

# Dan Hu

## List of Publications by Year in descending order

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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	Catalytic role of carbonyl oxygens and water in selinadiene synthase. <i>Nature Catalysis</i> , 2022, 5, 128-135.	34.4	25
2	Transformation of Galectin into $\hat{\pm}$ GalNAc-Specific Lectin. <i>Methods in Molecular Biology</i> , 2022, 2442, 233-245.	0.9	0
3	Discovery and characterization of a novel sub-group of UbiA-type terpene cyclases with a distinct motif I. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3057-3060.	4.5	5
4	Discovery and analysis of a new class of triterpenes derived from hexaprenyl pyrophosphate. <i>Engineering Microbiology</i> , 2022, 2, 100035.	4.7	2
5	A four-protein metabolon assembled by a small peptide protein creates the pentacyclic carbonate ring of aldgamycins. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 588-597.	12.0	2
6	Biosynthesis of alkyne-containing natural products. <i>RSC Chemical Biology</i> , 2021, 2, 166-180.	4.1	29
7	Cladosporine A, a new indole diterpenoid alkaloid with antimicrobial activities from <i>Cladosporium</i> sp.. <i>Natural Product Research</i> , 2021, 35, 1115-1121.	1.8	20
8	Six new degraded steroids including an unprecedented 4-methyl-androstane with oxabicyclo[3.2.1]octane moiety from <i>Nodulisporium</i> sp.. <i>Tetrahedron</i> , 2021, 84, 132016.	1.9	1
9	Diisoprenyl-cyclohexene/jane-Type Meroterpenoids from <i>Biscogniauxia</i> sp. and Their Anti-inflammatory Activities. <i>Journal of Organic Chemistry</i> , 2021, 86, 11177-11188.	3.2	14
10	Tripodalsporormielones $\hat{\pm}$ C, unprecedented cage-like polyketides with complex polydent bridged and fused ring systems. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3648-3654.	12.0	6
11	Extensive expansion of the chemical diversity of fusidane-type antibiotics using a stochastic combinational strategy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1676-1685.	12.0	9
12	Two New Diterpenoids from <i>Biscogniauxia</i> sp. and Their Activities. <i>Frontiers in Chemistry</i> , 2021, 9, 749272.	3.6	3
13	Biotransformation of $\hat{\pm}$ -asarone by <i>Alternaria longipes</i> CGMCC 3.2875. <i>Chinese Journal of Natural Medicines</i> , 2021, 19, 700-705.	1.3	3
14	Heterodimeric Non-heme Iron Enzymes in Fungal Meroterpenoid Biosynthesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 21425-21432.	13.7	20
15	The Oxidation Cascade of a Rare Multifunctional P450 Enzyme Involved in Asperterpenoid A Biosynthesis. <i>Frontiers in Chemistry</i> , 2021, 9, 785431.	3.6	2
16	Spororrminone A and 2- <i>epi</i> -spororrminone A, two new chromones from an endolichenic fungus <i>Sporormiella irregularis</i> . <i>Natural Product Research</i> , 2020, 34, 3117-3124.	1.8	3
17	Biosynthetic Study of Cephalosporin P <sub>1</sub> Reveals a Multifunctional P450 Enzyme and a Site-Selective Acetyltransferase. <i>ACS Chemical Biology</i> , 2020, 15, 44-51.	3.4	20
18	4-Hydroxy Pyridones from Heterologous Expression and Cultivation of the Native Host. <i>Journal of Natural Products</i> , 2020, 83, 3338-3346.	3.0	19

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19	Biosynthesis of Biscognienyneâ€¦B Involving a Cytochrome P450â€œDependent Alkynylation. <i>Angewandte Chemie</i> , 2020, 132, 13633-13638.	2.0	7
20	Biosynthesis of Biscognienyneâ€¦B Involving a Cytochrome P450â€œDependent Alkynylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13531-13536.	13.8	29
21	Biosynthesis of Triterpenoid Natural Products. , 2020, , 577-612.		8
22	The importance of researches on the fungal bioactive secondary metabolites in developing the comprehensive health industry. <i>Chinese Journal of Natural Medicines</i> , 2020, 18, 241-242.	1.3	3
23	Recent advances in dissecting the demethylation reactions in natural product biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2020, 59, 47-53.	6.1	7
24	Mechanistic Characterization of the Fusicoccane-type Diterpene Synthase for <i>Myrothec-15(17)-en-7-ol</i> . <i>ACS Catalysis</i> , 2020, 10, 4306-4312.	11.2	24
25	Sporormielones Aâ€œE, bioactive novel Câ€œC coupled orsellinic acid derivative dimers, and their biosynthetic origin. <i>Chemical Communications</i> , 2020, 56, 4607-4610.	4.1	16
26	Identification and characterization of N9-methyltransferase involved in converting caffeine into non-stimulatory theacrine in tea. <i>Nature Communications</i> , 2020, 11, 1473.	12.8	27
27	N-methoxy-Î²-carboline alkaloids with inhibitory activities against AÎ²42 aggregation and acetylcholinesterase from the stems of <i>Picrasma quassioides</i> . <i>Bioorganic Chemistry</i> , 2020, 101, 104043.	4.1	10
28	Preparation of Soluble Malectin and Its Tetramer. <i>Methods in Molecular Biology</i> , 2020, 2132, 285-294.	0.9	0
29	Dimericbiscognienynes B and C: New diisoprenyl-cyclohexene-type meroterpenoid dimers from <i>Biscogniauxia</i> sp.. <i>Chinese Chemical Letters</i> , 2019, 30, 51-54.	9.0	16
30	A new cinnamamide derivative and two new Î²-carboline alkaloids from the stems of <i>Picrasma quassioides</i> . <i>FÃ-toterapÃ-Ãç</i> , 2019, 139, 104375.	2.2	13
31	Biosynthesis of an anti-tuberculosis sesterterpenoid asperterpenoid A. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 248-251.	2.8	23
32	New phthalide derivatives from the <i>Biscogniauxia</i> sp. and their activities. <i>FÃ-toterapÃ-Ãç</i> , 2019, 137, 104184.	2.2	6
33	A pair of new tirucallane triterpenoid epimers from the stems of <i>Picrasma quassioides</i> . <i>Chinese Journal of Natural Medicines</i> , 2019, 17, 906-911.	1.3	2
34	Biosynthesis of clinically used antibiotic fusidic acid and identification of two short-chain dehydrogenase/reductases with converse stereoselectivity. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 433-442.	12.0	28
35	Subcellular distribution of endogenous malectin under rest and stress conditions is regulated by ribophorin I. <i>Glycobiology</i> , 2018, 28, 374-381.	2.5	8
36	Triligustilides A and B: Two Pairs of Phthalide Trimers from <i>Angelica sinensis</i> with a Complex Polycyclic Skeleton and Their Activities. <i>Organic Letters</i> , 2018, 20, 884-887.	4.6	44

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37	Biosynthetic pathway for furanosteroid demethoxyviridin and identification of an unusual pregnane side-chain cleavage. <i>Nature Communications</i> , 2018, 9, 1838.	12.8	35
38	Abnormal O-GlcNAcylation of Pax3 Occurring from Hyperglycemia-Induced Neural Tube Defects Is Ameliorated by Carnosine But Not Folic Acid in Chicken Embryos. <i>Molecular Neurobiology</i> , 2017, 54, 281-294.	4.0	10
39	Characterization of Methyltransferase AlmCII in Chalcomycin Biosynthesis: The First TylF Family O <sup>6</sup> -Methyltransferase Works on a 4 <sup>th</sup> Deoxysugar. <i>ChemBioChem</i> , 2017, 18, 1510-1517.	2.6	4
40	Dimeric biscognienyne A: A Meroterpenoid Dimer from <i>Biscogniauxia</i> sp. with New Skeleton and Its Activity. <i>Organic Letters</i> , 2017, 19, 38-41.	4.6	68
41	Phyllomeroterpenoids A-C, Multi-biosynthetic Pathway Derived Meroterpenoids from the TCM Endophytic Fungus <i>Phyllosticta</i> sp. and their Antimicrobial Activities. <i>Scientific Reports</i> , 2017, 7, 12925.	3.3	9
42	Development of a versatile and conventional technique for gene disruption in filamentous fungi based on CRISPR-Cas9 technology. <i>Scientific Reports</i> , 2017, 7, 9250.	3.3	67
43	Biosynthesis of helvolic acid and identification of an unusual C-4-demethylation process distinct from sterol biosynthesis. <i>Nature Communications</i> , 2017, 8, 1644.	12.8	67
44	Houttuynoid M, an Anti-HSV Active Houttuynoid from <i>Houttuynia cordata</i> Featuring a Bis-houttuynin Chain Tethered to a Flavonoid Core. <i>Journal of Natural Products</i> , 2017, 80, 3010-3013.	3.0	13
45	A set of interesting sequoiatones stereoisomers from a wetland soil-derived fungus <i>Talaromyces flavus</i> . <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 167-172.	12.0	14
46	Chalcomycins from Marine-Derived <i>Streptomyces</i> sp. and Their Antimicrobial Activities. <i>Marine Drugs</i> , 2017, 15, 153.	4.6	16
47	A Pair of New Polyketide Enantiomers from Three Endolichenic Fungal Strains <i>Nigrospora sphaerica</i> , <i>Alternaria alternata</i> , and <i>Phialophora</i> sp. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	5
48	A New Xanthone Glycoside from the Endolichenic Fungus <i>Sporormiella irregularis</i> . <i>Molecules</i> , 2016, 21, 764.	3.8	13
49	Three Pairs of New Isopentenyl Dibenzo[b,e]oxepinone Enantiomers from <i>Talaromyces flavus</i> , a Wetland Soil-Derived Fungus. <i>Molecules</i> , 2016, 21, 1184.	3.8	13
50	A Single Gene Cluster for Chalcomycins and Aldgamycins: Genetic Basis for Bifurcation of Their Biosynthesis. <i>ChemBioChem</i> , 2016, 17, 1241-1249.	2.6	10
51	Aldgamycins, 16-Membered Macrolides with a Branched Octose Unit from <i>Streptomyces</i> sp. and Their Antibacterial Activities. <i>Journal of Natural Products</i> , 2016, 79, 2446-2454.	3.0	29
52	Biosynthesis of LL <sub>2</sub> : Discovery of a New Member of NRPS-Like Enzymes for Aryl Aldehyde Formation. <i>ChemBioChem</i> , 2016, 17, 904-907.	2.6	59
53	Adeninealkylresorcinol, the first alkylresorcinol tethered with nucleobase from <i>Lasiodiplodia</i> sp.. <i>F<sub>3</sub>-toterap<sub>3</sub></i> , 2016, 112, 254-259.	2.2	9
54	A New Gestational Diabetes Mellitus Model, Hyperglycemia-Induced Eye Malformation via Inhibiting Pax6 in Chick Embryo. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 177-86.	2.4	14

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55	Same data, different structures: diastereoisomers with substantially identical NMR data from nature. <i>Chemical Communications</i> , 2016, 52, 1250-1253.	4.1	34
56	Pericolactines A–C, a New Class of Diterpenoid Alkaloids with Unusual Tetracyclic Skeleton. <i>Scientific Reports</i> , 2015, 5, 17082.	3.3	14
57	Pericocins A–D, New Bioactive Compounds from <i>Periconia</i> sp. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501001.	0.5	5
58	Engineering of a 3-sulpho-Gal $\beta$ 1-4GlcNAc-specific probe by a single amino acid substitution of a fungal galectin. <i>Journal of Biochemistry</i> , 2015, 157, 197-200.	1.7	8
59	Stachybisbins A and B, the first cases of seco-bisabosquals from <i>Stachybotrys bisbyi</i> . <i>Fungal Diversity</i> , 2015, 105, 151-155.	2.2	19
60	Lectin Engineering, a Molecular Evolutionary Approach to Expanding the Lectin Utilities. <i>Molecules</i> , 2015, 20, 7637-7656.	3.8	42
61	Nodulisporisteroids L, new 4-methyl-progesteroid derivatives from <i>Nodulisporium</i> sp.. <i>Steroids</i> , 2015, 102, 101-109.	1.8	20
62	4,5-seco-Probotryenols A–C, a new type of sesquiterpenoids from <i>Stachybotrys bisbyi</i> . <i>RSC Advances</i> , 2015, 5, 46252-46259.	3.6	10
63	Sporormiellin A, the first tetrahydrofuran-fused furochromone with an unprecedented tetracyclic skeleton from <i>Sporormiella minima</i> . <i>RSC Advances</i> , 2014, 4, 24295-24299.	3.6	16
64	Xylariterpenoids D, four new sesquiterpenoids from the Xylariaceae fungus. <i>RSC Advances</i> , 2014, 4, 54144-54148.	3.6	21
65	Three pairs of varicolorotide enantiomers from <i>Eurotium</i> sp. with caspase-3 inhibitory activity. <i>Fungal Diversity</i> , 2014, 92, 252-259.	2.2	22
66	Directed Evolution of Lectins by an Improved Error-Prone PCR and Ribosome Display Method. <i>Methods in Molecular Biology</i> , 2014, 1200, 527-538.	0.9	7