

Gang Zhao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spiro-Oxindole Skeleton Compounds Are Efficient Inhibitors for Indoleamine 2,3-Dioxygenase 1: An Attractive Target for Tumor Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4668.	4.1	3
2	Electrochemical Sensing of Ascorbate as an Index of Neuroprotection from Seizure Activity by Physical Exercise in Freely Moving Rats. <i>ACS Sensors</i> , 2021, 6, 546-552.	7.8	10
3	Dexamethasone prodrug nanomedicine (ZSJ-0228) treatment significantly reduces lupus nephritis in mice without measurable side effects " A 5-month study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 31, 102302.	3.3	7
4	Enantioselectivity switch in asymmetric Michael addition reactions using phosphonium salts. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6334-6340.	2.8	2
5	Thermoresponsive Hydrogel-Based Local Delivery of Simvastatin for the Treatment of Periodontitis. <i>Molecular Pharmaceutics</i> , 2021, 18, 1992-2003.	4.6	22
6	Participation of the Anterior Cingulate Cortex in Sodium Salicylate-induced Tinnitus. <i>Otology and Neurotology</i> , 2021, 42, e1134-e1142.	1.3	3
7	Asymmetric Synthesis of 2,2-Difluorotetrahydrofurans through Palladium-Catalyzed Formal [3+2] Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23641-23645.	13.8	30
8	Thermoresponsive polymeric dexamethasone prodrug for arthritis pain. <i>Journal of Controlled Release</i> , 2021, 339, 484-497.	9.9	22
9	<i>N</i> -Protecting group tuning of the enantioselectivity in Strecker reactions of trifluoromethyl ketimines to synthesize quaternary $\hat{\pm}$ -trifluoromethyl amino nitriles by ion pair catalysis. <i>Chemical Communications</i> , 2020, 56, 1581-1584.	4.1	17
10	A novel quaternary ammonium salts derived from $\hat{\pm}$ -amino acids with large steric hindrance group and its application in asymmetric Mannich reaction. <i>Tetrahedron</i> , 2020, 76, 131484.	1.9	4
11	Enantioselective Michael Addition Reactions to Construct SCF ₃ -Containing Stereocenter Catalyzed by Chiral Quaternary Phosphonium Salts. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5765-5771.	4.3	4
12	Electrochemically Probing Dynamics of Ascorbate during Cytotoxic Edema in Living Rat Brain. <i>Journal of the American Chemical Society</i> , 2020, 142, 19012-19016.	13.7	43
13	Highly porous and thermally stable tribopositive hybrid bimetallic cryogel to boost up the performance of triboelectric nanogenerators. <i>International Journal of Energy Research</i> , 2020, 44, 8442-8454.	4.5	22
14	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.	4.3	11
15	Structural optimization of HPMA copolymer-based dexamethasone prodrug for improved treatment of inflammatory arthritis. <i>Journal of Controlled Release</i> , 2020, 324, 560-573.	9.9	22
16	Efficacy of a Chinese herbal formula on hepatitis B e antigen-positive chronic hepatitis B patients. <i>World Journal of Gastroenterology</i> , 2020, 26, 4501-4522.	3.3	4
17	Bifunctional Ion Pair Catalysts from Chiral $\hat{\pm}$ -Amino Acids. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1111-1119.	4.9	46
18	Asymmetric Total Synthesis of Vincadifformine Enabled by a Thiourea-Phosphonium Salt Catalyzed Mannich-Type Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 6306-6310.	3.3	19

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19	A Macromolecular Janus Kinase (JAK) Inhibitor Prodrug Effectively Ameliorates Dextran Sulfate Sodium-Induced Ulcerative Colitis in Mice. <i>Pharmaceutical Research</i> , 2019, 36, 64.	3.5	9
20	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.	1.9	20
21	Highly enantioselective 1,3-dipolar cycloaddition of imino esters with benzofuranone derivatives catalyzed by thiourea ⁺ quaternary ammonium salt. <i>Tetrahedron</i> , 2018, 74, 7485-7494.	1.9	23
22	Development of a Janus Kinase Inhibitor Prodrug for the Treatment of Rheumatoid Arthritis. <i>Molecular Pharmaceutics</i> , 2018, 15, 3456-3467.	4.6	20
23	Bone-targeting liposome formulation of Salvianic acid A accelerates the healing of delayed fracture Union in Mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2271-2282.	3.3	30
24	Glucocorticoid-induced delayed fracture healing and impaired bone biomechanical properties in mice. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 1465-1474.	2.9	38
25	Enantioselective direct Mannich reactions of 3-substituted oxindoles catalyzed by chiral phosphine via dual-reagent catalysis. <i>Tetrahedron</i> , 2018, 74, 4134-4144.	1.9	21
26	Bifunctional Quaternary Ammonium Salts Catalyzed Stereoselective Conjugate Addition of Oxindoles to Electron-Deficient I ² -Haloalkenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 4840-4850.	3.2	20
27	Enantioselective Mannich ⁺ Type Reactions to Construct Trifluoromethylthio ⁺ Containing Tetrasubstituted Carbon Stereocenters <i>via</i> Asymmetric Dual ⁺ Reagent Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2942-2948.	4.3	33
28	Asymmetric Strecker Reactions Catalyzed by Thiourea Phosphonium and Ammonium Salts. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1819-1824.	4.3	52
29	Enantioselective direct Mannich reaction of functionalized acetonitrile to N-Boc imines catalyzed by quaternary phosphonium catalysis. <i>Tetrahedron</i> , 2017, 73, 2349-2358.	1.9	21
30	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.	4.3	42
31	Dual-reagent organophosphine catalyzed asymmetric Mannich reactions of isocyanoacetates with N-Boc-aldimines. <i>Tetrahedron</i> , 2017, 73, 5983-5992.	1.9	18
32	Effective asymmetric vinylogous Mannich reaction of isatin imines with \hat{L}^{\pm} , \hat{L}^{\pm} -dicyanoolefins in the presence of a simple chiral amide phosphonium bifunctional phase transfer catalyst. <i>Organic Chemistry Frontiers</i> , 2017, 4, 101-114.	4.5	48
33	Asymmetric \hat{L}^{\pm} -amination of 3-substituted oxindoles using chiral bifunctional phosphine catalysts. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 725-731.	2.2	16
34	O-Difluoromethylation of 1,3-diones with S-difluoromethyl sulfonium salt. <i>RSC Advances</i> , 2016, 6, 35705-35708.	3.6	21
35	Trifluoromethylation of haloarenes with a new trifluoro-methylating reagent Cu(O ₂ CCF ₂ SO ₂ F) ₂ . <i>RSC Advances</i> , 2016, 6, 50250-50254.	3.6	24
36	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.	3.2	56

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37	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.	3.2	51
38	Difluoromethylation of N-arylsulfonyl hydrazones with difluorocarbene leading to difluoromethyl aryl sulfones. <i>RSC Advances</i> , 2016, 6, 82298-82300.	3.6	7
39	Efficient Synthesis of Isoquinolines by AgNO ₃ -Catalyzed Sequential Imination-Annulation of α -Alkynyl Aldehydes with Ammonium Bicarbonate. <i>Chinese Journal of Chemistry</i> , 2016, 34, 857-860.	4.9	15
40	Thiourea-Quaternary Ammonium Salt Catalyzed Asymmetric 1, 3-Dipolar Cycloaddition of Imino Esters To Construct Spiro[pyrrolidin-3,3-oxindoles]. <i>Organic Letters</i> , 2016, 18, 4774-4777.	4.6	65
41	Amide-Phosphonium Salt as Bifunctional Phase Transfer Catalyst for Asymmetric 1,6-Addition of Malonate Esters to <i>para</i> -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2016, 81, 9315-9325.	3.2	85
42	Total Synthesis of Gelsedilam by Means of a Thiol-Mediated Diastereoselective Conjugate Addition-Aldol Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 18339-18342.	3.3	15
43	Asymmetric cyanation of imines via dipeptide-derived organophosphine dual-reagent catalysis. <i>Nature Communications</i> , 2016, 7, 12720.	12.8	66
44	Dipeptide-derived multifunctional phosphonium salt as a catalyst to synthesize highly functionalized chiral cyclopentanes. <i>Tetrahedron</i> , 2016, 72, 4141-4150.	1.9	20
45	β , γ -Substituent effect of dialkylphosphinic acids on lanthanide extraction. <i>RSC Advances</i> , 2016, 6, 56004-56008.	3.6	16
46	Hydroperfluoroalkylation of electron-deficient olefins with perfluoroalkyl iodides promoted by zinc/viologen. <i>RSC Advances</i> , 2016, 6, 60080-60083.	3.6	9
47	CuI-catalyzed domino reactions for the synthesis of benzoxazine-fused isoquinolines under microwave irradiation. <i>Synthetic Communications</i> , 2016, 46, 355-360.	2.1	17
48	Reagent-Controlled Tandem Reactions of Vinyl Epoxides: Access to Functionalized β -Butenolides. <i>Organic Letters</i> , 2016, 18, 1450-1453.	4.6	27
49	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.	3.3	62
50	Improving supercapacitor performance of alkylated graphene nanosheets via partial fluorination on their alkyl chains. <i>RSC Advances</i> , 2015, 5, 92159-92164.	3.6	3
51	Enantioselective desymmetrization of meso-aziridines with aromatic thiols catalyzed by chiral bifunctional quaternary phosphonium salts derived from β -amino acids. <i>Tetrahedron</i> , 2015, 71, 1785-1791.	1.9	26
52	Enantioselective Direct Mannich Reactions of Cyclic β -Ketoesters Catalyzed by Chiral Phosphine via a Novel Dual-Reagent Catalysis. <i>Organic Letters</i> , 2015, 17, 688-691.	4.6	44
53	Asymmetric Robinson-Type Annulation Reaction between β -Ketoamides and α,β -Unsaturated Ketones. <i>Journal of Organic Chemistry</i> , 2015, 80, 3798-3805.	3.2	23
54	Palladium(II)-Catalyzed Formal [3 + 2] Cycloaddition of Aziridines with 3-Substituted Indoles: Synthesis of Enantioenriched Pyrroloindolines. <i>Journal of Organic Chemistry</i> , 2015, 80, 10710-10718.	3.2	34

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55	Asymmetric Dual- α -Reagent Catalysis: Mannich-Type Reactions Catalyzed by Ion Pair. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1775-1779.	13.8	79
56	Asymmetric Michael Addition of Oxindoles to Allenolate Catalyzed by α -Acyl Aminophosphine: Construction of Functionalized Oxindoles with Quaternary Stereogenic Center. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 359-363.	4.3	51
57	Fluorinated graphene: facile solution preparation and tailorable properties by fluorine-content tuning. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8782-8789.	10.3	121
58	Synthesis of Spiro[chroman/tetrahydrothiophene-3,3'-oxindole] Scaffolds via Heteroatom-Michael-Michael Reactions: Easily Controlled Enantioselectivity via Bifunctional Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 579-583.	4.3	54
59	Organocatalyzed aza-Michael-Michael cascade reactions to construct spirooxindole tetrahydroquinolines with all-carbon chiral centers. <i>RSC Advances</i> , 2013, 3, 16999.	3.6	38
60	Amino Acid-Derived Phosphonium Salts-Catalyzed Michael Addition of α -Substituted Oxindoles. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2701-2706.	4.3	81
61	Enantioselective Addition of Thiols to Imines Catalyzed by Thiourea-Quaternary Ammonium Salts. <i>ACS Catalysis</i> , 2013, 3, 2218-2221.	11.2	86
62	A Formal Synthesis of Iridoid β -Deoxygelsemide. <i>Chinese Journal of Chemistry</i> , 2013, 31, 18-22.	4.9	2
63	Efficient Acetylation of Alcohols and Phenols Catalyzed by Recyclable Lithium Bis(perfluoroalkylsulfonyl)imide. <i>Synthetic Communications</i> , 2013, 43, 34-43.	2.1	7
64	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.	1.9	62
65	Thiourea-phosphonium salts from amino acids: cooperative phase-transfer catalysts in the enantioselective aza-Henry reaction. <i>Chemical Communications</i> , 2013, 49, 5972.	4.1	110
66	Efficient organocatalysts derived from simple chiral acyclic amino acids in asymmetric catalysis. <i>Catalysis Science and Technology</i> , 2012, 2, 29-41.	4.1	76
67	Highly Enantioselective Epoxidation of α,β -Unsaturated Ketones Catalyzed by Primary-Secondary Diamines. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3129-3133.	4.3	25
68	Organocatalyzed Cascade Reactions of Cyclic α -Enamino Esters and α,β -Unsaturated Aldehydes Leading to Indoloquinolizidines and Benzoquinolizidines. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6755-6763.	2.4	5
69	Investigation of the Effect of Metallic Lewis Acid on the Nitrolysis of [3,7-Diacetyl-1,3,5,7-tetraazabicyclo(3.3.1)-nonane] and Hexamine. <i>Chinese Journal of Chemistry</i> , 2011, 29, 283-287.	4.9	5
70	Asymmetric epoxidation of α,β -unsaturated ketones using α,β -diarylprolinols as catalysts. <i>Science Bulletin</i> , 2010, 55, 1712-1722.	1.7	8
71	Total Synthesis of (α)-Fasicularin and (α)-Lepadiformine A Based on Zn-Mediated Allylation of Chiral α -tert-Butanesulfinyl Ketimine. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1660-1668.	2.4	26
72	Reductive Amination/Cyclization of α -Trifluoromethyl Keto Esters to Trifluoromethylated α -Amino Alcohols and Lactams. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1778-1786.	2.4	16

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73	Highly Enantioselective Michael Addition of Cyclic 1,3-Dicarbonyl Compounds to α,β -Unsaturated α -Keto Esters. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1648-1652.	4.3	75
74	Asymmetric [3+2] Cycloadditions of Allenolates and Dual Activated Olefins Catalyzed by Simple Bifunctional N -Acyl Aminophosphines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4467-4470.	13.8	286
75	Assembly of a Series of Trinuclear Zinc(II) Compounds with N_2O_2 Donor Tetradentate Symmetrical Schiff Base Ligand. <i>Crystal Growth and Design</i> , 2010, 10, 4014-4022.	3.0	72
76	Highly Efficient Organocatalyzed Direct Asymmetric Aldol Reactions of Hydroxyacetone and Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 158-162.	4.3	46
77	Highly Efficient Asymmetric Epoxidation of Electron-Deficient α,β -Enones and Related Applications to Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1685-1691.	4.3	77
78	Highly Enantioselective Michael Addition of α -Substituted Cyano Ketones to α,β -Unsaturated α -Keto Esters using Bifunctional Thiourea-Tertiary Amine Catalysts: An Easy Access to Chiral Dihydropyrans. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2811-2816.	4.3	70
79	Synthesis of Substituted 5-(Pyrrolidin-2-yl)tetrazoles and Their Application in the Asymmetric Biginelli Reaction. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 904-911.	2.4	64
80	Highly Enantioselective Organocatalyzed Construction of Quaternary Carbon Centers <i>via</i> Cross-Aldol Reaction of Ketones in Water. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2690-2694.	4.3	72
81	4,4-Disubstituted L -proline Catalyzes the Direct Asymmetric Michael Addition of Aldehydes to Nitrostyrenes. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1629-1632.	4.3	53
82	4,4-Di-Disubstituted L -Prolines as Highly Enantioselective Catalysts for Direct Aldol Reactions. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2223-2228.	4.3	47
83	A Convenient Synthesis of 1-Deoxy-8a-epi-Castanospermine Diastereoisomers (6R,7R,8S,8aS)-6,7,8-Trihydroxyindolizidine and (6R,7R,8R,8aS)-6,7,8-Trihydroxyindolizidine. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1918-1922.	2.4	23
84	Sn -Mediated Catalytic Asymmetric Reduction of Carbonyl Groups by Sodium Borohydride (or Sodium) Tj ETQq0 0,0,rgBT /Oyerlock 10	4.9	3
85	Preparation of 6,6-Bis(perfluoroalkylated) BINOLs and Their Application in Asymmetric Alkylation of Benzaldehyde. <i>Chinese Journal of Chemistry</i> , 2002, 20, 803-808.	4.9	7
86	Formal Synthesis of (+)-Altholactone by Stereoselective Epoxidation Using Magnesium Monoperoxyphthalate (MMPP). <i>Chinese Journal of Chemistry</i> , 2002, 20, 1415-1420.	4.9	4
87	A GENERAL METHOD TO POLYSUBSTITUTED 4-CYANO-4-PHENYLSULFONYLBUTYRIC ESTERS. <i>Synthetic Communications</i> , 2001, 31, 2089-2096.	2.1	4
88	A novel approach to the enantioselective formal synthesis of pumiliotoxin 251D. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 3264-3266.	1.3	14
89	Insoluble Resin-Supported Catalysts. , 0, , 49-75.		1
90	Asymmetric Synthesis of 2,2-Difluorotetrahydrofurans through Palladium-Catalyzed Formal [3 + 2] Cycloaddition. <i>Angewandte Chemie</i> , 0, , .	2.0	2

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91	Asymmetric Dieckmann Condensation towards Spirocyclic Oxindoles Catalyzed by Amino Acid-derived Phosphonium Salt. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	0