

Liao-Bin Dong

List of Publications by Year in descending order

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45
papers

1,031
citations

394421

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49
all docs

49
docs citations

49
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Divergent synthesis of complex diterpenes through a hybrid oxidative approach. <i>Science</i> , 2020, 369, 799-806.	12.6	89
2	Structure of the <i>ent</i> -Copalyl Diphosphate Synthase PtmT2 from <i>Streptomyces platensis</i> CB00739, a Bacterial Type II Diterpene Synthase. <i>Journal of the American Chemical Society</i> , 2016, 138, 10905-10915.	13.7	50
3	Lycopalhine A, a novel sterically congested Lycopodium alkaloid with an unprecedented skeleton from <i>Palhinhaea cernua</i> . <i>Chemical Communications</i> , 2012, 48, 9038.	4.1	49
4	Isopalhinine A, a Unique Pentacyclic Lycopodium Alkaloid from <i>Palhinhaea cernua</i> . <i>Organic Letters</i> , 2013, 15, 3570-3573.	4.6	49
5	A genetically amenable platensimycin- and platencin-overproducer as a platform for biosynthetic explorations: a showcase of PtmO4, a long-chain acyl-CoA dehydrogenase. <i>Molecular BioSystems</i> , 2015, 11, 2717-2726.	2.9	48
6	Platensimycin and platencin: Inspirations for chemistry, biology, enzymology, and medicine. <i>Biochemical Pharmacology</i> , 2017, 133, 139-151.	4.4	42
7	Lycospidine A, a New Type of Lycopodium Alkaloid from <i>Lycopodium complanatum</i> . <i>Organic Letters</i> , 2013, 15, 2438-2441.	4.6	38
8	Biosynthetic Origin of the Ether Ring in Platensimycin. <i>Journal of the American Chemical Society</i> , 2016, 138, 16711-16721.	13.7	37
9	Terpenoids and Norlignans from <i>Metasequoia glyptostroboides</i> . <i>Journal of Natural Products</i> , 2011, 74, 234-239.	3.0	34
10	Phlegghenrines D and Neophlegghenrine A, Bioactive and Structurally Rigid Lycopodium Alkaloids from <i>Phlegmarius henryi</i> . <i>Organic Letters</i> , 2016, 18, 4498-4501.	4.6	33
11	Cytochrome P450-Catalyzed Hydroxylation Initiating Ether Formation in Platensimycin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2018, 140, 12349-12353.	13.7	31
12	Isolation and Complete Structural Assignment of Lycopodium Alkaloid Cernupalhine A: Theoretical Prediction and Total Synthesis Validation. <i>Organic Letters</i> , 2014, 16, 2700-2703.	4.6	28
13	Biosynthesis of thiocarboxylic acid-containing natural products. <i>Nature Communications</i> , 2018, 9, 2362.	12.8	26
14	Vibsatins A and B, Two New Tetranorvibane-Type Diterpenoids from <i>Viburnum tinus</i> cv. <i>variegatus</i> . <i>Organic Letters</i> , 2014, 16, 980-983.	4.6	25
15	Antibacterial sulfur-containing platensimycin and platencin congeners from <i>Streptomyces platensis</i> SB12029. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6348-6353.	3.0	25
16	Cryptic and Stereospecific Hydroxylation, Oxidation, and Reduction in Platensimycin and Platencin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 4043-4050.	13.7	25
17	Chemical constituents from the aerial parts of <i>Musella lasiocarpa</i> . <i>Natural Products and Bioprospecting</i> , 2011, 1, 41-47.	4.3	24
18	Characterization and Crystal Structure of a Nonheme Diiron Monooxygenase Involved in Platensimycin and Platencin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 12406-12412.	13.7	23

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19	Two new tirucallane triterpenoids from the leaves of <i>Aquilaria sinensis</i> . <i>Archives of Pharmacal Research</i> , 2013, 36, 1084-1089.	6.3	21
20	Natural separation of the acyl-CoA ligase reaction results in a non-adenylating enzyme. <i>Nature Chemical Biology</i> , 2018, 14, 730-737.	8.0	21
21	Evaluation of Platensimycin and Platensimycin-Inspired Thioether Analogues against Methicillin-Resistant <i>Staphylococcus aureus</i> in Topical and Systemic Infection Mouse Models. <i>Molecular Pharmaceutics</i> , 2019, 16, 3065-3071.	4.6	20
22	In vivo instability of platensimycin and platencin: Synthesis and biological evaluation of urea- and carbamate-platensimycin. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1990-1996.	3.0	19
23	Genome Mining of <i>Streptomyces mobaraensis</i> DSM40847 as a Bleomycin Producer Providing a Biotechnology Platform To Engineer Designer Bleomycin Analogues. <i>Organic Letters</i> , 2017, 19, 1386-1389.	4.6	19
24	Pseudoferic acids A-C, three novel triterpenoids from the root bark of <i>Pseudolarix kaempferi</i> . <i>Tetrahedron Letters</i> , 2012, 53, 800-803.	1.4	18
25	Discovery of the Tiansilactone Antibiotics by Genome Mining of Atypical Bacterial Type II Diterpene Synthases. <i>ChemBioChem</i> , 2018, 19, 1727-1733.	2.6	18
26	Two New Indole Alkaloids from <i>Emmenopterys henryi</i> . <i>Helvetica Chimica Acta</i> , 2013, 96, 2207-2213.	1.6	17
27	A Mutasynthetic Library of Platensimycin and Platencin Analogues. <i>Organic Letters</i> , 2016, 18, 4606-4609.	4.6	16
28	Diterpenoids from the Twigs and Leaves of <i>Fokienia hodginsii</i> . <i>Journal of Natural Products</i> , 2013, 76, 1032-1038.	3.0	15
29	Triterpenoids and Steroids with Cytotoxic Activity from <i>Emmenopterys henryi</i> . <i>Planta Medica</i> , 2013, 79, 1356-1361.	1.3	15
30	Three New Sucrose Fatty Acid Esters from <i>Equisetum hiemale</i> L. <i>Helvetica Chimica Acta</i> , 2012, 95, 1158-1163.	1.6	13
31	New Lycopodium alkaloids from <i>Lycopodium obscurum</i> . <i>Natural Products and Bioprospecting</i> , 2013, 3, 52-55.	4.3	13
32	Benzophenone glycosides and epicatechin derivatives from <i>Malania oleifera</i> . <i>FÄtoterapÄÄ</i> , 2012, 83, 1068-1071.	2.2	12
33	Further Lignans from <i>Saururus chinensis</i> . <i>Planta Medica</i> , 2013, 79, 1720-1723.	1.3	12
34	Discovery and characterization of four glycosyltransferases involved in anthraquinone glycoside biosynthesis in <i>Rubia yunnanensis</i> . <i>Organic Chemistry Frontiers</i> , 2020, 7, 2442-2448.	4.5	12
35	Euglobal-IIIa, a novel acylphloroglucinol-sesquiterpene derivative from <i>Eucalyptus robusta</i> : absolute structure and cytotoxicity. <i>Natural Products and Bioprospecting</i> , 2011, 1, 101-103.	4.3	11
36	Two new diterpenoids from <i>Excoecaria acerifolia</i> . <i>Journal of Asian Natural Products Research</i> , 2013, 15, 151-157.	1.4	11

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37	Three new <i>Lycopodium</i> alkaloids from <i>Lycopodium japonicum</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 17-24.	1.4	11
38	Two new dihydrobenzofuran-type neolignans from <i>Breynia fruticosa</i> . <i>Phytochemistry Letters</i> , 2013, 6, 281-285.	1.2	10
39	Activities of recombinant human bleomycin hydrolase on bleomycins and engineered analogues revealing new opportunities to overcome bleomycin-induced pulmonary toxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2670-2674.	2.2	10
40	New <i>Lycopodium</i> alkaloids from <i>Phlegmariurus squarrosus</i> . <i>Journal of Asian Natural Products Research</i> , 2014, 16, 574-580.	1.4	8
41	Nor-lupane triterpenoid and guaiane sesquiterpenoids from <i>Schefflera venulosa</i> . <i>Fã-toterapÃ-Ãç</i> , 2015, 103, 294-298.	2.2	7
42	Engineered production and evaluation of 6â€²-deoxy-tallysomyacin H-1 revealing new insights into the structureâ€“activity relationship of the anticancer drug bleomycin. <i>Journal of Antibiotics</i> , 2018, 71, 97-103.	2.0	7
43	Discovery of ammosesters by mining the <i>Streptomyces uncialis</i> DCA2648 genome revealing new insight into ammosamide biosynthesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	7
44	Labdane diterpenoids and lignans from <i>Calocedrus macrolepis</i> . <i>Fã-toterapÃ-Ãç</i> , 2013, 85, 154-160.	2.2	6
45	PtmC Catalyzes the Final Step of Thioplatensimycin, Thioplatencin, and Thioplatensilin Biosynthesis and Expands the Scope of Arylamine <i>N</i> -Acetyltransferases. <i>ACS Chemical Biology</i> , 2021, 16, 96-105.	3.4	6