Yi-Nan Zhang

List of Publications by Year
in descending order

80	2,206	236612	253896
papers	citations	25 h-index	43 g-index

99	99	99	2678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ursolic acid and its derivative inhibit protein tyrosine phosphatase 1B, enhancing insulin receptor phosphorylation and stimulating glucose uptake. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1505-1512.	1.1	224
2	Oleanolic acid and its derivatives: New inhibitor of protein tyrosine phosphatase 1B with cellular activities. Bioorganic and Medicinal Chemistry, 2008, 16, 8697-8705.	1.4	134
3	Bifunctional Cinchona Alkaloid Thiourea Catalyzed Highly Efficient, Enantioselective Azaâ€Henry Reaction of Cyclic Trifluoromethyl Ketimines: Synthesis of Antiâ€HIV Drug DPCâ€...083. Angewandte Chemie - International Edition, 2011, 50, 11773-11776.	7.2	120
4	Cu(<scp>ii</scp>) catalyzed oxidation-[3+2] cycloaddition-aromatization cascade: Efficient synthesis of pyrrolo [2, 1-a] isoquinolines. Chemical Communications, 2011, 47, 1036-1038.	2.2	86
5	Catalytic enantioselective conjugate addition of fluorobis(phenylsulfonyl)methane to enals: synthesis of chiral monofluoromethyl compounds. Chemical Communications, 2009, , 4886.	2.2	79
6	Interplay of Direct Stereocontrol and Dynamic Kinetic Resolution in a Bifunctional Amine Thiourea Catalyzed Highly Enantioselective Cascade Michaelâ€“Michael Reaction. Chemistry - A European Journal, 2011, 17, 770-774.	1.7	74
7	Lonicerin targets EZH2 to alleviate ulcerative colitis by autophagy-mediated NLRP3 inflammasome inactivation. Acta Pharmaceutica Sinica B, 2021, 11, 2880-2899.	5.7	71
8	Corosolic acid stimulates glucose uptake via enhancing insulin receptor phosphorylation. European Journal of Pharmacology, 2008, 584, 21-29.	1.7	69
9	Discovery and synthesis of new immunosuppressive alkaloids from the stem of Fissistigma oldhamii (Hemsl.) Merr.. Bioorganic and Medicinal Chemistry, 2007, 15, 988-996.	1.4	64
10	Frenolicins Câ€“G, Pyranonaphthoquinones from Streptomyces sp. RM-4-15. Journal of Natural Products, 2013, 76, 1441-1447.	1.5	62
11	Highly enantioselective Michael-cyclization cascade promoted by synergistic asymmetric aminocatalysis and Lewis acid catalysis. Tetrahedron Letters, 2010, 51, 1742-1744.	0.7	45
12	Spoxazomicin D and Oxachelin C, Potent Neuroprotective Carboxamides from the Appalachian Coal Fire-Associated Isolate Streptomyces sp. RM-14-6. Journal of Natural Products, 2017, 80, 2-11.	1.5	45
13	Terfestatins B and C, New p-Terphenyl Glycosides Produced by Streptomyces sp. RM-5â€“8. Organic Letters, 2015, 17, 2796-2799.	2.4	42
14	Nine New Dammarane Saponins fromGynostemma pentaphyllum. Chemistry and Biodiversity, 2006, 3, 771-782.	1.0	41
15	Lindenane Sesquiterpene Dimers from Chloranthus fortunei. Journal of Natural Products, 2008, 71, 674-677.	1.5	39
16	Anti-inflammatory effects of Z23 on LPS-induced inflammatory responses in RAW264.7 macrophages. Journal of Ethnopharmacology, 2008, 120, 447-451.	2.0	37
17	Oleanolic acid derivative NPLC441 potently stimulates glucose transport in 3T3-L1 adipocytes via a multi-target mechanism. Biochemical Pharmacology, 2008, 76, 1251-1262.	2.0	34
18	Diastereoâ€•and Enantioselective Organocatalytic Direct Conjugate Addition of Î³â€Butenolide to Chalcones. Chemistry - an Asian Journal, 2010, 5, 1303-1306.	1.7	33

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19	Bi- and Tetracyclic Spirotetronates from the Coal Mine Fire Isolate Streptomyces sp. LC-6-2. Journal of Natural Products, 2017, 80, 1141-1149.	1.5	32
20	Mccrearamycins Aâ€“D, GeldanamycinâEDerived Cyclopentenone Macrolactams from an Eastern Kentucky Abandoned Coal Mine Microbe. Angewandte Chemie - International Edition, 2017, 56, 2994-2998.	7.2	31
21	Frenolicin B Targets Peroxiredoxin 1 and Glutaredoxin 3 to Trigger ROS/4E-BP1-Mediated Antitumor Effects. Cell Chemical Biology, 2019, 26, 366-377.e12.	2.5	31
22	A Diastereoselective Oxa-Pictetâ€“Spengler-Based Strategy for (+)-Frenolicin B and epi-(+)-Frenolicin B Synthesis. Organic Letters, 2013, 15, 5566-5569.	2.4	30
23	Discovery and structure-activity relationships study of thieno[2,3-b]pyridine analogues as hepatic gluconeogenesis inhibitors. European Journal of Medicinal Chemistry, 2018, 152, 307-317.	2.6	29
24	Didymin switches M1-like toward M2-like macrophage to ameliorate ulcerative colitis via fatty acid oxidation. Pharmacological Research, 2021, 169, 105613.	3.1	29
25	Asymmetric Organocatalytic Synthesis of Benzopyranâ€•and Benzofuranâ€Fused Polycyclic Acetals. Advanced Synthesis and Catalysis, 2017, 359, 2184-2190.	2.1	28
26	Palladium-Catalyzed Formylation of Aryl Iodides with HCOOH as CO Source. Organic Letters, 2017, 19, 4235-4238.	2.4	27
27	Aryl Hydrocarbon Receptor Deficiency in Intestinal Epithelial Cells Aggravates Alcohol-Related Liver Disease. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 233-256.	2.3	26
28	Baraphenazines Aâ€“G, Divergent Fused Phenazine-Based Metabolites from a Himalayan Streptomyces. Journal of Natural Products, 2019, 82, 1686-1693.	1.5	25
29	Pyridoxal-5â€²-phosphate-dependent alkyl transfer in nucleoside antibiotic biosynthesis. Nature Chemical Biology, 2020, 16, 904-911.	3.9	24
30	Ruthmycin, a New Tetracyclic Polyketide from Streptomyces sp. RM-4-15. Organic Letters, 2014, 16, 456-459.	2.4	23
31	Î±â€Diazo Î²â€Keto Ester as Precursor to Aromatic Cï£¿H Insertion and Wolff Rearrangement with Different Directing Groups. Advanced Synthesis and Catalysis, 2014, 356, 416-420.	2.1	22
32	A Divergent Enantioselective Strategy for the Synthesis of Griseusins. Angewandte Chemie - International Edition, 2015, 54, 11219-11222.	7.2	22
33	Insecticidal Endostemonines Aâ€“J Produced by Endophytic Streptomyces from Stemona sessilifolia. Journal of Agricultural and Food Chemistry, 2020, 68, 1588-1595.	2.4	21
34	Stereoselective organocatalytic oxidation of alcohols to enals: a homologation method to prepare polyenes. Chemical Communications, 2016, 52, 3532-3535.	2.2	20
35	Preparation of tyrosinase inhibitors and antibrowning agents using green technology. Food Chemistry, 2016, 197, 589-596.	4.2	19
36	Triterpene Saponins fromGynostemmacardiospermum. Journal of Natural Products, 2006, 69, 1394-1398.	1.5	18

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37	Chiral Cyclohexane 1,3-Diones as Inhibitors of Mutant SOD1-Dependent Protein Aggregation for the Treatment of ALS. ACS Medicinal Chemistry Letters, 2012, 3, 584-587.	1.3	17
38	Arylazanylpyrazolone Derivatives as Inhibitors of Mutant Superoxide Dismutase 1 Dependent Protein Aggregation for the Treatment of Amyotrophic Lateral Sclerosis. Journal of Medicinal Chemistry, 2013, 56, 2665-2675.	2.9	17
39	Tertiary Amine Pyrazolones and Their Salts as Inhibitors of Mutant Superoxide Dismutase 1-Dependent Protein Aggregation for the Treatment of Amyotrophic Lateral Sclerosis. Journal of Medicinal Chemistry, 2015, 58, 5942-5949.	2.9	17
40	FRET detection of lymphocyte functionâ€“associated antigen-1 conformational extension. Molecular Biology of the Cell, 2015, 26, 43-54.	0.9	17
41	7â€²-(3â€²,4â€²-dihydroxyphenyl)-N-[(4-methoxyphenyl)ethyl]propenamide (Z23), an effective compound from the Chinese herb medicine Fissistigma oldhamii (Hemsl.) Merr, suppresses T cell-mediated immunity in vitro and in vivo. Life Sciences, 2007, 81, 1677-1684.	2.0	16
42	GC/TOFMS Analysis of Endogenous Metabolites in Mouse Fibroblast Cells and Its Application in TiO2 Nanoparticle-Induced Cytotoxicity Study. Chromatographia, 2012, 75, 1301-1310.	0.7	16
43	The triterpenoid sapogenin (2Î±-OH-Protopanoxadiol) ameliorates metabolic syndrome via the intestinal FXR/GLP-1 axis through gut microbiota remodelling. Cell Death and Disease, 2020, 11, 770.	2.7	16
44	Metabolomic evaluation of di-n-butyl phthalate-induced teratogenesis in mice. Metabolomics, 2011, 7, 559-571.	1.4	15
45	Palladium-Catalyzed Regiospecific peri- and ortho-Câ€“H Oxygenations of Polyaromatic Rings Mediated by Tunable Directing Groups. Organic Letters, 2021, 23, 279-284.	2.4	15
46	An efficient cascade approach to dibenzoxazepinones via nucleophilic aromatic substitution and Smiles rearrangement. Tetrahedron Letters, 2015, 56, 2211-2213.	0.7	14
47	Total Synthesis of (+)â€Rutamarin. Advanced Synthesis and Catalysis, 2008, 350, 2373-2379.	2.1	13
48	Real-time Analysis of the Inside-out Regulation of Lymphocyte Function-associated Antigen-1 Revealed Similarities to and Differences from Very Late Antigen-4. Journal of Biological Chemistry, 2011, 286, 20375-20386.	1.6	13
49	One-pot green synthesis of 1,3,5-triarylpentane-1,5-dione and triarylmethane derivatives as a new class of tyrosinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 795-798.	1.0	13
50	Total synthesis of griseusins and elucidation of the griseusin mechanism of action. Chemical Science, 2019, 10, 7641-7648.	3.7	13
51	Organocatalytic aldol addition reaction of cyclic hemiacetals to aldehydes. Tetrahedron Letters, 2015, 56, 2875-2877.	0.7	12
52	Rh-catalyzed intramolecular aromatic Câ€“H insertion of Î±-diazo Î²-ketoesters: synthesis of 4-carbonyl chroman derivatives. Tetrahedron, 2014, 70, 3400-3406.	1.0	11
53	Oneâ€Pot Synthesis of Nâ€Arylâ€Nicotinamides and Diarylamines Based on a Tunable Smiles Rearrangement. European Journal of Organic Chemistry, 2015, 2015, 3048-3052.	1.2	11
54	Thermo-Promoted Reactions of Anthranils with Carboxylic Acids, Amines, Phenols, and Malononitrile under Catalyst-Free Conditions. Journal of Organic Chemistry, 2019, 84, 2022-2031.	1.7	11

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55	Discovery of (Z)-1-(3-((1H-Pyrrol-2-yl)methylene)-2-oxoindolin-6-yl)-3-(isoxazol-3-yl)urea Derivatives as Novel and Orally Highly Effective CSF-1R Inhibitors for Potential Colorectal Cancer Immunotherapy. Journal of Medicinal Chemistry, 2021, 64, 17184-17208.	2.9	11
56	Ruthenium(<scp>ii</scp>)-catalyzed Câ€“O/Câ€“S cyclization for the synthesis of 5-membered O-containing and S-containing heterocycles. Organic Chemistry Frontiers, 2019, 6, 846-851.	2.3	9
57	Two New Steroid Saponins from Paris polyphylla. Heterocycles, 2005, 65, 1197.	0.4	8
58	A novel synthesis of 1-aryl-3-piperidone derivatives. Tetrahedron Letters, 2013, 54, 573-575.	0.7	8
59	Mithramycin 2â€²-Oximes with Improved Selectivity, Pharmacokinetics, and Ewing Sarcoma Antitumor Efficacy. Journal of Medicinal Chemistry, 2020, 63, 14067-14086.	2.9	8
60	Surfactant Assisted Rapid-Release Liposomal Strategies Enhance the Antitumor Efficiency of Bufalin Derivative and Reduce Cardiotoxicity. International Journal of Nanomedicine, 2021, Volume 16, 3581-3598.	3.3	8
61	Structure and Function of a Dual Reductaseâ€“Dehydratase Enzyme System Involved in p-Terphenyl Biosynthesis. ACS Chemical Biology, 2021, 16, 2816-2824.	1.6	8
62	Overcoming peri- and ortho-selectivity in Câ€“H methylation of 1-naphthaldehydes by a tunable transient ligand strategy. Chemical Science, 2022, 13, 2900-2908.	3.7	8
63	Design, synthesis and biological evaluation of LX2343 derivatives as neuroprotective agents for the treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2018, 145, 622-633.	2.6	7
64	Sugar-Pirating as an Enabling Platform for the Synthesis of 4,6-Dideoxyhexoses. Journal of the American Chemical Society, 2020, 142, 9389-9395.	6.6	7
65	Costunolide ameliorates colitis via specific inhibition of HIF1Î±/glycolysis-mediated Th17 differentiation. International Immunopharmacology, 2021, 97, 107688.	1.7	7
66	Direct Amination of Î³-Halo-Î²-ketoesters with Anilines. Journal of Organic Chemistry, 2012, 77, 3462-3467.	1.7	6
67	Enantioselective Construction of Functionalized Cyclopentanes by a Relay Ring-Closing Metathesis and Chiral Amine (Thio)urea-Promoted Michael Addition. Synthesis, 2014, 46, 2601-2607.	1.2	6
68	Identification of Neuroprotective Spoxazomicin and Oxachelin Glycosides via Chemoenzymatic Glycosyl-Scanning. Journal of Natural Products, 2017, 80, 12-18.	1.5	6
69	Small molecule IVQ, as a prodrug of gluconeogenesis inhibitor QVO, efficiently ameliorates glucose homeostasis in type 2 diabetic mice. Acta Pharmacologica Sinica, 2019, 40, 1193-1204.	2.8	6
70	Helicobacter pylori FabX contains a [4Fe-4S] cluster essential for unsaturated fatty acid synthesis. Nature Communications, 2021, 12, 6932.	5.8	6
71	Complex Flavanones from Cryptocarya metcalfiana and Structural Revision of Oboflavanone A. Journal of Natural Products, 2022, 85, 1617-1625.	1.5	6
72	An efficient synthesis of 4,6-substituted pyrrolo[3,2-d]pyrimidines by silver-catalyzed cyclization of acetylene amine. Tetrahedron Letters, 2016, 57, 2418-2421.	0.7	5

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73	Mccrearamycins Aâ€“D, GeldanamycinâEDerived Cyclopentenone Macrolactams from an Eastern Kentucky Abandoned Coal Mine Microbe. Angewandte Chemie, 2017, 129, 3040-3044.	1.6	4
74	Bis(phenylsulfonyl)methane mediated synthesis of olefins via a halogen elimination and double bond migration. Organic and Biomolecular Chemistry, 2018, 16, 2619-2622.	1.5	4
75	Iridoid Constituents of Viburnum brachybotryum. Journal of Natural Products, 2021, 84, 1915-1923.	1.5	4
76	FX5, a non-steroidal glucocorticoid receptor antagonist, ameliorates diabetic cognitive impairment in mice. Acta Pharmacologica Sinica, 2022, 43, 2495-2510.	2.8	4
77	A New Approach to Synthesize of 4-Phenacylideneflavene Derivatives and to Evaluate Their Cytotoxic Effects on HepG2 Cell Line. Molecules, 2017, 22, 1296.	1.7	1
78	Two Novel Flavonoids and Cytotoxicity Evaluation from Cryptocarya yunnanensis. Chemistry and Biodiversity, 2022, , e202200224.	1.0	1
79	Synthesis of Naphthalene Natural Products Dehydrocacalohastine and Musizin. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	1
80	Efficient Construction of (Â±)-epi-Costunolide through a Chromium(II)-Mediated Nozakiâ€“Hiyamaâ€“Kishi Reaction. Synlett, 2021, 32, 1469-1472.	1.0	0