

Pengfei Zhang

List of Publications by Year in descending order

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101
papers

3,552
citations

117625

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light-induced C-H sulfenylation of quinoxalin-2(1H)-ones with disulfides by sustainable cerium catalysis. <i>Green Synthesis and Catalysis</i> , 2023, 4, 226-230.	6.8	8
2	A Synthetic Protocol for the Construction of Chroman-Spiroquinazolin(thi)one Framework via a Metal-Free, Three-Component, Domino, Double Annulations. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 855-864.	4.3	25
3	Functionalized quinoxalinones as privileged structures with broad-ranging pharmacological activities. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114085.	5.5	44
4	Î±-Functionalization of ketones promoted by sunlight and heterogeneous catalysis in the aqueous phase. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 790-795.	2.8	3
5	Controlled chemical assembly of enzymes in cell lysate enabled by genetic-encoded nonstandard amino acids. <i>Materials Chemistry Frontiers</i> , 2022, 6, 182-193.	5.9	4
6	Visible-light-induced decarboxylative alkylation of quinoxalin-2(1H)-ones with phenyliodine(III) dicarboxylates by cerium photocatalysis. <i>Molecular Catalysis</i> , 2022, 519, 112145.	2.0	7
7	Implementation of the Student-Centered Team-Based Learning Teaching Method in a Medicinal Chemistry Curriculum. <i>Journal of Chemical Education</i> , 2022, 99, 1855-1862.	2.3	3
8	Selective Mono- and Diamination of Ketones in a Combined Copper-Organocatalyst System. <i>Organic Letters</i> , 2022, 24, 3614-3619.	4.6	14
9	Photoinitiated multicomponent cascade reaction of Nheteroarenes with unactivated alkenes and trimethylsilyl azide. <i>Molecular Catalysis</i> , 2022, 524, 112330.	2.0	7
10	Denoising Marine Controlled Source Electromagnetic Data Based on Dictionary Learning. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 682.	2.0	6
11	Programing a cyanide-free transformation of aldehydes to nitriles and one-pot synthesis of amides through tandem chemo-enzymatic cascades. <i>RSC Advances</i> , 2022, 12, 17873-17881.	3.6	7
12	A HCl-Mediated, Metal- and Oxidant-Free Photocatalytic Strategy for C3 Arylation of Quinoxalin(on)es with Arylhydrazine. <i>Catalysts</i> , 2022, 12, 633.	3.5	4
13	Practical chemoselective aromatic substitution: the synthesis of <i>N</i> -(4-halo-2-nitrophenyl)benzenesulfonamide through the efficient nitration and halogenation of <i>N</i> -phenylbenzenesulfonamide. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5444-5451.	2.8	2
14	Synthesis of <i>E</i> -Quinoxalinone Oximes through a Multicomponent Reaction under Mild Conditions. <i>Organic Letters</i> , 2021, 23, 195-201.	4.6	63
15	Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 3706-3720.	3.2	19
16	A combination of heterogeneous catalysis and photocatalysis for the olefination of quinoxalin-2(1 <i>H</i>)-ones with ketones in water: a green and efficient route to (<i>Z</i>)-enaminones. <i>Green Chemistry</i> , 2021, 23, 2123-2129.	9.0	48
17	Copper-catalyzed selective oxidation of hydrazones through C(sp ³)-H Functionalization. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8917-8923.	2.8	4
18	Selective oxidation of alkenes to carbonyls under mild conditions. <i>Green Chemistry</i> , 2021, 23, 5549-5555.	9.0	38

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19	Constructing a triangular metallacycle with salen-Al and its application to a catalytic cyanosilylation reaction. <i>Chemical Communications</i> , 2021, 57, 10399-10402.	4.1	1
20	Photoinduced Rapid Multicomponent Cascade Reaction of Aryldiazonium Salts with Unactivated Alkenes and TMSN ₃ . <i>Organic Letters</i> , 2021, 23, 1204-1208.	4.6	39
21	Rapid alkenylation of quinoxalin-2(1H)-ones enabled by the sequential Mannich-type reaction and solar photocatalysis. <i>Chinese Chemical Letters</i> , 2021, 32, 3627-3631.	9.0	31
22	TPGS-Galactose-Modified Polydopamine Co-delivery Nanoparticles of Nitric Oxide Donor and Doxorubicin for Targeted Chemophotothermal Therapy against Drug-Resistant Hepatocellular Carcinoma. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35518-35532.	8.0	38
23	Rapid degradation of norfloxacin by VUV/Fe ²⁺ /H ₂ O ₂ over a wide initial pH: Process parameters, synergistic mechanism, and influencing factors. <i>Journal of Hazardous Materials</i> , 2021, 416, 125893.	12.4	10
24	Multicomponent Bifunctionalization of Methyl Ketones Enabled by Heterogeneous Catalysis and Solar Photocatalysis in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13663-13671.	6.7	41
25	Photo-induced oxidative cleavage of C-C double bonds of olefins in water. <i>Tetrahedron Letters</i> , 2021, 80, 153321.	1.4	10
26	Hypervalent iodine(III)-promoted rapid cascade reaction for the synthesis of unsymmetric azo compounds. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3119-3123.	2.8	11
27	Photo-Induced Cross-Dehydrogenative Alkylation of Heteroarenes with Alkanes under Aerobic Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 17816-17832.	3.2	32
28	Hypervalent Iodine(III)-Promoted Rapid Cascade Reaction of Quinoxalinones with Unactivated Alkenes and TMSN ₃ . <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 230-241.	4.3	78
29	Visible light-driven oxidative coupling of dibenzylamine and substituted anilines with a 2D WSe ₂ nanomesh material. <i>Nanoscale</i> , 2020, 12, 21869-21878.	5.6	5
30	Photocatalyst-, metal- and additive-free, direct C-H arylation of quinoxalin-2(1 <i>H</i>)-ones with aryl acyl peroxides induced by visible light. <i>Organic Chemistry Frontiers</i> , 2020, 7, 4031-4042.	4.5	76
31	Iron(III)-Mediated Rapid Radical-Type Three-Component Deuteration of Quinoxalinones With Olefins and NaBD ₄ . <i>Frontiers in Chemistry</i> , 2020, 8, 606.	3.6	8
32	Synthesis of quinazolin-4-ones through an acid ion exchange resin mediated cascade reaction. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4406-4414.	2.8	1
33	From Phenylhydrazine to 1 <i>H</i> -1,2,4-Triazoles via Nitrification, Reduction and Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1657-1662.	4.3	26
34	Rapidly and Precisely Cross-Linked Enzymes Using Bio-Orthogonal Chemistry from Cell Lysate for the Synthesis of (S)-1-(2,6-Dichloro-3-fluorophenyl) Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6466-6478.	6.7	16
35	Efficient synthesis of the key chiral alcohol intermediate of Crizotinib using dual-enzyme@CaHPO ₄ hybrid nanoflowers assembled by mimetic biomineralization. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 236-243.	3.2	35
36	Introduction of the β -ketoamide structure: en route to develop hydrogen peroxide responsive prodrugs. <i>Chemical Science</i> , 2019, 10, 7156-7162.	7.4	26

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37	Platinum(<i>ii</i>)-catalyzed selective <i>para</i> C–H alkoxylation of arylamines through a coordinating activation strategy. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 490-497.	2.8	19
38	Transition-Metal and Solvent-Free Oxidative C–H Fluoroalkoxylation of Quinoxalinones with Fluoroalkyl Alcohols. <i>Organic Letters</i> , 2019, 21, 4698-4702.	4.6	110
39	2D Single Crystal WSe ₂ and MoSe ₂ Nanomeshes with Quantifiable High Exposure of Layer Edges from 3D Mesoporous Silica Template. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17670-17677.	8.0	28
40	Recent Advances in the Catalytic Synthesis of 4-Quinolones. <i>CheM</i> , 2019, 5, 1059-1107.	11.7	56
41	Design and synthesis of a new fluorescent probe for cascade detection of Zn ²⁺ and H ₂ PO ₄ [−] in water and targeted imaging of living cells. <i>Luminescence</i> , 2019, 34, 407-414.	2.9	10
42	The visible-light-triggered regioselective alkylation of quinoxalin-2(1 <i>H</i>)-ones <i>via</i> decarboxylation coupling. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10201-10208.	2.8	55
43	Remote radical halogenation of aminoquinolines with aqueous hydrogen halide (HX) and oxone. <i>Tetrahedron Letters</i> , 2018, 59, 2243-2247.	1.4	14
44	Coordinating Activation Strategy-Induced Selective C–H Trifluoromethylation of Anilines. <i>ChemCatChem</i> , 2018, 10, 965-970.	3.7	38
45	Efficient synthesis of vitamin A palmitate in nonaqueous medium using self-assembled lipase TL@apatite hybrid nanoflowers by mimetic biomineralization. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 476-483.	4.7	7
46	Novel Magnetically-Recyclable, Nitrogen-Doped Fe ₃ O ₄ @Pd NPs for Suzuki–Miyaura Coupling and Their Application in the Synthesis of Crizotinib. <i>Catalysts</i> , 2018, 8, 443.	3.5	9
47	Improving Vehicle Detection in Point Cloud Data with Novel Features. , 2018, , .		2
48	Image Feature Based Machine Learning Approach for Road Terrain Classification. , 2018, , .		4
49	Copper-Catalyzed Regioselective Nitration and Azidation of 1-Naphthylamine Derivatives via Remote C–H Activation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4571-4576.	2.4	19
50	Dual-cycle immobilization to reuse both enzyme and support by reblossoming enzyme–inorganic hybrid nanoflowers. <i>RSC Advances</i> , 2018, 8, 16088-16094.	3.6	20
51	Copper(II)-Catalyzed Selective <i>Para</i> Amination of Arylamine with Pyrazole by C–H Functionalization. <i>ChemCatChem</i> , 2018, 10, 3675-3679.	3.7	42
52	Palladium-Catalyzed Direct Ortho C–O bond construction of Azobenzenes with Iodobenzene diacetate via C–H Activation. <i>Catalysis Letters</i> , 2017, 147, 400-406.	2.6	10
53	Transition-metal-free direct perfluoroalkylation of quinoline amides at C5 position through radical cross-coupling under mild conditions. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1116-1120.	4.5	52
54	Selective remote esterification of 8-aminoquinoline amides via copper(ii)-catalyzed C(sp ²)–O cross-coupling reaction. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 531-535.	2.8	44

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55	Iron-Catalyzed C5 Halogenation of 8-Aminoquinolines Using Sodium Halides at Room Temperature. <i>Catalysis Letters</i> , 2017, 147, 1574-1580.	2.6	9
56	Iodobenzene-catalyzed synthesis of aryl sulfonate esters from aminoquinolines via remote radical C-H cross-coupling. <i>RSC Advances</i> , 2017, 7, 49436-49439.	3.6	31
57	Nickel(II)-Catalyzed Site-Selective C-H Bond Trifluoromethylation of Arylamine in Water through a Coordinating Activation Strategy. <i>Organic Letters</i> , 2017, 19, 5661-5664.	4.6	87
58	A highly selective ratiometric fluorescent probe for the cascade detection of Zn ²⁺ and H ₂ PO ₄ ⁻ and its application in living cell imaging. <i>RSC Advances</i> , 2017, 7, 40615-40620.	3.6	21
59	Regioselective and Direct Azidation of Anilines via Cu(II)-Catalyzed C-H Functionalization in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 11212-11217.	3.2	27
60	Synthesis of C-glycosyl triazolyl quinoline-based fluorescent sensors for the detection of mercury ions. <i>Carbohydrate Research</i> , 2016, 433, 41-46.	2.3	17
61	Microwave-assisted rapid synthesis of sugar-based pyrazole derivatives with anticancer activity in water. <i>RSC Advances</i> , 2016, 6, 66803-66806.	3.6	9
62	Catalyst-Controlled Selectivity in C-S Bond Formation: Highly Efficient Synthesis of C2- and C3-Sulfonylindoles. <i>ChemCatChem</i> , 2016, 8, 304-307.	3.7	46
63	Copper(II)-catalyzed remote sulfonylation of aminoquinolines with sodium sulfonates via radical coupling. <i>RSC Advances</i> , 2016, 6, 37173-37179.	3.6	53
64	Catalyst-Controlled Selectivity in C-S Bond Formation: Highly Efficient Synthesis of C2- and C3-Sulfonylindoles. <i>ChemCatChem</i> , 2016, 8, 280-280.	3.7	1
65	Synthesis and Biological Evaluation of Novel Carbohydrate-Derived Derivatives of Erlotinib. <i>Drug Development Research</i> , 2016, 77, 319-325.	2.9	10
66	Heterogeneous Chitosan@Copper(II)-Catalyzed Remote Trifluoromethylation of Aminoquinolines with the Langlois Reagent by Radical Cross-Coupling. <i>ChemCatChem</i> , 2016, 8, 3560-3564.	3.7	60
67	Catalyst-Controlled Selectivity in the Synthesis of C2- and C3-Sulfonate Esters from Quinoline N-Oxides and Aryl Sulfonyl Chlorides. <i>ChemCatChem</i> , 2016, 8, 2604-2608.	3.7	40
68	Catalyst-Triggered Highly Selective C-S and C-Se Bond Formation by C-H Activation. <i>ChemCatChem</i> , 2016, 8, 2916-2919.	3.7	21
69	Copper-catalyzed rapid C-H nitration of 8-aminoquinolines by using sodium nitrite as the nitro source under mild conditions. <i>RSC Advances</i> , 2016, 6, 89979-89983.	3.6	46
70	Copper(II)-Catalyzed Direct Azidation of N-Acylated 8-Aminoquinolines by Remote C-H Activation. <i>ChemCatChem</i> , 2016, 8, 3570-3574.	3.7	45
71	Remote C-H Activation of Quinolines through Copper-Catalyzed Radical Cross-Coupling. <i>Chemistry - an Asian Journal</i> , 2016, 11, 882-892.	3.3	130
72	Copper(II)-catalyzed C5 and C7 halogenation of quinolines using sodium halides under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3016-3021.	2.8	103

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73	A highly efficient synthesis of N-glycosyl-1,2,3-triazoles using a recyclable cellulose-copper(0) catalyst in water. <i>Catalysis Communications</i> , 2016, 79, 11-16.	3.3	38
74	Synthesis of Benzimidazo[1,2- <i>c</i>]quinazolines via Metal-Free Intramolecular C-H Amination Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3177-3181.	3.7	26
75	Palladium-Catalyzed Thioetherification of Quinolone Derivatives via Decarboxylative C-S Cross-Couplings. <i>Chemistry - an Asian Journal</i> , 2016, 11, 360-366.	3.3	32
76	Carbohydrate Metabolism and Gene Regulation during Anther Development Disturbed by Chemical Hybridizing Agent in Wheat. <i>Crop Science</i> , 2015, 55, 868-876.	1.8	12
77	Microspore Abortion and Abnormal Tapetal Degeneration in a Male-Sterile Wheat Line Induced by the Chemical Hybridizing Agent S ₁ . <i>Crop Science</i> , 2015, 55, 1117-1128.	1.8	12
78	Palladium-catalyzed direct ortho-sulfonylation of azobenzenes with arylsulfonyl chlorides via C-H activation. <i>RSC Advances</i> , 2015, 5, 52588-52594.	3.6	34
79	Novel glycosyl pyridyl-triazole@palladium nanoparticles: efficient and recoverable catalysts for C-C cross-coupling reactions. <i>Catalysis Science and Technology</i> , 2015, 5, 2065-2071.	4.1	44
80	Immobilization of cholesterol oxidase on magnetic fluorescent core-shell-structured nanoparticles. <i>Materials Science and Engineering C</i> , 2015, 57, 31-37.	7.3	20
81	Palladium-Catalyzed Decarboxylative Csp ² -Csp ² Cross-Coupling Reactions: An Efficient Route for Synthesis of Azaisoflavone Derivatives. <i>Catalysis Letters</i> , 2015, 145, 1634-1642.	2.6	8
82	BRD4 promotes tumor growth and epithelial-mesenchymal transition in hepatocellular carcinoma. <i>International Journal of Immunopathology and Pharmacology</i> , 2015, 28, 36-44.	2.1	49
83	An efficient d-glucosamine-based copper catalyst for C-X couplings and its application in the synthesis of nilotinib intermediate. <i>RSC Advances</i> , 2015, 5, 1522-1528.	3.6	21
84	A novel <i>d</i> -glucosamine-derived pyridyl-triazole@palladium catalyst for solvent-free Mizoroki-Heck reactions and its application in the synthesis of Axitinib. <i>Green Chemistry</i> , 2015, 17, 225-230.	9.0	62
85	Recent advances in C-S bond formation via C-H bond functionalization and decarboxylation. <i>Chemical Society Reviews</i> , 2015, 44, 291-314.	38.1	702
86	Synthesis, Crystal Structure, and Theoretical Calculation of the Cd(II) Complex with 2-Aminobenzothiazole. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 603-610.	0.6	2
87	A highly efficient way to capture CX ₂ (O, S) mildly in reusable ReILs at atmospheric pressure. <i>Green Chemistry</i> , 2014, 16, 3142.	9.0	36
88	Synthesis and anti-tumor activity of glycosyl oxadiazoles derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5318-5320.	2.2	9
89	A highly active and easily recoverable chitosan@copper catalyst for the C-S coupling and its application in the synthesis of zolimidine. <i>Green Chemistry</i> , 2014, 16, 3007-3012.	9.0	142
90	<i>d</i> -Glucosamine as a green ligand for copper catalyzed synthesis of aryl sulfones from aryl halides and sodium sulfinates. <i>RSC Advances</i> , 2014, 4, 26295-26300.	3.6	41

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91	Metal-based 2,3-indolinedione derivatives as proteasome inhibitors and inducers of apoptosis in human cancer cells. <i>International Journal of Molecular Medicine</i> , 2014, 34, 870-879.	4.0	15
92	Chemoenzymatic selective formation of C–N bonds in a benzimidazole heterocycle. <i>RSC Advances</i> , 2013, 3, 24959.	3.6	7
93	Convenient one-step purification and immobilization of lipase using a genetically encoded aldehyde tag. <i>Biochemical Engineering Journal</i> , 2013, 73, 86-92.	3.6	25
94	Novel synthesis of carbohydrate-derived organocatalysts and their application in asymmetric aldol reactions. <i>Catalysis Communications</i> , 2013, 41, 106-109.	3.3	16
95	A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular C–S coupling. <i>Chemical Science</i> , 2012, 3, 2388.	7.4	67
96	The simple synthesis and antimicrobial activity of novel fluoroquinolone derivatives from natural amino acid salts. <i>Medicinal Chemistry Research</i> , 2012, 21, 53-59.	2.4	6
97	Synthesis, characterization, and biological evaluation of new N-glycosides derived from O-pivaloylated 1 ² -D-glucopyranosylamine. <i>Research on Chemical Intermediates</i> , 2012, 38, 863-870.	2.7	1
98	One-pot synthesis and antimicrobial activity of novel quinolone heterocyclic derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1411-1414.	2.6	6
99	Synthesis, characterization, and cytotoxicity of some novel glycosyl thiazol-2-imines as antitumoral agents. <i>Carbohydrate Research</i> , 2010, 345, 437-441.	2.3	21
100	Synthesis of Some Novel Glucosyl Triazoles from 2,3,4,6-Tetra-O-pivaloyl-D-glucopyranosyl Azide. <i>Journal of Carbohydrate Chemistry</i> , 2010, 29, 155-163.	1.1	8
101	STEREOSELECTIVE SYNTHESIS OF 1 ² -AMINO ACIDS FROM O-PIVALOYL-D-GLUCOPYRANOSYLALDIMINE. <i>Organic Preparations and Procedures International</i> , 2005, 37, 65-73.	1.3	3