

Catherine Roullier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/711283/publications.pdf>

Version: 2024-02-01

27
papers

960
citations

567281

15
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. <i>Nature Protocols</i> , 2020, 15, 1954-1991.	12.0	344
2	Expanding the chemical diversity through microorganisms co-culture: Current status and outlook. <i>Biotechnology Advances</i> , 2020, 40, 107521.	11.7	75
3	Maitotoxin-4, a Novel MTX Analog Produced by <i>Gambierdiscus excentricus</i> . <i>Marine Drugs</i> , 2017, 15, 220.	4.6	54
4	Multiple dual-mode centrifugal partition chromatography as an efficient method for the purification of a mycosporine from a crude methanolic extract of <i>Lichina pygmaea</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2067-2073.	2.3	44
5	Automated Detection of Natural Halogenated Compounds from LC-MS Profiles—Application to the Isolation of Bioactive Chlorinated Compounds from Marine-Derived Fungi. <i>Analytical Chemistry</i> , 2016, 88, 9143-9150.	6.5	43
6	<i>Plasmodium</i> Gametocyte Inhibition Identified from a Natural-Product-Based Fragment Library. <i>ACS Chemical Biology</i> , 2013, 8, 2654-2659.	3.4	39
7	Does Osmotic Stress Affect Natural Product Expression in Fungi?. <i>Marine Drugs</i> , 2017, 15, 254.	4.6	34
8	Characterization and identification of mycosporines-like compounds in cyanolichens. Isolation of mycosporine hydroxyglutamicol from <i>Nephroma laevigatum</i> Ach.. <i>Phytochemistry</i> , 2011, 72, 1348-1357.	2.9	32
9	Metabolomics-Driven Discovery of Meroterpenoids from a Mussel-Derived <i>Penicillium ubiquestum</i> . <i>Journal of Natural Products</i> , 2018, 81, 2501-2511.	3.0	31
10	Synthesis and anti-tubulin evaluation of chromone-based analogues of combretastatins. <i>Tetrahedron</i> , 2006, 62, 4038-4051.	1.9	30
11	Time Dependency of Chemodiversity and Biosynthetic Pathways: An LC-MS Metabolomic Study of Marine-Sourced <i>Penicillium</i> . <i>Marine Drugs</i> , 2016, 14, 103.	4.6	26
12	A novel aryl-hydrazide from the marine lichen <i>Lichina pygmaea</i> : Isolation, synthesis of derivatives, and cytotoxicity assays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4582-4586.	2.2	24
13	Targeting bioactive compounds in natural extracts - Development of a comprehensive workflow combining chemical and biological data. <i>Analytica Chimica Acta</i> , 2019, 1070, 29-42.	5.4	24
14	Unprecedented 17-Residue Peptaibiotics Produced by Marine-Derived <i>Trichoderma atroviride</i> . <i>Chemistry and Biodiversity</i> , 2013, 10, 772-786.	2.1	23
15	Nitrosopyridine Probe To Detect Polyketide Natural Products with Conjugated Alkenes: Discovery of Novodaryamide and Nocarditriene. <i>ACS Chemical Biology</i> , 2018, 13, 3097-3106.	3.4	20
16	Kororamide B, a brominated alkaloid from the bryozoan <i>Amathia tortuosa</i> and its effects on Parkinson's disease cells. <i>Tetrahedron</i> , 2015, 71, 7879-7884.	1.9	13
17	Fungi isolated from Madagascar shrimps - investigation of the <i>Aspergillus niger</i> metabolism by combined LC-MS and NMR metabolomics studies. <i>Aquaculture</i> , 2017, 479, 750-758.	3.5	13
18	Halogenation in Fungi: What Do We Know and What Remains to Be Discovered?. <i>Molecules</i> , 2022, 27, 3157.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Marine Fungi. , 2016, , 99-153.		8
20	Successes and pitfalls in automated dereplication strategy using liquid chromatography coupled to mass spectrometry data: A CASMI 2016 experience. <i>Phytochemistry Letters</i> , 2017, 21, 297-305.	1.2	8
21	The secreted polyketide boydone A is responsible for the anti-Staphylococcus aureus activity of <i>Scedosporium boydii</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	8
22	Characterization of maitotoxinâ€4 (MTX4) using electrospray positive mode ionization highâ€resolution mass spectrometry and UV spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8859.	1.5	7
23	C25 steroids from the marine mussel-derived fungus <i>Penicillium ubiquestum</i> MMS330. <i>Phytochemistry Letters</i> , 2019, 34, 18-24.	1.2	6
24	Detection of ergosterol using liquid chromatography/electrospray ionization mass spectrometry: Investigation of unusual inâ€source reactions. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8780.	1.5	6
25	Functional characterization of the GATA-type transcription factor PaNsdD in the filamentous fungus <i>Podospira anserina</i> and its interplay with the sterigmatocystin pathway. <i>Applied and Environmental Microbiology</i> , 2022, , aem0237821.	3.1	5
26	Marine Fungi. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2022, , 243-295.	0.6	4
27	Successes and Pitfalls in Automated Dereplication Strategy Using Mass Spectrometry Data: a CASMI Experience. <i>Current Metabolomics</i> , 2017, 5, 25-34.	0.5	2