

Ernest Lacey

List of Publications by Year in descending order

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35
papers

792
citations

471509

17
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions of benzimidazoles (BZ) with tubulin from BZ-sensitive and BZ-resistant isolates of <i>Haemonchus contortus</i> . <i>Molecular and Biochemical Parasitology</i> , 1986, 19, 171-181.	1.1	109
2	Heterologous biosynthesis of elsinochrome A sheds light on the formation of the photosensitive perylenequinone system. <i>Chemical Science</i> , 2019, 10, 1457-1465.	7.4	68
3	Discovery and Heterologous Biosynthesis of the Burnettramic Acids: Rare PKS-NRPS-Derived Bolaamphiphilic Pyrrolizidinediones from an Australian Fungus, <i>Aspergillus burnettii</i> . <i>Organic Letters</i> , 2019, 21, 1287-1291.	4.6	54
4	Interaction of phomopsin A and related compounds with purified sheep brain tubulin. <i>Biochemical Pharmacology</i> , 1987, 36, 2133-2138.	4.4	51
5	Wollamides: Antimycobacterial Cyclic Hexapeptides from an Australian Soil <i>Streptomyces</i> . <i>Organic Letters</i> , 2014, 16, 5120-5123.	4.6	47
6	Binding of [3H]benzimidazole carbamates to mammalian brain tubulin and the mechanism of selective toxicity of the benzimidazole anthelmintics. <i>Biochemical Pharmacology</i> , 1992, 43, 1095-1100.	4.4	39
7	Biosynthesis of a New Benzazepine Alkaloid Nanangelenin A from <i>Aspergillus nanangensis</i> Involves an Unusual Kynurenine-Incorporating NRPS Catalyzing Regioselective Lactamization. <i>Journal of the American Chemical Society</i> , 2020, 142, 7145-7152.	13.7	35
8	<i>Aspergillus hancockii</i> sp. nov., a biosynthetically talented fungus endemic to southeastern Australian soils. <i>PLoS ONE</i> , 2017, 12, e0170254.	2.5	35
9	Chemical Ecogenomics-Guided Discovery of Phytotoxic \pm -Pyrone from the Fungal Wheat Pathogen <i>Parastagonospora nodorum</i> . <i>Organic Letters</i> , 2018, 20, 6148-6152.	4.6	30
10	Kumbicins A-D: Bis-Indolyl Benzenoids and Benzoquinones from an Australian Soil Fungus, <i>Aspergillus kumbius</i> . <i>Australian Journal of Chemistry</i> , 2016, 69, 152.	0.9	28
11	Reveromycins Revealed: New polyketidespiroketal from Australian marine-derived and terrestrial <i>Streptomyces</i> spp. A case of natural products vs. artifacts. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1201-1211.	2.8	27
12	Genomics-Driven Discovery of Phytotoxic Cytochalasans Involved in the Virulence of the Wheat Pathogen <i>Parastagonospora nodorum</i> . <i>ACS Chemical Biology</i> , 2020, 15, 226-233.	3.4	24
13	Hancockiamides: phenylpropanoid piperazines from <i>Aspergillus hancockii</i> are biosynthesised by a versatile dual single-module NRPS pathway. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 587-595.	2.8	24
14	Waspergillamide A, a Nitro <i>depsi</i> -Tetrapeptide Diketopiperazine from an Australian Mud Dauber Wasp-Associated <i>Aspergillus</i> sp. (CMB-W031). <i>Journal of Natural Products</i> , 2017, 80, 1192-1195.	3.0	22
15	Banksialactones and Banksiamarins: Isochromanones and Isocoumarins from an Australian Fungus, <i>Aspergillus banksianus</i> . <i>Journal of Natural Products</i> , 2018, 81, 1517-1526.	3.0	22
16	Nanangenines: drimane sesquiterpenoids as the dominant metabolite cohort of a novel Australian fungus, <i>Aspergillus nanangensis</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2631-2643.	2.2	22
17	Comprehensive chemotaxonomic and genomic profiling of a biosynthetically talented Australian fungus, <i>Aspergillus burnettii</i> sp. nov.. <i>Fungal Genetics and Biology</i> , 2020, 143, 103435.	2.1	19
18	Expanding antibiotic chemical space around the nidulin pharmacophore. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3038-3051.	2.8	15

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19	Secondary metabolites: The focus of biodiscovery and perhaps the key to unlocking new depths in taxonomy. <i>Microbiology Australia</i> , 2003, 24, 34.	0.4	12
20	The chemical gymnastics of enterocin: evidence for stereodivergence in Nature. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5879-5890.	2.8	11
21	Semisynthesis and biological evaluation of a focused library of unguinol derivatives as next-generation antibiotics. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1022-1036.	2.8	11
22	Proteomic diversity in a prevalent human-infective <i>Giardia duodenalis</i> sub-species. <i>International Journal for Parasitology</i> , 2018, 48, 817-823.	3.1	10
23	Bifurcation drives the evolution of assembly-line biosynthesis. <i>Nature Communications</i> , 2022, 13, .	12.8	10
24	A study of the chemical diversity of macroalgae from South Eastern Australia. <i>F&O</i> , 2018, 126, 53-64.	2.2	8
25	Conglobatins B&E: cytotoxic analogues of the C2-symmetric macrodiolide conglobatin. <i>Journal of Antibiotics</i> , 2020, 73, 756-765.	2.0	8
26	Chlorinated metabolites from <i>Streptomyces</i> sp. highlight the role of biosynthetic mosaics and superclusters in the evolution of chemical diversity. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6147-6159.	2.8	8
27	Characterisation and heterologous biosynthesis of burnettiene A, a new polyene-decalin polyketide from <i>Aspergillus burnettii</i> . <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9506-9513.	2.8	8
28	In vitro selection of <i>Giardia duodenalis</i> for Albendazole resistance identifies a β -tubulin mutation at amino acid E198K. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 16, 162-173.	3.4	7
29	Genome Mining of <i>Aspergillus hancockii</i> Unearths Cryptic Polyketide Hancockinone A Featuring a Prenylated 6/6/6/5 Carbocyclic Skeleton. <i>Organic Letters</i> , 2021, 23, 8789-8793.	4.6	6
30	Production of novel pladienolide analogues through native expression of a pathway-specific activator. <i>Chemical Science</i> , 2020, 11, 8249-8255.	7.4	5
31	Discovery of brevijanazines from <i>Aspergillus brevijanensis</i> reveals the molecular basis for <i>p</i> -nitrobenzoic acid in fungi. <i>Chemical Communications</i> , 2022, 58, 6296-6299.	4.1	5
32	Rechoreographing Enterocin's Ballet of Isomers: Structure Revision of Enterocins C, D, and F. <i>Organic Letters</i> , 2020, 22, 9688-9692.	4.6	4
33	Yeppoonic acids A & D: 1,2,4-trisubstituted arene carboxylic acid co-metabolites of conglobatin from an Australian <i>Streptomyces</i> sp.. <i>Journal of Antibiotics</i> , 2022, 75, 108-112.	2.0	3
34	Total Synthesis of the Antitumor Antitubercular 2,6-Bijuglone Natural Product Diospyrin and Its 3,6-Isomer. <i>Journal of Natural Products</i> , 2020, 83, 3623-3634.	3.0	1
35	Evaluation of Benzguinols as Next-Generation Antibiotics for the Treatment of Multidrug-Resistant Bacterial Infections. <i>Antibiotics</i> , 2021, 10, 727.	3.7	1