

# Bo Han

## List of Publications by Year in descending order

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89  
papers

2,269  
citations

172457

29  
h-index

265206

42  
g-index

91  
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91  
docs citations

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times ranked

2162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radical Acylfluoroalkylation of Olefins through Nâ€Heterocyclic Carbene Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1863-1870.	13.8	153
2	Asymmetric Synthesis of Cyclohexaneâ€Fused Drugâ€Like Spirocyclic Scaffolds Containing Six Contiguous Stereogenic Centers <i>via</i> Organocatalytic Cascade Reactions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 561-568.	4.3	110
3	Regiodivergent construction of medium-sized heterocycles from vinyl ethylene carbonates and allylidene malononitriles. <i>Chemical Science</i> , 2020, 11, 2888-2894.	7.4	87
4	Organocatalytic Asymmetric Synthesis of Spiro-oxindole Piperidine Derivatives That Reduce Cancer Cell Proliferation by Inhibiting MDM2â€p53 Interaction. <i>Organic Letters</i> , 2017, 19, 6752-6755.	4.6	78
5	Singleâ€Electron Transfer Reactions Enabled by Nâ€Heterocyclic Carbene Organocatalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 3238-3250.	3.3	78
6	Improved bloodâ€brain barrier distribution: Effect of borneol on the brain pharmacokinetics of kaempferol in rats by in vivo microdialysis sampling. <i>Journal of Ethnopharmacology</i> , 2015, 162, 270-277.	4.1	72
7	Improved anti-colorectal carcinomatosis effect of tannic acid co-loaded with oxaliplatin in nanoparticles encapsulated in thermosensitive hydrogel. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 128, 279-289.	4.0	64
8	Rational drug design, synthesis, and biological evaluation of novel chiral tetrahydronaphthalene-fused spirooxindole as MDM2-CDK4 dual inhibitor against glioblastoma. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1492-1510.	12.0	56
9	Aconitine induces cardiomyocyte damage by mitigating BNIP3â€dependent mitophagy and the TNFâ€NLRP3 signalling axis. <i>Cell Proliferation</i> , 2020, 53, e12701.	5.3	53
10	Evodiamine has therapeutic efficacy in ulcerative colitis by increasing <i>Lactobacillus acidophilus</i> levels and acetate production. <i>Pharmacological Research</i> , 2020, 159, 104978.	7.1	52
11	A holistic view of gallic acid-induced attenuation in colitis based on microbiome-metabolomics analysis. <i>Food and Function</i> , 2019, 10, 4046-4061.	4.6	46
12	Application of organocatalysis in bioorganometallic chemistry: asymmetric synthesis of multifunctionalized spirocyclic pyrazoloneâ€ferrocene hybrids as novel RalA inhibitors. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2229-2233.	4.5	45
13	Targeting regulated cell death (RCD) with small-molecule compounds in triple-negative breast cancer: a revisited perspective from molecular mechanisms to targeted therapies. <i>Journal of Hematology and Oncology</i> , 2022, 15, 44.	17.0	44
14	Catalyst-free [3 + 2] cyclization of imines and Moritaâ€Baylisâ€Hillman carbonates: a general route to tetrahydropyrrolo[2,1-a]isoquinolines and dihydropyrrolo[2,1-a]isoquinolines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2128-2133.	4.5	43
15	Shikonin induces colorectal carcinoma cells apoptosis and autophagy by targeting galectin-1/JNK signaling axis. <i>International Journal of Biological Sciences</i> , 2020, 16, 147-161.	6.4	42
16	Recent advances in the development of nanomedicines for the treatment of ischemic stroke. <i>Bioactive Materials</i> , 2021, 6, 2854-2869.	15.6	41
17	Hispidulin alleviates high-glucose-induced podocyte injury by regulating protective autophagy. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 307-314.	5.6	36
18	Potent Anti-adhesion Barrier Combined Biodegradable Hydrogel with Multifunctional Turkish Galls Extract. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24469-24479.	8.0	36

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19	Lipid-modified cell-penetrating peptide-based self-assembly micelles for co-delivery of narciclasine and siULK1 in hepatocellular carcinoma therapy. <i>Acta Biomaterialia</i> , 2018, 74, 414-429.	8.3	35
20	Stereoselective Assembly of Multifunctional Spirocyclohexene Pyrazolones That Induce Autophagy-Dependent Apoptosis in Colorectal Cancer Cells. <i>Journal of Organic Chemistry</i> , 2019, 84, 9138-9150.	3.2	34
21	Design, synthesis, and biological evaluation of nitroisoxazole-containing spiro[pyrrolidin-oxindole] derivatives as novel glutathione peroxidase 4/mouse double minute 2 dual inhibitors that inhibit breast adenocarcinoma cell proliferation. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113359.	5.5	34
22	Target-based metabolomics for the quantitative measurement of 37 pathway metabolites in rat brain and serum using hydrophilic interaction ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2527-2542.	3.7	33
23	A Systems Pharmacology Approach to Determine Active Compounds and Action Mechanisms of Xipayi Kuijie™ an enema for Treatment of Ulcerative colitis. <i>Scientific Reports</i> , 2017, 7, 1189.	3.3	33
24	Organocatalytic Morita-Baylis-Hillman/Michael/Acetalization Cascade: Procedure-Controlled Diastereodivergence in the Asymmetric Synthesis of Fully Substituted Tetrahydropyrans. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3676-3682.	4.3	32
25	Chitosan coated pH-responsive metal-polyphenol delivery platform for melanoma chemotherapy. <i>Carbohydrate Polymers</i> , 2021, 264, 118000.	10.2	32
26	Highly Chemo- and Diastereoselective Construction of Quaternary Stereocenters through Palladium-Catalyzed [3 + 2] Cyclization of 5-Alkenyl Thiazolones. <i>Organic Letters</i> , 2019, 21, 7478-7483.	4.6	31
27	Engineering a pH/Glutathione-Responsive Tea Polyphenol Nanodevice as an Apoptosis/Ferroptosis-Inducing Agent. <i>ACS Applied Bio Materials</i> , 2020, 3, 4128-4138.	4.6	31
28	Design and Application of Chiral Bifunctional 4-Pyrrolidinopyridines: Powerful Catalysts for Asymmetric Cycloaddition of Allylic N-Ylide. <i>ACS Catalysis</i> , 2022, 12, 7221-7232.	11.2	31
29	A Valve-Closing Starvation Strategy for Amplification of Tumor-Specific Chemotherapy. <i>Advanced Science</i> , 2022, 9, e2104671.	11.2	30
30	Self-Assembled Bifunctional Peptide as Effective Drug Delivery Vector with Powerful Antitumor Activity. <i>Advanced Science</i> , 2017, 4, 1600285.	11.2	29
31	Three types of gut bacteria collaborating to improve Kui Jie™ an enema treat DSS-induced colitis in mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 113, 108751.	5.6	29
32	Combined Effects of Phosphatidylcholine and Demineralized Bone Matrix on Bone Induction. <i>Connective Tissue Research</i> , 2003, 44, 160-166.	2.3	27
33	Stereocomplex Crystallite-Based Eco-Friendly Nanofiber Membranes for Removal of Cr(VI) and Antibacterial Effects. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16072-16083.	6.7	27
34	Development of a hybrid nanocarrier-recognizing tumor vasculature and penetrating the BBB for glioblastoma multi-targeting therapy. <i>Nanoscale</i> , 2019, 11, 11285-11304.	5.6	27
35	Radical Acylalkylation of 1,3-Enynes To Access Allenic Ketones via N-Heterocyclic Carbene Organocatalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 5229-5241.	3.2	27
36	Dietary synbiotic ameliorates constipation through the modulation of gut microbiota and its metabolic function. <i>Food Research International</i> , 2021, 147, 110569.	6.2	25

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37	The Effect and Mechanism of TLR9/KLF4 in FFA-Induced Adipocyte Inflammation. Mediators of Inflammation, 2018, 2018, 1-10.	3.0	24
38	An integrated metabonomics and microbiology analysis of host-microbiota metabolic interactions in rats with Coptis chinensis-induced diarrhea. RSC Advances, 2015, 5, 79329-79341.	3.6	22
39	A Tumor-Specific Ferric-Coordinated Epigallocatechin-3-gallate cascade nanoreactor for glioblastoma therapy. Journal of Advanced Research, 2021, 34, 29-41.	9.5	22
40	Organocatalytic asymmetric synthesis of multifunctionalized $\beta$ -carboline-spirooxindole hybrids that suppressed proliferation in colorectal cancer cells. Organic Chemistry Frontiers, 2022, 9, 1048-1055.	4.5	22
41	Core-scaffold-inspired Asymmetric Synthesis of Polysubstituted Chiral Hexahydropyridazines that Potently Inhibit Breast Cancer Cell Proliferation by Inducing Apoptosis. Chemistry - A European Journal, 2015, 21, 18100-18108.	3.3	21
42	Indole-Based Small Molecules as Potential Therapeutic Agents for the Treatment of Fibrosis. Frontiers in Pharmacology, 2022, 13, 845892.	3.5	21
43	Advances in indole-containing alkaloids as potential anticancer agents by regulating autophagy. Biomedicine and Pharmacotherapy, 2022, 149, 112827.	5.6	21
44	Screening for active constituents in Turkish galls against ulcerative colitis by mass spectrometry guided preparative chromatography strategy: <i>in silico</i> , <i>in vitro</i> and <i>in vivo</i> study. Food and Function, 2018, 9, 5124-5138.	4.6	20
45	One-Pot Asymmetric Synthesis of Substituted Tetrahydrofurans <i>via</i> a Multicatalytic Benzoin/Michael/Acetalization Cascade. Advanced Synthesis and Catalysis, 2014, 356, 2311-2319.	4.3	19
46	Preparation of ellagic acid molecularly imprinted polymeric microspheres based on distillation-precipitation polymerization for the efficient purification of a crude extract. Journal of Separation Science, 2016, 39, 3098-3104.	2.5	19
47	Chemo- and Stereoselective Cross Rauhu- $\beta$ -Currier-Type Reaction of Tri-substituted Alkenes Containing Trifluoromethyl Groups. Chemistry - A European Journal, 2018, 24, 1947-1955.	3.3	17
48	Substrate-directed chemo- and regioselective synthesis of polyfunctionalized trifluoromethylarenes <i>via</i> organocatalytic benzannulation. Organic Chemistry Frontiers, 2020, 7, 563-570.	4.5	17
49	Synthesis of polysubstituted arenes through organocatalytic benzannulation. RSC Advances, 2020, 10, 40983-41003.	3.6	17
50	Hollow Microcapsules with Ulcerative Colitis Therapeutic Effects Made of Multifunctional Turkish Galls Extraction. ACS Applied Materials & Interfaces, 2019, 11, 25054-25065.	8.0	16
51	Changes Occurring in the Volatile Constituents of Flaxseed Oils (FSOs) Prepared with Diverse Roasting Conditions. European Journal of Lipid Science and Technology, 2019, 121, 1800068.	1.5	16
52	Evodiamine alleviates lipopolysaccharide-induced pulmonary inflammation and fibrosis by activating apelin pathway. Phytotherapy Research, 2021, 35, 3406-3417.	5.8	16
53	Asymmetric Synthesis of Spirocyclopentane Oxindoles <i>via</i> [2+3] Annulation with 2-(oxindolin-3-yl)malonitriles as 1,2-Carbon Bisnucleophiles. Advanced Synthesis and Catalysis, 2024, 363, 3283-3289.		16
54	Catalytic asymmetric [3 + 2] cycloaddition of pyrazolone-derived MBH carbonate: highly stereoselective construction of the bispiro-[pyrazolone-dihydropyrrole-oxindole] skeleton. Chemical Communications, 2022, 58, 5363-5366.	4.1	16

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55	Folic acid-functionalized tea polyphenol as a tumor-targeting nano-drug delivery system. <i>Materials and Design</i> , 2021, 206, 109805.	7.0	15
56	Penta-coordinate phosphorous compounds and biochemistry. <i>Science in China Series B: Chemistry</i> , 2002, 45, 337-348.	0.8	14
57	Systematic investigation of the mechanism of <i>Cichorium glandulosum</i> on type 2 diabetes mellitus accompanied with non-alcoholic fatty liver rats. <i>Food and Function</i> , 2019, 10, 2450-2460.	4.6	13
58	Synthesis of spiro(indoline-2,3-hydropyridazine) via an $\alpha$ - $\omega$ -water [4 + 2] annulation reaction. <i>Organic Chemistry Frontiers</i> , 2021, 8, 922-927.	4.5	13
59	Protecting Group-Directed Diastereodivergent Synthesis of Chiral Tetrahydronaphthalene-Fused Spirooxindoles via Bifunctional Tertiary Amine Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10349-10361.	3.2	12
60	Unconventional [2 + 3] Cyclization Involving [1,4]-Sulfonyl Transfer to Construct Polysubstituted Fluorazones as Inhibitors of Indoleamine 2,3-Dioxygenase 1. <i>Organic Letters</i> , 2020, 22, 7909-7914.	4.6	12
61	Targeted metabolomics analysis of aromatic amino acids and their gut microbiota "host cometabolites" in rat serum and urine by liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 3221-3230.	2.5	11
62	Bivalent SMAC Mimetics for Treating Cancer by Antagonizing Inhibitor of Apoptosis Proteins. <i>ChemMedChem</i> , 2019, 14, 1951-1962.	3.2	10
63	Identification and Comparison of Tannins in Gall of <i>Rhus chinensis</i> Mill. and Gall of <i>Quercus infectoria</i> Oliv. by High-Performance Liquid Chromatography-Electrospray Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2020, 58, 403-410.	1.4	10
64	All-in-One Theranostic Platform Based on Hollow Microcapsules for Intragastric Targeting Anticancer Drug Delivery, CT Imaging, and Synergistically Healing Gastric Ulcer. <i>Small</i> , 2022, 18, e2104660.	10.0	10
65	A STEPWISE ONE POT SYNTHESIS OF ALKYL THIOPHOSPHORAMIDATE DERIVATIVES OF NUCLEOSIDES. <i>Synthetic Communications</i> , 2002, 32, 1159-1167.	2.1	8
66	Alteronol inhibits the invasion and metastasis of B16F10 and B16F1 melanoma cells in vitro and in vivo. <i>Life Sciences</i> , 2014, 98, 31-38.	4.3	8
67	Stereoselective synthesis of trifluoroethyl 3,2-spirooxindole- $\beta$ -lactam through the organocatalytic cascade reaction of 3-((2,2,2-trifluoroethyl)amino)indolin-2-one. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 467-475.	2.8	8
68	Asymmetric inverse-electron-demand 1,3-dipolar cycloadditions of cyclopentadienones and thiophene-1,1-dioxide with C-, N-cyclic azomethine imines. <i>Chemical Communications</i> , 2022, 58, 5502-5505.	4.1	8
69	Organocatalytic (5+1) benzannulation of Morita-Baylis-Hillman carbonates: synthesis of multisubstituted 4-benzylidene pyrazolones. <i>New Journal of Chemistry</i> , 2022, 46, 11617-11622.	2.8	8
70	Determination of Isoliquiritigenin and Its Distribution in Mice by Synchronous Fluorescence Spectrometry. <i>Analytical Sciences</i> , 2011, 27, 1115-1119.	1.6	7
71	Simultaneous determination of gallic acid, methyl gallate, and 1,3,6-tri-O-galloyl- $\beta$ -D-glucose from Turkish galls in rat plasma using liquid chromatography-tandem mass spectrometry and its application to pharmacokinetics study. <i>Biomedical Chromatography</i> , 2020, 34, e4916.	1.7	7
72	Recent Advances in Characterizing Natural Products that Regulate Autophagy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 19, 2177-2196.	1.7	6

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73	Stepwise tracking strategy to screen ingredient from <i>Galla Chinensis</i> based on the mass spectrometry guided preparative chromatography coupled with systems pharmacology. <i>Journal of Ethnopharmacology</i> , 2022, 284, 114533.	4.1	6
74	Isoliquiritigenin extracted from licorice <i>Glycyrrhiza uralensis</i> roots by a facile conversion technique. <i>Chemistry of Natural Compounds</i> , 2010, 46, 523-527.	0.8	5
75	The Long-Term Fate and Toxicity of PEG-Modified Single-Walled Carbon Nanotube Isoliquiritigenin Delivery Vehicles in Rats. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	5
76	The Comparison of <i>Cinnamomi Cortex</i> and <i>Cinnamomum burmannii</i> Blume Using <sup>1</sup> H NMR and GC-MS Combined with Multivariate Data Analysis. <i>Food Analytical Methods</i> , 2016, 9, 2419-2428.	2.6	5
77	Highly Chemoselective [2+1] Annulation of $\alpha$ -Alkylidene Pyrazolones with $\alpha$ -Bromonitroalkenes: Synthesis of Pyrazolone-Based Vinylcyclopropanes and Computational Studies. <i>Journal of Organic Chemistry</i> , 2021, 86, 2582-2592.	3.2	5
78	Construction of CF <sub>3</sub> -Functionalized Fully Substituted Benzonitriles through Rauhut's Currier Reaction Initiated [3 + 3] Benzannulation. <i>Journal of Organic Chemistry</i> , 2021, 86, 14844-14854.	3.2	5
79	Identification of the chemical constituents in <i>Cullen corylifolium</i> ethanolic extract by LC-MS/MS and GC-MS. <i>Natural Product Research</i> , 2023, 37, 1392-1396.	1.8	5
80	Penta-Coordinate Phosphorus Compounds and Biochemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1391-1396.	1.6	4
81	A Convenient Two-Step One-Pot Synthesis of Alkylthiophosphoramidates Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 641-646.	1.6	4
82	Cardioprotective Effect of the Aqueous Extract of Lavender Flower against Myocardial Ischemia/Reperfusion Injury. <i>Journal of Chemistry</i> , 2014, 2014, 1-6.	1.9	4
83	Blast-Induced Damage on Millisecond Blasting Model Test with Multicircle Vertical Blastholes. <i>Shock and Vibration</i> , 2015, 2015, 1-6.	0.6	4
84	Construction of Oxo-Bridged Diazocines via Rhodium-Catalyzed (4+3) Cycloaddition of Carbonyl Ylides with Azoalkenes. <i>Organic Letters</i> , 2022, 24, 1362-1366.	4.6	4
85	ROS-responsive microcapsule assembly from Turkish galls for ulcerative colitis therapy. <i>New Journal of Chemistry</i> , 2021, 45, 21775-21787.	2.8	3
86	Sulphur ylide-mediated cyclopropanation and subsequent spirocyclopropane rearrangement reactions. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	2
87	Determination of Quinic Acids in <i>Helichrysum arenarium</i> (L.) Moench by Ultrafiltration Affinity and Ultra-High-Performance Liquid Chromatography Coupled with Quadrupole-Time-of-Flight Mass Spectrometry (UF-UPLC-Q-TOF-MS). <i>Analytical Letters</i> , 2021, 54, 772-789.	1.8	1
88	Studies on Synthesis and Intramolecular Catalyzed Hydrolysis of Thiophosphoramidate Derivatives of Nucleoside. <i>Chinese Journal of Chemistry</i> , 2002, 20, 1434-1438.	4.9	0
89	Frontispiece: Core-scaffold-inspired Asymmetric Synthesis of Polysubstituted Chiral Hexahydropyridazines that Potently Inhibit Breast Cancer Cell Proliferation by Inducing Apoptosis. <i>Chemistry - A European Journal</i> , 2015, 21, .	3.3	0