Dan Hu

List of Publications by Year
in descending order

66 papers	1,127 citations	394421 19 h-index	477307 29 g-index
67 all docs	67 docs citations	67 times ranked	1272 citing authors

#	Article	IF	Citations
1	Dimericbiscognienyne A: A Meroterpenoid Dimer from Biscogniauxia sp. with New Skeleton and Its Activity. Organic Letters, 2017, 19, 38-41.	4.6	68
2	Development of a versatile and conventional technique for gene disruption in filamentous fungi based on CRISPR-Cas9 technology. Scientific Reports, 2017, 7, 9250.	3.3	67
3	Biosynthesis of helvolic acid and identification of an unusual C-4-demethylation process distinct from sterol biosynthesis. Nature Communications, 2017, 8, 1644.	12.8	67
4	Biosynthesis of LLâ€Z1272Î²: Discovery of a New Member of NRPSâ€like Enzymes for Arylâ€Aldehyde Formation. ChemBioChem, 2016, 17, 904-907.	2.6	59
5	Triligustilides A and B: Two Pairs of Phthalide Trimers from Angelica sinensis with a Complex Polycyclic Skeleton and Their Activities. Organic Letters, 2018, 20, 884-887.	4.6	44
6	Lectin Engineering, a Molecular Evolutionary Approach to Expanding the Lectin Utilities. Molecules, 2015, 20, 7637-7656.	3.8	42
7	Biosynthetic pathway for furanosteroid demethoxyviridin and identification of an unusual pregnane side-chain cleavage. Nature Communications, 2018, 9, 1838.	12.8	35
8	Same data, different structures: diastereoisomers with substantially identical NMR data from nature. Chemical Communications, 2016, 52, 1250-1253.	4.1	34
9	Aldgamycins Jâ€“O, 16-Membered Macrolides with a Branched Octose Unit from Streptomycetes sp. and Their Antibacterial Activities. Journal of Natural Products, 2016, 79, 2446-2454.	3.0	29
10	Biosynthesis of Biscognienyneâ€…B Involving a Cytochrome P450â€Dependent Alkynylation. Angewandte Chemie - International Edition, 2020, 59, 13531-13536.	13.8	29
11	Biosynthesis of alkyne-containing natural products. RSC Chemical Biology, 2021, 2, 166-180.	4.1	29
12	Biosynthesis of clinically used antibiotic fusidic acid and identification of two short-chain dehydrogenase/reductases with converse stereoselectivity. Acta Pharmaceutica Sinica B, 2019, 9, 433-442.	12.0	28
13	Identification and characterization of N9-methyltransferase involved in converting caffeine into non-stimulatory theacrine in tea. Nature Communications, 2020, 11, 1473.	12.8	27
14	Catalytic role of carbonyl oxygens and water in selinadiene synthase. Nature Catalysis, 2022, 5, 128-135.	34.4	25
15	Mechanistic Characterization of the Fusicoccane-type Diterpene Synthase for Myrothec-15(17)-en-7-ol. ACS Catalysis, 2020, 10, 4306-4312.	11.2	24
16	Biosynthesis of an anti-tuberculosis sesterterpenoid asperterpenoid A. Organic and Biomolecular Chemistry, 2019, 17, 248-251.	2.8	23
17	Three pairs of variecolortide enantiomers from Eurotium sp. with caspase-3 inhibitory activity. FÃ¬toterapÃ¬Ã¢, 2014, 92, 252-259.	2.2	22
18	Xylariterpenoids Aâ€“D, four new sesquiterpenoids from the Xylariaceae fungus. RSC Advances, 2014, 4, 54144-54148.	3.6	21

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19	Nodulisporisteroids Câ€“L, new 4-methyl-progesteroid derivatives from Nodulisporium sp.. Steroids, 2015, 102, 101-109.	1.8	20
20	Biosynthetic Study of Cephalosporin P₁ Reveals a Multifunctional P450 Enzyme and a Site-Selective Acetyltransferase. ACS Chemical Biology, 2020, 15, 44-51.	3.4	20
21	Cladosporine A, a new indole diterpenoid alkaloid with antimicrobial activities from Cladosporium sp.. Natural Product Research, 2021, 35, 1115-1121.	1.8	20
22	Heterodimeric Non-heme Iron Enzymes in Fungal Meroterpenoid Biosynthesis. Journal of the American Chemical Society, 2021, 143, 21425-21432.	13.7	20
23	Stachybisbins A and B, the first cases of seco-bisabosquals from Stachybotrys bisbyi. FÃ¬toterapÃ¬Ã¢, 2015, 105, 151-155.	2.2	19
24	4-Hydroxy Pyridones from Heterologous Expression and Cultivation of the Native Host. Journal of Natural Products, 2020, 83, 3338-3346.	3.0	19
25	Sporormiellin A, the first tetrahydrofuran-fused furochromone with an unprecedented tetracyclic skeleton from Sporormiella minima. RSC Advances, 2014, 4, 24295-24299.	3.6	16
26	Chalcomycins from Marine-Derived Streptomyces sp. and Their Antimicrobial Activities. Marine Drugs, 2017, 15, 153.	4.6	16
27	Dimericbiscognienynes B and C: New diisoprenyl-cyclohexene-type meroterpenoid dimers from Biscogniauxia sp.. Chinese Chemical Letters, 2019, 30, 51-54.	9.0	16
28	Sporormielones Aâ€“E, bioactive novel Câ€“C coupled orsellinic acid derivative dimers, and their biosynthetic origin. Chemical Communications, 2020, 56, 4607-4610.	4.1	16
29	Pericolactines Aâ€“C, a New Class of Diterpenoid Alkaloids with Unusual Tetracyclic Skeleton. Scientific Reports, 2015, 5, 17082.	3.3	14
30	A New Gestational Diabetes Mellitus Model, Hyperglycemia-Induced Eye Malformation via Inhibiting Pax6 in Chick Embryo. DMM Disease Models and Mechanisms, 2016, 9, 177-86.	2.4	14
31	A set of interesting sequoiatones stereoisomers from a wetland soil-derived fungus Talaromyces flavus. Acta Pharmaceutica Sinica B, 2017, 7, 167-172.	12.0	14
32	Diisoprenyl-cyclohexene/ane-Type Meroterpenoids from Biscogniauxia sp. and Their Anti-inflammatory Activities. Journal of Organic Chemistry, 2021, 86, 11177-11188.	3.2	14
33	A New Xanthone Glycoside from the Endolichenic Fungus Sporormiella irregularis. Molecules, 2016, 21, 764.	3.8	13
34	Three Pairs of New Isopentenyl Dibenzo[b,e]oxepinone Enantiomers from Talaromyces flavus, a Wetland Soil-Derived Fungus. Molecules, 2016, 21, 1184.	3.8	13
35	Houttuynoid M, an Anti-HSV Active Houttuynoid from Houttuynia cordata Featuring a Bis-houttuynin Chain Tethered to a Flavonoid Core. Journal of Natural Products, 2017, 80, 3010-3013.	3.0	13
36	A new cinnamamide derivative and two new Î²-carboline alkaloids from the stems of Picrasma quassioides. FÃ¬toterapÃ¬Ã¢, 2019, 139, 104375.	2.2	13

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37	4,5-seco-Probotryenols Aâ€“C, a new type of sesquiterpenoids from Stachybotrys bisbyi. RSC Advances, 2015, 5, 46252-46259.	3.6	10
38	A Single Gene Cluster for Chalcomycins and Aldgamycins: Genetic Basis for Bifurcation of Their Biosynthesis. ChemBioChem, 2016, 17, 1241-1249.	2.6	10
39	Abnormal O-GlcNAcylation of Pax3 Occurring from Hyperglycemia-Induced Neural Tube Defects Is Ameliorated by Carnosine But Not Folic Acid in Chicken Embryos. Molecular Neurobiology, 2017, 54, 281-294.	4.0	10
40	N-methoxy-Î²-carboline alkaloids with inhibitory activities against AÎ²42 aggregation and acetylcholinesterase from the stems of Picrasma quassioides. Bioorganic Chemistry, 2020, 101, 104043.	4.1	10
41	Adeninealkylresorcinol, the first alkylresorcinol tethered with nucleobase from Lasiodiplodia sp.. FÃ¬toterapÃ¬Ã¢, 2016, 112, 254-259.	2.2	9
42	Phyllomeroterpenoids A-C, Multi-biosynthetic Pathway Derived Meroterpenoids from the TCM Endophytic Fungus Phyllosticta sp. and their Antimicrobial Activities. Scientific Reports, 2017, 7, 12925.	3.3	9
43	Extensive expansion of the chemical diversity of fusidane-type antibiotics using a stochastic combinational strategy. Acta Pharmaceutica Sinica B, 2021, 11, 1676-1685.	12.0	9
44	Engineering of a 3â€²-sulpho-GalÎ²1-4GlcNAc-specific probe by a single amino acid substitution of a fungal galectin. Journal of Biochemistry, 2015, 157, 197-200.	1.7	8
45	Subcellular distribution of endogenous malectin under rest and stress conditions is regulated by ribophorin I. Glycobiology, 2018, 28, 374-381.	2.5	8
46	Biosynthesis of Triterpenoid Natural Products. , 2020, , 577-612.		8
47	Biosynthesis of Biscognienyneâ€…B Involving a Cytochrome P450â€Dependent Alkynylation. Angewandte Chemie, 2020, 132, 13633-13638.	2.0	7
48	Recent advances in dissecting the demethylation reactions in natural product biosynthesis. Current Opinion in Chemical Biology, 2020, 59, 47-53.	6.1	7
49	Directed Evolution of Lectins by an Improved Error-Prone PCR and Ribosome Display Method. Methods in Molecular Biology, 2014, 1200, 527-538.	0.9	7
50	New phthalide derivatives from the Biscogniauxia sp. and their activities. FÃ¬toterapÃ¬Ã¢, 2019, 137, 104184.	2.2	6
51	Tripodalsporormielones Aâ€“C, unprecedented cage-like polyketides with complex polyvdent bridged and fused ring systems. Acta Pharmaceutica Sinica B, 2021, 11, 3648-3654.	12.0	6
52	Pericocins Aâ€“D, New Bioactive Compounds from Periconia sp. Natural Product Communications, 2015, 10, 1934578X1501001.	0.5	5
53	A Pair of New Polyketide Enantiomers from Three Endolichenic Fungal Strains Nigrospora sphaerica, Alternaria alternata, and Phialophora sp. Natural Product Communications, 2016, 11, 1934578X1601100.	0.5	5
54	Discovery and characterization of a novel sub-group of UbiA-type terpene cyclases with a distinct motif I. Organic Chemistry Frontiers, 2022, 9, 3057-3060.	4.5	5

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55	Characterization of Methyltransferase AlmCII in Chalcomycin Biosynthesis: The First TylF Family Oâ€Methyltransferase Works on a 4â€²â€Deoxysugar. ChemBioChem, 2017, 18, 1510-1517.	2.6	4
56	Sporormminone A and 2-epi-sporormminone A, two new chromones from an endolichenic fungus Sporormiella irregularis. Natural Product Research, 2020, 34, 3117-3124.	1.8	3
57	The importance of researches on the fungal bioactive secondary metabolites in developing the comprehensive health industry. Chinese Journal of Natural Medicines, 2020, 18, 241-242.	1.3	3
58	Two New Diterpenoids from Biscogniauxia sp. and Their Activities. Frontiers in Chemistry, 2021, 9, 749272.	3.6	3
59	Biotransformation of Î±-asarone by Alternaria longipes CGMCC 3.2875. Chinese Journal of Natural Medicines, 2021, 19, 700-705.	1.3	3
60	A pair of new tirucallane triterpenoid epimers from the stems of Picrasma quassioides. Chinese Journal of Natural Medicines, 2019, 17, 906-911.	1.3	2
61	A four-protein metabolon assembled by a small peptide protein creates the pentacyclic carbonate ring of aldgamycins. Acta Pharmaceutica Sinica B, 2021, 11, 588-597.	12.0	2
62	The Oxidation Cascade of a Rare Multifunctional P450 Enzyme Involved in Asperterpenoid A Biosynthesis. Frontiers in Chemistry, 2021, 9, 785431.	3.6	2
63	Discovery and analysis of a new class of triterpenes derived from hexaprenyl pyrophosphate. Engineering Microbiology, 2022, 2, 100035.	4.7	2
64	Six new degraded steroids including an unprecedented 4-methyl-androstane with oxabicyclo[3.2.1]octane moiety from Nodulisporium sp.. Tetrahedron, 2021, 84, 132016.	1.9	1
65	Preparation of Soluble Malectin and Its Tetramer. Methods in Molecular Biology, 2020, 2132, 285-294.	0.9	0
66	Transformation of Galectin into Î±GalNAc-Specific Lectin. Methods in Molecular Biology, 2022, 2442, 233-245.	0.9	0