

John A Kalaitzis

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,375
citations

361296

20
h-index

360920

35
g-index

40
all docs

40
docs citations

40
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	On the origins and biosynthesis of tetrodotoxin. <i>Aquatic Toxicology</i> , 2011, 104, 61-72.	1.9	184
2	Binding of Two Flaviolin Substrate Molecules, Oxidative Coupling, and Crystal Structure of <i>Streptomyces coelicolor</i> A3(2) Cytochrome P450 158A2. <i>Journal of Biological Chemistry</i> , 2005, 280, 11599-11607.	1.6	142
3	Plant-like Biosynthetic Pathways in Bacteria: From Benzoic Acid to Chalcone. <i>Journal of Natural Products</i> , 2002, 65, 1956-1962.	1.5	111
4	EncM, a versatile enterocin biosynthetic enzyme involved in Favorskii oxidative rearrangement, aldol condensation, and heterocycle-forming reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15609-15614.	3.3	99
5	Biosynthesis of toxic naturally-occurring seafood contaminants. <i>Toxicon</i> , 2010, 56, 244-258.	0.8	63
6	Mutational Analysis of the Enterocin Favorskii Biosynthetic Rearrangement. <i>Organic Letters</i> , 2002, 4, 957-960.	2.4	61
7	Biosynthesis and Structural Revision of Neomarinone. <i>Organic Letters</i> , 2003, 5, 4449-4452.	2.4	61
8	Mining cyanobacterial genomes for genes encoding complex biosynthetic pathways. <i>Natural Product Reports</i> , 2009, 26, 1447.	5.2	60
9	Context-Dependent Behavior of the Enterocin Iterative Polyketide Synthase. <i>Chemistry and Biology</i> , 2004, 11, 461-468.	6.2	55
10	Mutasynthesis of Enterocin and Wailupemycin Analogues. <i>Journal of the American Chemical Society</i> , 2003, 125, 9290-9291.	6.6	52
11	Pestalactams A-C: novel caprolactams from the endophytic fungus <i>Pestalotiopsis</i> sp.. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1785.	1.5	48
12	In Vitro Biosynthesis of Unnatural Enterocin and Wailupemycin Polyketides. <i>Journal of Natural Products</i> , 2009, 72, 469-472.	1.5	43
13	Heterologous Biosynthesis of Truncated Hexaketides Derived from the Actinorhodin Polyketide Synthase. <i>Journal of Natural Products</i> , 2004, 67, 1419-1422.	1.5	39
14	Exploiting marine actinomycete biosynthetic pathways for drug discovery. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 49-57.	0.7	38
15	Adociasulfates 1, 7, and 8: New Bioactive Hexaprenoid Hydroquinones from the Marine Sponge <i>Adocia</i> sp.. <i>Journal of Organic Chemistry</i> , 1999, 64, 5571-5574.	1.7	33
16	Diversity and Biosynthetic Potential of Culturable Microbes Associated with Toxic Marine Animals. <i>Marine Drugs</i> , 2013, 11, 2695-2712.	2.2	27
17	Harnessing long-read amplicon sequencing to uncover NRPS and Type I PKS gene sequence diversity in polar desert soils. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	25
18	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.	1.5	24

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19	Policing starter unit selection of the enterocin type II polyketide synthase by the type II thioesterase EncL. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6633-6638.	1.4	23
20	lanthesine E, a new bromotyrosine-derived metabolite from the Great Barrier Reef sponge <i>Pseudoceratina</i> sp.. <i>Natural Product Research</i> , 2008, 22, 1257-1263.	1.0	22
21	Differential accumulation of paralytic shellfish toxins from <i>Alexandrium minutum</i> in the pearl oyster, <i>Pinctada imbricata</i> . <i>Toxicon</i> , 2009, 54, 217-223.	0.8	22
22	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.	1.3	22
23	Synthesis, characterization, and anti-melanoma activity of tetra-O-substituted analogs of nordihydroguaiaretic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4752-4755.	1.0	20
24	Bioactive Natural Products from Papua New Guinea Marine Sponges. <i>Chemistry and Biodiversity</i> , 2012, 9, 2077-2095.	1.0	20
25	Adociasulfate-9, a New Hexaprenoid Hydroquinone from the Great Barrier Reef Sponge <i>Adociaaculeata</i> . <i>Journal of Natural Products</i> , 1999, 62, 1682-1684.	1.5	14
26	Genome mining of a fungal endophyte of <i>Taxus yunnanensis</i> (Chinese yew) leads to the discovery of a novel azaphilone polyketide, lijiquinone. <i>Microbial Biotechnology</i> , 2020, 13, 1415-1427.	2.0	13
27	A <i>Pseudoalteromonas</i> Clade with Remarkable Biosynthetic Potential. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	11
28	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.	1.5	8
29	Discovery, Biosynthesis, and Rational Engineering of Novel Enterocin and Wailupemycin Polyketide Analogues. <i>Methods in Molecular Biology</i> , 2013, 1055, 171-189.	0.4	7
30	Unequivocal ¹³ C NMR assignment of cyclohexadienyl rings in bromotyrosine-derived metabolites from marine sponges. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 749-754.	1.1	6
31	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.	2.4	6
32	Genome-Guided Discovery of Natural Products and Biosynthetic Pathways from Australia's Untapped Microbial Megadiversity. <i>Australian Journal of Chemistry</i> , 2016, 69, 129.	0.5	5
33	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.	2.2	5
34	Zwitterionic 2-(methylamino)ethanesulfonic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o726-o727.	0.2	3
35	Alternariol 9-O-methyl ether dimethyl sulfoxide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o872-o873.	0.2	3