You-Cai Hu

List of Publications by Year
in descending order

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60 papers	1,684 citations	218677 26 h-index	302126 39 g-index
61 all docs	61 docs citations	61 times ranked	2082 citing authors

#	Article	IF	Citations
1	Nuclear export inhibition through covalent conjugation and hydrolysis of Leptomycin B by CRM1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1303-1308.	7.1	163
2	Enzymatic Intermolecular Hetero-Dielsâ€“Alder Reaction in the Biosynthesis of Tropolonic Sesquiterpenes. Journal of the American Chemical Society, 2019, 141, 14052-14056.	13.7	78
3	Epigenetic Genome Mining of an Endophytic Fungus Leads to the Pleiotropic Biosynthesis of Natural Products. Angewandte Chemie - International Edition, 2015, 54, 7592-7596.	13.8	76
4	A carbonate-forming Baeyer-Villiger monooxygenase. Nature Chemical Biology, 2014, 10, 552-554.	8.0	75
5	Structureâ€“activity studies of phenanthroindolizidine alkaloids as potential antitumor agents. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4338-4342.	2.2	70
6	Deletion of a Histone Acetyltransferase Leads to the Pleiotropic Activation of Natural Products in Metarhizium robertsii. Organic Letters, 2017, 19, 1686-1689.	4.6	70
7	Using Functional Signature Ontology (FUSION) to Identify Mechanisms of Action for Natural Products. Science Signaling, 2013, 6, ra90.	3.6	66
8	Discoipyrroles Aâ€“D: Isolation, Structure Determination, and Synthesis of Potent Migration Inhibitors from Bacillus hunanensis. Journal of the American Chemical Society, 2013, 135, 13387-13392.	13.7	63
9	Erythrazoles Aâ€“B, Cytotoxic Benzothiazoles from a Marine-Derived Erythrobacter sp.. Organic Letters, 2011, 13, 6580-6583.	4.6	56
10	Enzymatic dimerization in the biosynthetic pathway of microbial natural products. Natural Product Reports, 2021, 38, 1469-1505.	10.3	43
11	Biosynthesis of Heptacyclic Duclauxins Requires Extensive Redox Modifications of the Phenalenone Aromatic Polyketide. Journal of the American Chemical Society, 2018, 140, 6991-6997.	13.7	42
12	Bysspectin A, an unusual octaketide dimer and the precursor derivatives from the endophytic fungus Byssochlamys spectabilis IMM0002 and their biological activities. European Journal of Medicinal Chemistry, 2018, 145, 717-725.	5.5	38
13	Iridoid Glycosides and Grayanane Diterpenoids from the Roots of Craibiodendron henryi. Journal of Natural Products, 2005, 68, 1646-1650.	3.0	36
14	Hunanamycin A, an Antibiotic from a Marine-Derived Bacillus hunanensis. Organic Letters, 2013, 15, 390-393.	4.6	36
15	Novel Phloroglucinol Derivatives from the Roots ofLysidicerhodostegia. Organic Letters, 2006, 8, 2269-2272.	4.6	35
16	New Cassaine Diterpenoid Amides with Cytotoxic Activities from the Bark ofErythrophleum fordii. Planta Medica, 2006, 72, 442-449.	1.3	34
17	Prenylated C6â€“C3 compounds with molecular diversity from the roots of Illicium oligandrum. Phytochemistry, 2011, 72, 115-125.	2.9	33
18	A Cascade of Redox Reactions Generates Complexity in the Biosynthesis of the Protein Phosphataseâ€2 Inhibitor Rubratoxinâ€...A. Angewandte Chemie - International Edition, 2017, 56, 4782-4786.	13.8	33

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19	Genome mining combined metabolic shunting and OSMAC strategy of an endophytic fungus leads to the production of diverse natural products. Acta Pharmaceutica Sinica B, 2021, 11, 572-587.	12.0	33
20	Anthraquinones from a Marine-Derived Streptomyces spinoverrucosus. Journal of Natural Products, 2012, 75, 1759-1764.	3.0	31
21	Selfâ€Resistance in the Biosynthesis of Fungal Macrolides Involving Cycles of Extracellular Oxidative Activation and Intracellular Reductive Inactivation. Angewandte Chemie - International Edition, 2021, 60, 6639-6645.	13.8	30
22	Cytotoxic Triterpenoid Saponins fromSymplocoschinensis. Journal of Natural Products, 2004, 67, 1969-1974.	3.0	29
23	Targeted Isolation and Structure Elucidation of Stilbene Glycosides from the Bark of Lysidice brevicalyx Wei Guided by Biological and Chemical Screening. Journal of Natural Products, 2008, 71, 1800-1805.	3.0	29
24	Lysidicins Fâ˜H, Three New Phloroglucinols from Lysidice rhodostegia. Organic Letters, 2010, 12, 2390-2393.	4.6	29
25	Unprecedented [5.5.5.6]Dioxafenestrane Ring Construction in Fungal Insecticidal Sesquiterpene Biosynthesis. Angewandte Chemie - International Edition, 2019, 58, 6569-6573.	13.8	27
26	Erythrolic acids Aâ€“E, Meroterpenoids from a Marine-Derived Erythrobacter sp.. Journal of Organic Chemistry, 2012, 77, 3401-3407.	3.2	26
27	Chromomycin SA analogs from a marine-derived Streptomyces sp.. Bioorganic and Medicinal Chemistry, 2011, 19, 5183-5189.	3.0	24
28	Diphenyl Ethers from a Marine-Derived Aspergillus sydowii. Marine Drugs, 2018, 16, 451.	4.6	24
29	Lignan Glycosides from Neoalsomitra integrifoliola. Journal of Natural Products, 2008, 71, 784-788.	3.0	22
30	Activation of an unconventional meroterpenoid gene cluster in Neosartorya glabra leads to the production of new berkeleyacetals. Acta Pharmaceutica Sinica B, 2018, 8, 478-487.	12.0	22
31	Epigenetic modification in histone deacetylase deletion strain of Calcarisporium arbuscula leads to diverse diterpenoids. Acta Pharmaceutica Sinica B, 2018, 8, 687-697.	12.0	21
32	Glucosides from the Roots of Capparis tenera. Chemistry and Biodiversity, 2007, 4, 2852-2862.	2.1	20
33	Complexity and Diversity Generation in the Biosynthesis of Fumiquinazoline-Related Peptidyl Alkaloids. Organic Letters, 2019, 21, 1475-1479.	4.6	20
34	New insights into the disulfide bond formation enzymes in epidithiodiketopiperazine alkaloids. Chemical Science, 2021, 12, 4132-4138.	7.4	20
35	Resveratrol/Phloroglucinol Glycosides from the Roots of Lysidice rhodostegia. Planta Medica, 2007, 73, 163-166.	1.3	18
36	Rapid structural determination of modified pregnane glycosides from Cynanchum forrestii by liquid chromatographyâ€“diode-array detection/electrospray ionization multi-stage tandem mass spectrometry. Analytica Chimica Acta, 2008, 611, 187-196.	5.4	15

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37	Antioxidative acylphloroglucinols from the roots of Lysidice rhodostegia. Tetrahedron, 2011, 67, 8155-8159.	1.9	15
38	Cytotoxic Oxygenated Triterpenoid Saponins fromSymplocos chinensis. Journal of Natural Products, 2006, 69, 1680-1686.	3.0	14
39	Two new compounds from the roots ofLysidice rhodostegia. Journal of Asian Natural Products Research, 2007, 9, 471-477.	1.4	14
40	A Functional Signature Ontology (FUSION) screen detects an AMPK inhibitor with selective toxicity toward human colon tumor cells. Scientific Reports, 2018, 8, 3770.	3.3	14
41	Flavin-Dependent Monooxygenase-Mediated 1,2-Oxazine Construction via Meisenheimer Rearrangement in the Biosynthesis of Paeciloxazine. Journal of the American Chemical Society, 2022, 144, 4269-4276.	13.7	13
42	Triterpenoids from the Roots of Craibiodendron henryi W. W. Smith. Journal of Integrative Plant Biology, 2007, 49, 1615-1618.	8.5	12
43	Highly Photosensitive Poly-Sulfur-Bridged Chetomin Analogues fromChaetomium cochliodes. Organic Letters, 2018, 20, 1806-1809.	4.6	12
44	Rational design for heterologous production of aurovertin-type compounds in Aspergillus nidulans. Applied Microbiology and Biotechnology, 2018, 102, 297-304.	3.6	12
45	Reisolation and Configurational Reinvestigation of Cottoquinazolines Eâ€“G from an Arthropod-Derived Strain of the Fungus Neosartorya fischeri. Journal of Natural Products, 2020, 83, 169-173.	3.0	11
46	Phloroglucinols with Antioxidant Activities Isolated from Lysidice rhodostegia. Molecules, 2017, 22, 855.	3.8	9
47	Coordinated Biosynthesis of the Purine Nucleoside Antibiotics Aristeromycin and Coformycin in Actinomycetes. Applied and Environmental Microbiology, 2018, 84, .	3.1	9
48	Investigation of citrinin and monacolin K gene clusters variation among pigment producer Monascus species. Fungal Genetics and Biology, 2022, 160, 103687.	2.1	9
49	Biosynthesis of rumbrins and inspiration for discovery of HIV inhibitors. Acta Pharmaceutica Sinica B, 2022, 12, 4193-4203.	12.0	7
50	Structural characterization of trace stilbene glycosides in Lysidice brevicalyx Wei using liquid chromatography/diode-array detection/electrospray ionization tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1-7.	2.3	6
51	Highly Oxygenated Caryophyllene-Type Sesquiterpenes from a Plant-Associated Fungus, Pestalotiopsis hainanensis, and Their Biosynthetic Gene Cluster. Journal of Natural Products, 2020, 83, 3262-3269.	3.0	6
52	Phomoidrides Eâ€“G, three dimeric anhydrides from the fungus Pleosporales sp. give new insight to the biosynthesis of phomoidrides. Organic Chemistry Frontiers, 2021, 8, 5926-5933.	4.5	5
53	A new peptide isolated from a marine derived Streptomyces bacillaris. Natural Product Communications, 2012, 7, 211-4.	0.5	5
54	Phenolic glycosides isolated from the bark ofLysidice brevicalyxWei. Journal of Asian Natural Products Research, 2010, 12, 516-521.	1.4	4

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55	A Cascade of Redox Reactions Generates Complexity in the Biosynthesis of the Protein Phosphataseâ€2 Inhibitor Rubratoxinâ€...A. Angewandte Chemie, 2017, 129, 4860-4864.	2.0	4
56	Selfâ€Resistance in the Biosynthesis of Fungal Macrolides Involving Cycles of Extracellular Oxidative Activation and Intracellular Reductive Inactivation. Angewandte Chemie, 2021, 133, 6713-6719.	2.0	4
57	Six new monacolin analogs from red yeast rice. Chinese Journal of Natural Medicines, 2019, 17, 394-400.	1.3	2
58	Pleosporalesones Aâ€“B, two unique polyketides isolated from Pleosporales sp.. Tetrahedron Letters, 2019, 60, 375-377.	1.4	2
59	Gene mining and efficient biosynthesis of a fungal peptidyl alkaloid. Chinese Herbal Medicines, 2021, 13, 98-104.	3.0	0
60	A concise synthesis of herbertenolide. Organic and Biomolecular Chemistry, 2022, 20, 2205-2208.	2.8	0