

Zhonglin Wei

List of Publications by Year in descending order

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times ranked

1003
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#	ARTICLE	IF	CITATIONS
1	Gold Nanoparticle Enantiomers and Their Chiral-Morphology Dependence of Cellular Uptake. <i>CCS Chemistry</i> , 2022, 4, 660-670.	4.6	39
2	An L-tert-leucine derived urea catalyzed asymmetric synthesis of acyclic N, N ² -ketals derived from aryl amines and isatin-derived ketimines. <i>Tetrahedron</i> , 2022, 103, 132206.	1.0	1
3	Asymmetric Aza-Friedel-Crafts Reaction of Isatin-Derived Ketimines with Indoles Catalyzed by a Chiral Phase-Transfer Catalyst. <i>Journal of Organic Chemistry</i> , 2022, 87, 2532-2542.	1.7	11
4	Facile Preparation of Chitosan-modified Mesoporous Titanium Dioxide Film on Fused-silica Capillary for Selective Enrichment of Phosphopeptides. <i>ChemNanoMat</i> , 2022, 8, .	1.5	1
5	Product Identification and Mechanism Exploration of Organic Electrosynthesis Using on-line Electrochemistry-Mass Spectrometry. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 116459.	1.9	0
6	Brønsted Acid-Promoted Cyclodimerization of Indolyl Ketones: Construction of Indole Fused-Oxabicyclo[3.3.1]nonane and -Cyclooctatetraene Ring Systems. <i>Organic Letters</i> , 2021, 23, 166-171.	2.4	3
7	Controllable Lewis Base Catalyzed Michael Addition of β -Amino Nitriles to Activated Alkenes: Facile Synthesis of Functionalized β -Amino Acid Esters and β -Lactams. <i>Synthesis</i> , 2021, 53, 1833-1841.	1.2	2
8	Synthesis of optically active 2-amino-1-benzyl-2,5-dioxo-5H-spiro[indeno[1,2-b]pyran-4,3-indoline]-3-carbonitriles catalyzed by a bifunctional squaramide derived from quinine. <i>New Journal of Chemistry</i> , 2021, 45, 2609-2613.	1.4	4
9	β -Iminol Rearrangement Triggered by Pd-Catalyzed C-H Addition to Nitriles Sequences: Synthesis of Functionalized β -Amino Cyclopentanones. <i>Organic Letters</i> , 2021, 23, 1021-1025.	2.4	12
10	Novel Chiral Thiourea Derived from Hydroquinine and <i>l</i> -Phenylglycinol: An Effective Catalyst for Enantio- and Diastereoselective Aza-Henry Reaction. <i>ACS Omega</i> , 2021, 6, 5812-5824.	1.6	7
11	Tyrosine-Reactive Cross-Linker for Probing Protein Three-Dimensional Structures. <i>Analytical Chemistry</i> , 2021, 93, 4434-4440.	3.2	17
12	Copper-Catalyzed Difluoroalkylation of Alkene/Nitrile Insertion/Cyclization Tandem Sequences: Construction of Difluorinated Bicyclic Amidines. <i>Organic Letters</i> , 2021, 23, 9591-9596.	2.4	11
13	Preparation of nanofiber aerogels by electrospinning and studying of its adsorption properties for heavy-metal and dyes. <i>Journal of Porous Materials</i> , 2020, 27, 1589-1599.	1.3	5
14	Enantioselective addition of thiols to trifluoromethyl ketimines: synthesis of <i>N,S</i> -ketals. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7431-7436.	1.5	6
15	An acidic residue reactive and disulfide bond-containing cleavable cross-linker for probing protein 3D structures based on electrochemical mass spectrometry. <i>Talanta</i> , 2020, 216, 120964.	2.9	3
16	Asymmetric synthesis of spirooxindole-pyranoindole products <i>via</i> Friedel-Crafts alkylation/cyclization of the indole carbocyclic ring. <i>New Journal of Chemistry</i> , 2020, 44, 9788-9792.	1.4	12
17	Synthesis of 4-Azaindolines Using Phase-Transfer Catalysis via an Intramolecular Mannich Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 4047-4057.	1.7	13
18	CF ₃ SO ₂ Na as a Bifunctional Reagent: Electrochemical Trifluoromethylation of Alkenes Accompanied by SO ₂ Insertion to Access Trifluoromethylated Cyclic N-Sulfonylimines. <i>Angewandte Chemie</i> , 2020, 132, 7333-7337.	1.6	18

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19	CF ₃ SO ₂ Na as a Bifunctional Reagent: Electrochemical Trifluoromethylation of Alkenes Accompanied by SO ₂ Insertion to Access Trifluoromethylated Cyclic N-Sulfonylimines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7266-7270.	7.2	69
20	An enantioselective aza-Henry reaction of trifluoromethyl ketimines catalyzed by phase-transfer catalysts. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3269-3273.	2.3	12
21	Highly Enantioselective Synthesis of Acyclic <i>N,N</i> -Acetals by Chiral Urea Derived from Quinine Catalyzed the Addition of Aryl Amines to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2019, 21, 5719-5724.	2.4	15
22	Novel and effective strategy for producing NiFe alloy fibers with tunable microwave absorption performance. <i>Materialia</i> , 2019, 8, 100495.	1.3	4
23	Novel chiral proline-based organocatalysts with amide and thiourea-amine units for highly efficient asymmetric aldol reaction in saturated brine without additives. <i>Canadian Journal of Chemistry</i> , 2019, 97, 352-359.	0.6	3
24	The asymmetric vinylogous Mannich reaction of noncyclic dicyanoolefins catalyzed by a bifunctional thiourea-ammonium salt phase transfer catalyst. <i>New Journal of Chemistry</i> , 2019, 43, 10012-10016.	1.4	3
25	Construction of highly fluorescent N-O seven-membered heterocycles via thermo-oxidation of oxazolidines. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8045-8052.	2.7	10
26	Approach to 2-(Dialkylamino)-1-alkyl-4H-spiro[indoline-3,5-oxazole]-2,4-diones and 1,3-Oxazin-4-ones via Cyclization of Vilsmeier Salts with \pm -Hydroxy and β -Carbonyl Amides. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 216-220.	1.3	1
27	Disulfide linkage assignment based on reducing electrochemistry and mass spectrometry using a lead electrode. <i>Talanta</i> , 2019, 199, 643-651.	2.9	8
28	L-tert-Leucine derived urea-ammonium salts: Efficient bifunctional phase transfer catalysts for highly diastereo- and enantioselective aza-Henry reaction of isatin-derived N-Boc ketimines with \pm -aryl nitromethanes. <i>Tetrahedron</i> , 2019, 75, 2883-2892.	1.0	9
29	Structural characterization of octreotide impurities by on-line electrochemistry-tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 18-25.	0.7	7
30	Role of Adamantane Amide Based on L-Proline Double-H Potential Organocatalyst in Aldol Reaction with Product Separated via Host-guest Interaction. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 180-185.	1.3	4
31	Bifunctional Thiourea-Ammonium Salt Catalysts Derived from Cinchona Alkaloids: Cooperative Phase-Transfer Catalysts in the Enantioselective Aza-Henry Reaction of Ketimines. <i>Journal of Organic Chemistry</i> , 2018, 83, 1486-1492.	1.7	32
32	Diastereo- and enantioselective nitro-Mannich reaction of isatin-derived <i>N</i> -Boc ketimines catalyzed by chiral phase-transfer catalysts. <i>New Journal of Chemistry</i> , 2018, 42, 1608-1611.	1.4	8
33	Luminescent Rhodamine 6G/silica hybrid nanofibers with potential temperature sensing ability. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 40-45.	1.5	2
34	An efficient proline-based homogeneous organocatalyst with recyclability. <i>New Journal of Chemistry</i> , 2018, 42, 827-831.	1.4	12
35	Direct enantio- and diastereoselective Mannich reactions of isatin-derived ketimines with oxo-indanecarboxylates catalyzed by chiral thiourea derived from hydroquinidine. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8927-8932.	1.5	6
36	Characteristic b ₂ -CO ₂ ions formed by an N-terminal deuterohemin containing histidine peptide under low-energy collision-induced dissociation. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 246-250.	0.7	0

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37	Highly enantioselective aza-henry reaction of ketimines catalyzed by a chiral bifunctional thiourea-tertiary amine derived from quinine. <i>Tetrahedron Letters</i> , 2018, 59, 4371-4375.	0.7	8
38	Chiral Phase-transfer Catalysts Bearing Multiple Hydrogen-bonding Donors Derived from Amino Acids: Efficient Catalysts for Diastereo- and Enantioselective Nitro-Mannich Reaction. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 333-337.	1.3	1
39	Surface Properties and Etherification in Microemulsion Systems of Novel Brønsted Acid Surfactants. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 440-443.	1.3	0
40	Preparation of prolinamide with adamantane for aldol reaction catalysis in brine and separation using a poly(AN-MA- β -CD) nanofibrous film via host-guest interaction. <i>RSC Advances</i> , 2018, 8, 28376-28385.	1.7	3
41	Enantio- and Diastereoselective Nitro-Mannich Reaction of β -Aryl Nitromethanes with Amidosulfones Catalyzed by Phase-Transfer Catalysts. <i>Journal of Organic Chemistry</i> , 2017, 82, 4668-4676.	1.7	24
42	Asymmetric phase-transfer catalysts bearing multiple hydrogen-bonding donors: Synthesis and application in nitro-Mannich reaction of isatin-derived N-Boc ketimines. <i>Tetrahedron Letters</i> , 2017, 58, 2400-2403.	0.7	19
43	Highly enantioselective nitro-Mannich reaction of ketimines under phase-transfer catalysis. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1266-1271.	2.3	33
44	Condensation of Vilsmeier Salts, Derived from Tetraalkylureas, with β -Hydroxy Amide Derivatives: One-pot Approach to Synthesize 2-Dialkylamino-2-oxazolin-4-ones. <i>Chemistry Letters</i> , 2017, 46, 249-252.	0.7	2
45	Novel β -amino acid-derived phase-transfer catalyst application to a highly enantio- and diastereoselective nitro-Mannich reaction. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9234-9242.	1.5	13
46	Bifunctional Phase-Transfer Catalysts Catalyzed Diastereo- and Enantioselective Aza-Henry Reaction of β -Unsaturated Nitroalkenes With Amidosulfones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4111-4116.	2.1	15
47	Excellent flexibility of high-temperature-treated SiO ₂ -TiO ₂ hybrid fibres and their enhanced luminescence with Eu ³⁺ doping. <i>Ceramics International</i> , 2017, 43, 12710-12717.	2.3	10
48	Thermally stable hydrophobicity in electrospun silica/polydimethylsiloxane hybrid fibers. <i>Applied Surface Science</i> , 2017, 392, 260-267.	3.1	18
49	Optimization of Hybrid Filler in Thermally Conductive Composite Formation. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 502-507.	0.4	0
50	Metal-free oxidative cascade cyclization of isocyanides with thiols: a new pathway for constructing 6-aryl(alkyl)thiophenanthridines. <i>Tetrahedron Letters</i> , 2016, 57, 2410-2413.	0.7	20
51	Investigation of c ions formed by N-terminally charged peptides upon collision-induced dissociation. <i>Journal of Mass Spectrometry</i> , 2016, 51, 989-997.	0.7	3
52	Base-Promoted Intermolecular Cyclization of Substituted 3-Aryl(Heteroaryl)-3-chloroacrylaldehydes and Tetrahydroisoquinolines: An Approach to Access Pyrrolo[2,1- <i>a</i>]isoquinolines. <i>Journal of Organic Chemistry</i> , 2016, 81, 11950-11955.	1.7	29
53	Kinetic Control of Rh(III)-Catalyzed Annulation of C-H Bonds with Quinones: Chemoselective Synthesis of Hydrophenanthridinones and Phenanthridinones. <i>Journal of Organic Chemistry</i> , 2016, 81, 1675-1680.	1.7	41
54	Structure and further fragmentation of significant [a ₃ +Na ⁺] ⁺ ions from sodium-cationized peptides. <i>Journal of Mass Spectrometry</i> , 2015, 50, 212-219.	0.7	3

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55	Structural identification of neopanaxadiol metabolites in rats by ultraperformance liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 283-294.	0.7	5
56	Characteristic neutral loss of CH ₃ CHO from Thr-containing sodium-associated peptides. <i>Journal of Mass Spectrometry</i> , 2015, 50, 488-494.	0.7	8
57	A New Class of Squaramide-Containing Phase-Transfer Catalysts: Application to Asymmetric Fluorination of β -Keto Esters. <i>Synlett</i> , 2015, 26, 2588-2592.	1.0	21
58	Tissue distribution and excretion study of neopanaxadiol in rats by ultra-performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2015, 29, 333-340.	0.8	3
59	Asymmetric Phase-Transfer Catalysts Bearing Multiple Hydrogen-Bonding Donors: Highly Efficient Catalysts for Enantio- and Diastereoselective Nitro-Mannich Reaction of Amidosulfones. <i>Organic Letters</i> , 2014, 16, 6432-6435.	2.4	59
60	Investigation of bn-44 Peptide Fragments Using High Resolution Mass Spectrometry and Isotope Labeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 2116-2124.	1.2	3
61	Synthesis, photophysical properties and TD-DFT calculation of fluorescent dyes based on pyrenylthiazoles. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 4-8.	1.3	2
62	Electrospun silica/naftion hybrid products: mechanical property improvement, wettability tuning and periodic structure adjustment. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16569-16576.	5.2	18
63	Using Tâ€“Hgâ€“T and Câ€“Agâ€“T: a four-input dual-core molecular logic gate and its new application in cryptography. <i>RSC Advances</i> , 2014, 4, 5363.	1.7	14
64	Condensation of Vilsmeier salts, derived from tetraalkylureas, with amidoximes: a novel approach to access N,N-dialkyl-1,2,4-oxadiazol-5-amines. <i>Tetrahedron Letters</i> , 2013, 54, 6959-6963.	0.7	12
65	A Novel Multicomponent Tandem Phosphine-Catalyzed Umpolung Reaction: Facile Access to Highly Functionalized β -Aminonitriles. <i>Synthesis</i> , 2012, 44, 1849-1853.	1.2	4
66	An efficient method to prepare 4-aminopyrimidines: Potential application to conformationally restricted bleomycin analogs. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 1425-1429.	1.4	7
67	An Efficient and Regiospecific Strategy to N7-Substituted Purines and Its Application to a Library of Trisubstituted Purines. <i>ACS Combinatorial Science</i> , 2006, 8, 410-416.	3.3	19
68	A novel intramolecular Diels-Alder cyclization involving indoloazepines. <i>Tetrahedron Letters</i> , 2005, 46, 3529-3532.	0.7	3
69	Parallel Solution-Phase Synthesis of a 2,6,8,9-Tetrasubstituted Purine Library via a Sulfur Intermediate. <i>ACS Combinatorial Science</i> , 2005, 7, 627-636.	3.3	22
70	A Novel Intramolecular Diels-Alder Cyclization Involving Indoloazepines.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
71	Synthesis of Tricyclic 4-Chloro-pyrimido[4,5-b][1,4]benzodiazepines.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
72	Preparation of a Fully Substituted Purine Library. <i>ACS Combinatorial Science</i> , 2005, 7, 474-482.	3.3	37

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73	Synthesis of Tricyclic 4-Chloro-pyrimido[4,5-b][1,4]benzodiazepines. <i>Organic Letters</i> , 2005, 7, 1541-1543.	2.4	58
74	Asymmetric Synthesis of 3-Phenyl-2,3-dihydro-1H-pyrrolo[3,2-b]pyridine-3-carbonitriles Catalyzed by Phase-Transfer Catalyst Derived from tert-Leucine. <i>Synlett</i> , 0, 32, .	1.0	0
75	Palladium-catalyzed direct construction of oxazoline-containing polycyclic scaffolds via tandem addition/cyclization of nitriles and arylboronic acids. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	3
76	Chiral Urea-Catalyzed Asymmetric Mannich Reaction of 3-Fluorooxindoles with $\hat{1}\pm$ -Amidosulfones: Synthesis of Optically Active $\hat{1}\pm$ -Fluoro- $\hat{1}^2$ -amino-oxindoles. <i>Synlett</i> , 0, 33, .	1.0	0