

Hongyu Wang

List of Publications by Year in descending order

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92
papers

3,321
citations

117453
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docs citations

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times ranked

4731
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dual-Targeted Organic Photothermal Agent for Enhanced Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1057-1061.	7.2	232
2	Microorganism-Derived Heteroatom-Doped Carbon Materials for Oxygen Reduction and Supercapacitors. <i>Advanced Functional Materials</i> , 2013, 23, 1305-1312.	7.8	213
3	Recent advances in microbial fuel cells (MFCs) and microbial electrolysis cells (MECs) for wastewater treatment, bioenergy and bioproducts. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 508-518.	1.6	211
4	Thiourea-phosphonium salts from amino acids: cooperative phase-transfer catalysts in the enantioselective aza-Henry reaction. <i>Chemical Communications</i> , 2013, 49, 5972.	2.2	110
5	Simple hydrothermal synthesis of mesoporous spinel NiCo ₂ O ₄ nanoparticles and their catalytic behavior in CH ₃ OH electro-oxidation and H ₂ O ₂ electro-reduction. <i>Catalysis Science and Technology</i> , 2013, 3, 3207-3215.	2.1	107
6	Tumor microenvironment-triggered fabrication of gold nanomachines for tumor-specific photoacoustic imaging and photothermal therapy. <i>Chemical Science</i> , 2017, 8, 4896-4903.	3.7	92
7	Enantioselective Addition of Thiols to Imines Catalyzed by Thiourea-Quaternary Ammonium Salts. <i>ACS Catalysis</i> , 2013, 3, 2218-2221.	5.5	86
8	A facile and cost-effective synthesis of mesoporous NiCo ₂ O ₄ nanoparticles and their capacitive behavior in electrochemical capacitors. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3621-3633.	1.2	81
9	Facile synthesis of mesoporous MnO ₂ microspheres for high performance AC//MnO ₂ aqueous hybrid supercapacitors. <i>Electrochimica Acta</i> , 2013, 108, 497-505.	2.6	79
10	Suppression of PF ₆ ⁻ intercalation into graphite by small amounts of ethylene carbonate in activated carbon/graphite capacitors. <i>Chemical Communications</i> , 2010, 46, 1544.	2.2	65
11	A DNA Tetrahedron Nanoprobe with Controlled Distance of Dyes for Multiple Detection in Living Cells and in Vivo. <i>Analytical Chemistry</i> , 2017, 89, 6670-6677.	3.2	64
12	Novel bifunctional thiourea-ammonium salt catalysts derived from amino acids: application to highly enantio- and diastereoselective aza-Henry reaction. <i>Tetrahedron</i> , 2013, 69, 5104-5111.	1.0	62
13	Dipeptide-Derived Multifunctional Quaternary Phosphonium Salt Catalyzed Asymmetric Cyclizations via a Tandem Michael Addition/S _N ₂ Sequence. <i>Chemistry - A European Journal</i> , 2015, 21, 9998-10002.	1.7	62
14	Facile preparation and performance of mesoporous manganese oxide for supercapacitors utilizing neutral aqueous electrolytes. <i>RSC Advances</i> , 2012, 2, 3298.	1.7	61
15	Dual-targeted photothermal agents for enhanced cancer therapy. <i>Chemical Science</i> , 2020, 11, 8055-8072.	3.7	60
16	Enantioselective Michael Addition of Malonates to Chalcone Derivatives Catalyzed by Dipeptide-derived Multifunctional Phosphonium Salts. <i>Journal of Organic Chemistry</i> , 2016, 81, 9973-9982.	1.7	56
17	A Dual-Targeted Organic Photothermal Agent for Enhanced Photothermal Therapy. <i>Angewandte Chemie</i> , 2019, 131, 1069-1073.	1.6	53
18	Asymmetric Strecker Reactions Catalyzed by Thiourea Phosphonium and Ammonium Salts. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1819-1824.	2.1	52

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19	Enantioselective Construction of Spirocyclic Oxindoles via Tandem Michael/Michael Reactions Catalyzed by Multifunctional Quaternary Phosphonium Salt. <i>Journal of Organic Chemistry</i> , 2016, 81, 10558-10568.	1.7	51
20	Visible light-induced cyclization reactions for the synthesis of 1,2,4-triazolines and 1,2,4-triazoles. <i>Chemical Communications</i> , 2017, 53, 9644-9647.	2.2	51
21	Profiles and α -Amylase Inhibition Activity of Proanthocyanidins in Unripe <i>Manilkara zapota</i> (Chiku). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3098-3104.	2.4	50
22	Nuclear-targeted siRNA delivery for long-term gene silencing. <i>Chemical Science</i> , 2017, 8, 2816-2822.	3.7	48
23	Directing-group-free catalytic dicarbofunctionalization of unactivated alkenes. <i>Nature Chemistry</i> , 2022, 14, 188-195.	6.6	48
24	Improved performance in micron-sized silicon anodes by in situ polymerization of acrylic acid-based slurry. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16982-16991.	5.2	47
25	Dual-Ratiometric Fluorescent Nanoprobe for Visualizing the Dynamic Process of pH and Superoxide Anion Changes in Autophagy and Apoptosis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27512-27521.	4.0	47
26	Bifunctional Ion Pair Catalysts from Chiral α -Amino Acids. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1111-1119.	2.6	46
27	Effect of surface modification on electrochemical performance of nano-sized Si as an anode material for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 34715-34723.	1.7	45
28	Asymmetric Intermolecular Rauhut-Currier Reaction for the Construction of 3,3-Disubstituted Oxindoles with Quaternary Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3934-3939.	2.1	42
29	Chiral Phase-Transfer Catalysts with Hydrogen Bond: A Powerful Tool in the Asymmetric Synthesis. <i>Catalysts</i> , 2019, 9, 244.	1.6	41
30	Flame-Retardant Electrolyte Solution for Dual-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 1363-1370.	2.5	41
31	Anatase TiO_2 as a Na ⁺ -Storage Anode Active Material for Dual-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30453-30459.	4.0	40
32	Fluorene-9-bisphenol exposure induces cytotoxicity in mouse oocytes and causes ovarian damage. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 168-178.	2.9	37
33	Porous NiCo_2O_4 as an anode material for 4.5 V hybrid Li-ion capacitors. <i>RSC Advances</i> , 2013, 3, 12581.	1.7	35
34	Hydrothermal and soft-templating synthesis of mesoporous NiCo_2O_4 nanomaterials for high-performance electrochemical capacitors. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 903-910.	1.5	35
35	Enantioselective Mannich-Type Reactions to Construct Trifluoromethylthio-Containing Tetrasubstituted Carbon Stereocenters via Asymmetric Dual-Reagent Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2942-2948.	2.1	33
36	Synergetic Effect of Ethyl Methyl Carbonate and Trimethyl Phosphate on BF_4^- Intercalation into a Graphite Electrode. <i>Langmuir</i> , 2019, 35, 3972-3979.	1.6	32

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37	Visualizing the Conversion Process of Alcohol-Induced Fatty Liver to Steatohepatitis in Vivo with a Fluorescent Nanoprobe. <i>Analytical Chemistry</i> , 2017, 89, 6196-6201.	3.2	30
38	Fluorescence and photoacoustic dual-mode imaging of tumor-related mRNA with a covalent linkage-based DNA nanoprobe. <i>Chemical Communications</i> , 2018, 54, 3656-3659.	2.2	30
39	Olefin functionalization/isomerization enables stereoselective alkene synthesis. <i>Nature Catalysis</i> , 2021, 4, 674-683.	16.1	30
40	A facile hard-templating synthesis of mesoporous spinel CoFe_2O_4 nanostructures as promising electrocatalysts for the H_2O_2 reduction reaction. <i>RSC Advances</i> , 2014, 4, 1754-1760.	1.7	28
41	Ethylmethyl Carbonate's Role in Hexafluorophosphate Storage in Graphite Electrodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 8031-8038.	2.5	28
42	Catalytic Regioselective Olefin Hydroarylation(alkenylation) by Sequential Carbonickelation-Hydride Transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 9498-9506.	6.6	28
43	Engaging α -Fluorocarboxylic Acids Directly in Decarboxylative C-C Bond Formation. <i>ACS Catalysis</i> , 2020, 10, 4451-4459.	5.5	27
44	Characterization of Proanthocyanidins in Stems of <i>Polygonum multiflorum</i> Thunb as Strong Starch Hydrolase Inhibitors. <i>Molecules</i> , 2013, 18, 2255-2265.	1.7	26
45	Enantioselective desymmetrization of meso-aziridines with aromatic thiols catalyzed by chiral bifunctional quaternary phosphonium salts derived from α -amino acids. <i>Tetrahedron</i> , 2015, 71, 1785-1791.	1.0	26
46	$\text{MoS}_2/\text{C}/\text{graphite}$, an electric energy storage device using Na^+ -based organic electrolytes. <i>RSC Advances</i> , 2015, 5, 15431-15437.	1.7	25
47	Hierarchical porous NiCo_2O_4 nanomaterials with excellent cycling behavior for electrochemical capacitors via a hard-templating route. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 1033-1043.	1.5	24
48	Starch Hydrolase Inhibitors from Edible Plants. <i>Advances in Food and Nutrition Research</i> , 2013, 70, 103-136.	1.5	23
49	Microbial fuel cells and microbial electrolysis cells for the production of bioelectricity and biomaterials. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1915-1928.	1.2	21
50	Enantioselective direct Mannich reaction of functionalized acetonitrile to N -Boc imines catalyzed by quaternary phosphonium catalysis. <i>Tetrahedron</i> , 2017, 73, 2349-2358.	1.0	21
51	Anion Intercalation into a Graphite Electrode from Trimethyl Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47647-47654.	4.0	21
52	Cotton-assisted preparation of mesoporous manganese oxide for supercapacitors. <i>RSC Advances</i> , 2012, 2, 6741.	1.7	20
53	Dipeptide-derived multifunctional phosphonium salt as a catalyst to synthesize highly functionalized chiral cyclopentanes. <i>Tetrahedron</i> , 2016, 72, 4141-4150.	1.0	20
54	Asymmetric cyclizations via a sequential Michael addition/Conia-ene reaction by combining multifunctional quaternary phosphonium salt and silver catalysis. <i>Tetrahedron</i> , 2019, 75, 2706-2716.	1.0	20

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55	Tackling the Interfacial Issues of Spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ by Room-Temperature Spontaneous Dediazonation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13264-13272.	4.0	20
56	Anion Storage Behavior of Graphite Electrodes in LiBF_4 /Sulfone/Ethyl Methyl Carbonate Solutions. <i>Langmuir</i> , 2019, 35, 14804-14811.	1.6	19
57	Gold-Catalyzed Intramolecular Dearomatization of Phenols with Allenates for the Synthesis of Spirocyclohexadienones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2352-2357.	2.1	18
58	Facile fabrication of mesoporous manganese oxides as advanced electrode materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2579-2588.	1.2	17
59	Nanocarriers with multi-locked DNA valves targeting intracellular tumor-related mRNAs for controlled drug release. <i>Nanoscale</i> , 2017, 9, 17318-17324.	2.8	17
60	<i>N</i> -Heterocyclic Carbene-Nickel-Catalyzed Regioselective Diarylation of Aliphatic-1,3-Dienes. <i>ACS Catalysis</i> , 2022, 12, 724-732.	5.5	16
61	An endoplasmic reticulum-targeted organic photothermal agent for enhanced cancer therapy. <i>Chinese Chemical Letters</i> , 2022, 33, 793-797.	4.8	15
62	Hydrogen bond directed aerobic oxidation of amines <i>via</i> photoredox catalysis. <i>Chemical Communications</i> , 2018, 54, 10989-10992.	2.2	14
63	A self-assembly of an active tumor-targeted photothermal agent for enhanced anti-inflammatory cancer therapy. <i>Nanoscale</i> , 2019, 11, 18021-18025.	2.8	14
64	Investigation of the influence of blade configuration on the hemodynamic performance and blood damage of the centrifugal blood pump. <i>Artificial Organs</i> , 2022, 46, 1817-1832.	1.0	13
65	A micro-sized Si-CNT anode for practical application <i>via</i> a one-step, low-cost and green method. <i>RSC Advances</i> , 2017, 7, 54844-54851.	1.7	12
66	PF_6^- Intercalation into Graphite Electrode from Propylene Carbonate. <i>ACS Applied Energy Materials</i> , 2021, 4, 2181-2189.	2.5	12
67	Regioselective intramolecular Markovnikov and anti-Markovnikov hydrofunctionalization of alkenes <i>via</i> photoredox catalysis. <i>Chemical Communications</i> , 2019, 55, 11426-11429.	2.2	11
68	Enantioselective Vinyllogous Mannich-Type Reactions to Construct CF ₃ -Containing Stereocenters Catalysed by Chiral Quaternary Phosphonium Salts. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1851-1857.	2.1	11
69	Directing group-free approaches for three-component catalytic dicarbofunctionalization of unactivated alkenes. <i>Cell Reports Physical Science</i> , 2022, 3, 100901.	2.8	11
70	A developed technique for measuring water content in oil-contaminated porous media. <i>Environmental Earth Sciences</i> , 2014, 71, 1349-1356.	1.3	10
71	Phenolic group on A-ring is key for dracoflavan B as a selective noncompetitive inhibitor of α -amylase. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7641-7649.	1.4	10
72	Carbon nano-beads collected from candle soot as an anode material with a highly pseudocapacitive Na^+ storage capability for dual-ion batteries. <i>Ionics</i> , 2020, 26, 4533-4542.	1.2	9

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73	Intercalation Behavior of Tetrafluoroborate Anion in a Graphite Electrode from Mixed Cyclic Carbonates. ACS Applied Energy Materials, 2021, 4, 737-744.	2.5	9
74	Hexafluorophosphate Intercalation into the Graphite Electrode from Mixed Cyclic Carbonates. ACS Applied Energy Materials, 2021, 4, 5316-5325.	2.5	9
75	An efficient strategy for cancer therapy using a tumor- and lysosome-targeted organic photothermal agent. Nanoscale, 2021, 13, 8790-8794.	2.8	9
76	A New Mathematical Numerical Model to Evaluate the Risk of Thrombosis in Three Clinical Ventricular Assist Devices. Bioengineering, 2022, 9, 235.	1.6	9
77	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
78	Curvature of Buckybowl Corannulene Enhances Its Binding to Proteins. Journal of Physical Chemistry C, 2019, 123, 922-930.	1.5	8
79	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
80	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
81	Nanofiber membrane based on ionic liquids as high-performance polymer electrolyte for sodium electrochemical device. Ionics, 2013, 19, 1595-1602.	1.2	7
82	Exploring the effects and mechanisms of carbon nanomaterial diversity on the morphology of lysozyme crystals. CrystEngComm, 2017, 19, 5873-5881.	1.3	7
83	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
84	Intercalation of Tetrafluoroborate Anions into Graphite Electrodes from Mixed Sulfones. ACS Applied Energy Materials, 2022, 5, 2366-2374.	2.5	6
85	Hexafluorophosphate Anion Intercalation into Graphite Electrodes from Propylene Carbonate/Gamma-Butyrolactone Solutions. Langmuir, 2021, 37, 10797-10805.	1.6	5
86	Enantioselectivity switch in asymmetric Michael addition reactions using phosphonium salts. Organic and Biomolecular Chemistry, 2021, 19, 6334-6340.	1.5	2
87	White Latex: Appealing "Green" Alternative for PVdF in Electrode Manufacturing for Sustainable Li-Ion Batteries. Langmuir, 0, , .	1.6	2
88	Research and Design of Extension Case Base Based on CBR. , 2009, , .		1
89	Effects of mPEG-DSPE/corannulene or perylene nanoparticles on the ovary and oocyte. RSC Advances, 2020, 10, 16972-16981.	1.7	0
90	Asymmetric Dieckmann Condensation towards Spirocyclic Oxindoles Catalyzed by Amino Acid-derived Phosphonium Salt. Advanced Synthesis and Catalysis, 0, , .	2.1	0

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91	Hierarchical Intercalation of Spiro-bipyrrolidinium Cation into Graphite Electrode from Propylene Carbonate. Chemistry Letters, 2022, 51, 508-510.	0.7	0
92	An active tumor-targeting organic photochemotherapy agent with naproxen for enhanced cancer therapy. Chemical Communications, 0, , .	2.2	0