Reactions Catalyzed by Multifunctional Quaternary Phosphonium Salt. Journal of Organic Chemistry, 2016, 81, 10558-10568.	1.7	51
62	Dipeptide-derived multifunctional phosphonium salt as a catalyst to synthesize highly functionalized chiral cyclopentanes. Tetrahedron, 2016, 72, 4141-4150.	1.0	20
63	DipeptideâEDerived Multifunctional Quaternary Phosphonium Salt Catalyzed Asymmetric Cyclizations via a Tandem Michael Addition/S_N2 Sequence. Chemistry - A European Journal, 2015, 21, 9998-10002.	1.7	62
64	Phenolic group on A-ring is key for dracoflavan B as a selective noncompetitive inhibitor of Î±-amylase. Bioorganic and Medicinal Chemistry, 2015, 23, 7641-7649.	1.4	10
65	Enantioselective desymmetrization of meso-aziridines with aromatic thiols catalyzed by chiral bifunctional quaternary phosphonium salts derived from Î±-amino acids. Tetrahedron, 2015, 71, 1785-1791.	1.0	26
66	MoS₂â€“C/graphite, an electric energy storage device using Na⁺-based organic electrolytes. RSC Advances, 2015, 5, 15431-15437.	1.7	25
67	A developed technique for measuring water content in oil-contaminated porous media. Environmental Earth Sciences, 2014, 71, 1349-1356.	1.3	10
68	A facile hard-templating synthesis of mesoporous spinel CoFe₂O₄nanostructures as promising electrocatalysts for the H₂O₂reduction reaction. RSC Advances, 2014, 4, 1754-1760.	1.7	28
69	Porous NiCo2O4 as an anode material for 4.5 V hybrid Li-ion capacitors. RSC Advances, 2013, 3, 12581.	1.7	35
70	Hydrothermal and soft-templating synthesis of mesoporous NiCo2O4 nanomaterials for high-performance electrochemical capacitors. Journal of Applied Electrochemistry, 2013, 43, 903-910.	1.5	35
71	Nanofiber membrane based on ionic liquids as high-performance polymer electrolyte for sodium electrochemical device. Ionics, 2013, 19, 1595-1602.	1.2	7
72	Facile fabrication of mesoporous manganese oxides as advanced electrode materials for supercapacitors. Journal of Solid State Electrochemistry, 2013, 17, 2579-2588.	1.2	17

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73	Microbial fuel cells and microbial electrolysis cells for the production of bioelectricity and biomaterials. Environmental Technology (United Kingdom), 2013, 34, 1915-1928.	1.2	21
74	Enantioselective Addition of Thiols to Imines Catalyzed by Thioureaâ€“Quaternary Ammonium Salts. ACS Catalysis, 2013, 3, 2218-2221.	5.5	86
75	Facile synthesis of mesoporous MnO2 microspheres for high performance AC//MnO2 aqueous hybrid supercapacitors. Electrochimica Acta, 2013, 108, 497-505.	2.6	79
76	Simple hydrothermal synthesis of mesoporous spinel NiCo₂O₄nanoparticles and their catalytic behavior in CH₃OH electro-oxidation and H₂O₂electro-reduction. Catalysis Science and Technology, 2013, 3, 3207-3215.	2.1	107
77	Recent advances in microbial fuel cells (<scp>MFCs</scp>) and microbial electrolysis cells (<scp>MECs</scp>) for wastewater treatment, bioenergy and bioproducts. Journal of Chemical Technology and Biotechnology, 2013, 88, 508-518.	1.6	211
78	Microorganismâ€Derived Heteroatomâ€Doped Carbon Materials for Oxygen Reduction and Supercapacitors. Advanced Functional Materials, 2013, 23, 1305-1312.	7.8	213
79	Novel bifunctional thioureaâ€“ammonium salt catalysts derived fromÂamino acids: application to highly enantio- and diastereoselective aza-Henry reaction. Tetrahedron, 2013, 69, 5104-5111.	1.0	62
80	Thiourea-phosphonium salts from amino acids: cooperative phase-transfer catalysts in the enantioselective aza-Henry reaction. Chemical Communications, 2013, 49, 5972.	2.2	110
81	Starch Hydrolase Inhibitors from Edible Plants. Advances in Food and Nutrition Research, 2013, 70, 103-136.	1.5	23
82	Characterization of Proanthocyanidins in Stems of Polygonum multiflorum Thunb as Strong Starch Hydrolase Inhibitors. Molecules, 2013, 18, 2255-2265.	1.7	26
83	A facile and cost-effective synthesis of mesoporous NiCo2O4 nanoparticles and their capacitive behavior in electrochemical capacitors. Journal of Solid State Electrochemistry, 2012, 16, 3621-3633.	1.2	81
84	Hierarchical porous NiCo2O4 nanomaterials with excellent cycling behavior for electrochemical capacitors via a hard-templating route. Journal of Applied Electrochemistry, 2012, 42, 1033-1043.	1.5	24
85	Facile preparation and performance of mesoporous manganese oxide for supercapacitors utilizing neutral aqueous electrolytes. RSC Advances, 2012, 2, 3298.	1.7	61
86	Profiles and Î±-Amylase Inhibition Activity of Proanthocyanidins in Unripe Manilkara zapota (Chiku). Journal of Agricultural and Food Chemistry, 2012, 60, 3098-3104.	2.4	50
87	Cotton-assisted preparation of mesoporous manganese oxide for supercapacitors. RSC Advances, 2012, 2, 6741.	1.7	20
88	Suppression of PF6â^' intercalation into graphite by small amounts of ethylene carbonate in activated carbon/graphite capacitors. Chemical Communications, 2010, 46, 1544.	2.2	65
89	Research and Design of Extension Case Base Based on CBR. , 2009, , .		1
90	Asymmetric Dieckmann Condensation towards Spirocyclic Oxindoles Catalyzed by Amino Acidâ€derived Phosphonium Salt. Advanced Synthesis and Catalysis, 0, , .	2.1	0

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91	An active tumor-targeting organic photochemotherapy agent with naproxen for enhanced cancer therapy. Chemical Communications, 0, , .	2.2	0
92	White Latex: Appealing â€œGreenâ€•Alternative for PVdF in Electrode Manufacturing for Sustainable Li-Ion Batteries. Langmuir, 0, , .	1.6	2