

Guan-Hu Bao

List of Publications by Year in descending order

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73
papers

2,299
citations

236925
25
h-index

233421
45
g-index

76
all docs

76
docs citations

76
times ranked

2448
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron traffics in circulation bound to a siderocalin (Ngal)â€“catechol complex. <i>Nature Chemical Biology</i> , 2010, 6, 602-609.	8.0	270
2	Brick dark tea: a review of the manufacture, chemical constituents and bioconversion of the major chemical components during fermentation. <i>Phytochemistry Reviews</i> , 2015, 14, 499-523.	6.5	131
3	Inhibition of α -glucosidase and α -amylase by flavonoid glycosides from Lu'an GuaPian tea: molecular docking and interaction mechanism. <i>Food and Function</i> , 2018, 9, 4173-4183.	4.6	121
4	Changes of major tea polyphenols and production of four new B-ring fission metabolites of catechins from post-fermented Jing-Wei Fu brick tea. <i>Food Chemistry</i> , 2015, 170, 110-117.	8.2	111
5	Investigation on biochemical compositional changes during the microbial fermentation process of Fu brick tea by LCâ€“MS based metabolomics. <i>Food Chemistry</i> , 2015, 186, 176-184.	8.2	83
6	Metabolomics Based on UHPLC-Orbitrap-MS and Global Natural Product Social Molecular Networking Reveals Effects of Time Scale and Environment of Storage on the Metabolites and Taste Quality of Raw Pu-erh Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12084-12093.	5.2	79
7	Novel triterpenoid saponins from residual seed cake of <i>Camellia oleifera</i> Abel. show anti-proliferative activity against tumor cells. <i>FÃ¼rterapÃ¤t</i> , 2015, 104, 7-13.	2.2	67
8	Fuzhuanins A and B: The B-ring Fission Lactones of Flavan-3-ols from Fuzhuan Brick-Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6982-6990.	5.2	66
9	TMDB: A literature-curated database for small molecular compounds found from tea. <i>BMC Plant Biology</i> , 2014, 14, 243.	3.6	66
10	Diterpenoids from the Flowers of <i>Rhododendron molle</i> . <i>Journal of Natural Products</i> , 2004, 67, 1903-1906.	3.0	62
11	Novel Flavoalkaloids from White Tea with Inhibitory Activity against the Formation of Advanced Glycation End Products. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4621-4629.	5.2	60
12	Novel Acylated Flavonol Tetraglycoside with Inhibitory Effect on Lipid Accumulation in 3T3-L1 Cells from Lu'an GuaPian Tea and Quantification of Flavonoid Glycosides in Six Major Processing Types of Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2999-3005.	5.2	46
13	Flavoalkaloids with a Pyrrolidinone Ring from Chinese Ancient Cultivated Tea Xi-Gui. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7948-7957.	5.2	46
14	Disposal of iron by a mutant form of lipocalin 2. <i>Nature Communications</i> , 2016, 7, 12973.	12.8	43
15	A New Saponin from Tea Seed Pomace (<i>Camellia oleifera</i> Abel) and Its Protective Effect on PC12 Cells. <i>Molecules</i> , 2012, 17, 11721-11728.	3.8	41
16	Novel acetylcholinesterase inhibitors from Zijuan tea and biosynthetic pathway of caffeoylated catechin in tea plant. <i>Food Chemistry</i> , 2017, 237, 1172-1178.	8.2	41
17	Langduin C, a novel dimeric diterpenoid from the roots of <i>Euphorbia fischeriana</i> . <i>Tetrahedron Letters</i> , 2003, 44, 135-137.	1.4	39
18	Morphinane Alkaloids with Cell Protective Effects from <i>Sinomenium acutum</i> . <i>Journal of Natural Products</i> , 2005, 68, 1128-1130.	3.0	39

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19	Optimization of paeonol-loaded poly(butyl-2-cyanoacrylate) nanocapsules by central composite design with response surface methodology together with the antibacterial properties. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 189-199.	4.0	39
20	Effects of dynamic and static withering technology on volatile and nonvolatile components of Keemun black tea using GC-MS and HPLC combined with chemometrics. <i>LWT - Food Science and Technology</i> , 2020, 130, 109547.	5.2	39
21	New Limonoids and a Dihydrobenzofuran Norlignan from the Roots of <i>Toona sinensis</i> . <i>Molecules</i> , 2013, 18, 2840-2850.	3.8	35
22	Flavone glucosides with immunomodulatory activity from the leaves of <i>Pleioblastus amarus</i> . <i>Phytochemistry</i> , 2004, 65, 969-974.	2.9	34
23	Diterpenoid and Phenolic Glycosides from the Roots of <i>Rhododendron molle</i> . <i>Planta Medica</i> , 2003, 69, 434-439.	1.3	31
24	EGCG inhibit chemical reactivity of iron through forming an Ngã€“EGCGã€“iron complex. <i>BioMetals</i> , 2013, 26, 1041-1050.	4.1	31
25	Detection and quantification of flavoalkaloids in different tea cultivars and during tea processing using UPLC-TOF-MS/MS. <i>Food Chemistry</i> , 2021, 339, 127864.	8.2	28
26	The ligands of neutrophil gelatinase-associated lipocalin. <i>RSC Advances</i> , 2015, 5, 104363-104374.	3.6	25
27	Metabolic Effect of an Exogenous Gene on Transgenic <i>Beauveria bassiana</i> Using Liquid Chromatographyã€“Mass Spectrometry-Based Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7008-7017.	5.2	24
28	Î±-Glucosidase Inhibitory Activities and the Interaction Mechanism of Novel Spiro-Flavoalkaloids from YingDe Green Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 136-148.	5.2	24
29	Differential metabolic responses of <i>Beauveria bassiana</i> cultured in pupae extracts, root exudates and its interactions with insect and plant. <i>Journal of Invertebrate Pathology</i> , 2015, 130, 154-164.	3.2	23
30	Two New Oleanane-Type Saponins with Anti-Proliferative Activity from <i>Camellia oleifera</i> Abel. Seed Cake. <i>Molecules</i> , 2016, 21, 188.	3.8	23
31	A new anti-proliferative acylated flavonol glycoside from Fuzhuan brick-tea. <i>Natural Product Research</i> , 2016, 30, 2637-2641.	1.8	23
32	Interaction between Ester-Type Tea Catechins and Neutrophil Gelatinase-Associated Lipocalin: Inhibitory Mechanism. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1147-1156.	5.2	23
33	Enantiomeric Trimethylallantoin Monomers, Dimers, and Trimethyltriuret: Evidence for an Alternative Catabolic Pathway of Caffeine in Tea Plant. <i>Organic Letters</i> , 2019, 21, 5147-5151.	4.6	23
34	Feature-Based Molecular Networking Analysis of the Metabolites Produced by <i>In Vitro</i> Solid-State Fermentation Reveals Pathways for the Bioconversion of Epigallocatechin Gallate. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7995-8007.	5.2	23
35	New Tyrosinase Inhibitors from <i>Paecilomyces gunnii</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11917-11923.	5.2	22
36	Brewing and volatiles analysis of three tea beers indicate a potential interaction between tea components and lager yeast. <i>Food Chemistry</i> , 2016, 197, 161-167.	8.2	22

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37	Two Pairs of Isomerically New Phenylpropanoidated Epicatechin Gallates with Neuroprotective Effects on H ₂ O ₂ -Injured SH-SY5Y Cells from Zijuan Green Tea and Their Changes in Fresh Tea Leaves Collected from Different Months and Final Product. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4831-4838.	5.2	21
38	Novel Cinnamoylated Flavoalkaloids Identified in Tea with Acetylcholinesterase Inhibition Effect. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3140-3148.	5.2	21
39	Discovery of <i>Camellia sinensis</i> catechins as SARS-CoV-2 3CL protease inhibitors through molecular docking, intra and extra cellular assays. <i>Phytomedicine</i> , 2022, 96, 153853.	5.3	21
40	Sinoracutine, a novel skeletal alkaloid with cell-protective effects from <i>Sinomenium acutum</i> . <i>Tetrahedron Letters</i> , 2009, 50, 4375-4377.	1.4	20
41	Camellimidazole A-C, Three Methylene-Bridged Dimeric Imidazole Alkaloids from Keemun Black Tea. <i>Organic Letters</i> , 2018, 20, 2672-2675.	4.6	19
42	Discovery of Neolignan Glycosides with Acetylcholinesterase Inhibitory Activity from Huangjinya Green Tea Guided by Ultra Performance Liquid Chromatography-Tandem Mass Spectrometry Data and Global Natural Product Social Molecular Networking. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11986-11993.	5.2	19
43	Note: A new 1,5-seco grayanotoxin from <i>Rhododendron decorum</i> . <i>Journal of Asian Natural Products Research</i> , 2005, 7, 87-90.	1.4	18
44	Purification and structural characterization of a simple catechol, the NGAL-siderocalin siderophore in human urine. <i>RSC Advances</i> , 2015, 5, 28527-28535.	3.6	17
45	Oleiferasaponin C ₆ from the seeds of <i>Camellia oleifera</i> Abel.: a novel compound inhibits proliferation through inducing cell-cycle arrest and apoptosis on human cancer cell lines in vitro. <i>RSC Advances</i> , 2016, 6, 91386-91393.	3.6	16
46	Metabolomic variation in wild and cultured cordyceps and mycelia of <i>Isaria cicadae</i> . <i>Biomedical Chromatography</i> , 2019, 33, e4478.	1.7	15
47	Antineoplastic Agents. 587. Isolation and Structure of 3-Epipancreatistatin from <i>Narcissus</i> cv. Ice Follies. <i>Journal of Natural Products</i> , 2012, 75, 771-773.	3.0	14
48	Imaging mass spectrometry-guided fast identification of antifungal secondary metabolites from <i>Penicillium polonicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8493-8500.	3.6	14
49	Ethyl Rosmarinate Protects High Glucose-Induced Injury in Human Endothelial Cells. <i>Molecules</i> , 2018, 23, 3372.	3.8	13
50	Large-leaf yellow tea attenuates high glucose-induced vascular endothelial cell injury by up-regulating autophagy and down-regulating oxidative stress. <i>Food and Function</i> , 2022, 13, 1890-1905.	4.6	13
51	Chemical composition and antibacterial activity of 12 medicinal plant ethyl acetate extracts using LC-MS feature-based molecular networking. <i>Phytochemical Analysis</i> , 2022, 33, 473-489.	2.4	13
52	Comparison of cytotoxic extracts from fruiting bodies, infected insects and cultured mycelia of <i>Cordyceps formosana</i> . <i>Food Chemistry</i> , 2014, 145, 1066-1071.	8.2	12
53	Rat plasma protein binding of kaempferol-O- α -rutoside from Lu'an GuaPian tea and its anti-inflammatory mechanism for cardiovascular protection. <i>Journal of Food Biochemistry</i> , 2021, 45, e13749.	2.9	12
54	Two new Limonoids from <i>Munronia Henryi</i> . <i>Natural Product Research</i> , 2004, 18, 415-419.	1.8	11

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55	Identification and production of a novel natural pigment, cordycepid A, from <i>Cordyceps bifusispora</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6241-6249.	3.6	11
56	Discovery and Targeted Isolation of Phenylpropanoid-Substituted Ester-Catechins Using UPLC-Q/TOF-HRMS/MS-Based Molecular Networks: Implication of the Reaction Mechanism among Polyphenols during Green Tea Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4827-4839.	5.2	10
57	N-ethyl-2-pyrrolidinone substitution enhances binding affinity between tea flavoalkaloids and human serum albumin: Greatly influenced by esterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120097.	3.9	10
58	Metabolites and novel compounds with anti-microbial or antiaging activities from <i>Cordyceps fumosorosea</i> . <i>AMB Express</i> , 2022, 12, 40.	3.0	9
59	Kaempferol-3-O- α -rutoside exerts cardioprotective effects through NF- κ B/NLRP3/Caspase-1 pathway in ventricular remodeling after acute myocardial infarction. <i>Journal of Food Biochemistry</i> , 2022, 46, .	2.9	9
60	Biocompatible green tea extract-stabilised zinc nanoparticles encapsulated by poly(butyl-2-cyanoacrylate) with control release profile and antioxidative capacity. <i>International Journal of Food Science and Technology</i> , 2020, 55, 2981-2989.	2.7	8
61	Basidiosins A and B: Cyclopentapeptides from the entomophthoralean fungus <i>Basidiobolus meristosporus</i> . <i>FÄ-toterapÄ-Ä</i> , 2020, 146, 104671.	2.2	7
62	Identification and quantification of hydroxycinnamoylated catechins in tea by targeted UPLC-MS using synthesized standards and their potential use in discrimination of tea varieties. <i>LWT - Food Science and Technology</i> , 2021, 142, 110963.	5.2	7
63	Two new compounds from the flowers of <i>Rhododendron molle</i> . <i>Chinese Journal of Natural Medicines</i> , 2014, 11, 525-527.	1.3	7
64	Novel polymeric biomaterial poly(butyl-2-cyanoacrylate) nanowires: synthesis, characterization and formation mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 454-462.	5.0	6
65	Chemistry and Pharmacology of Natural Catechins from <i>Camellia sinensis</i> as anti-MRSA agents. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 1519-1537.	2.1	5
66	Flavonoids in LuÄ™an GuaPian tea as potential inhibitors of TMAÄ–lyase in acute myocardial infarction. <i>Journal of Food Biochemistry</i> , 2022, , e14110.	2.9	5
67	Discovery of potential biomarkers in acute kidney injury by ultra-high-performance liquid chromatography-tandem quadrupole time-of-flight mass spectrometry (UPLC-Q/TOFÄ–MS). <i>International Urology and Nephrology</i> , 2021, 53, 2635-2643.	1.4	4
68	Efficient development of antibacterial (α)-epigallocatechin gallate-PBCA nanoparticles using ethyl acetate as oil phase through interfacial polymerization. <i>Food Bioscience</i> , 2021, 44, 101432.	4.4	3
69	Effect of tea root-derived proanthocyanidin fractions on protection of dentin collagen. <i>Journal of International Medical Research</i> , 2020, 48, 030006051989130.	1.0	2
70	A New Fatty Acid from the Leaves and Stems of <i>Clerodendron trichotomum</i> . <i>Chemistry of Natural Compounds</i> , 2014, 50, 65-67.	0.8	1
71	Metabolites composition and variation in processing waste of water chestnut. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1141-1150.	2.7	1
72	Two novel enantiomers from metarhizium flavoviride and their inhibitory activities against β -glucosidase. <i>Journal of Molecular Structure</i> , 2022, 1264, 133322.	3.6	1

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73	Two new compounds from the flowers of <i>Rhododendron molle</i> . Chinese Journal of Natural Medicines, 2013, 11, 525-527.	1.3	0