

Olivier Ploux

List of Publications by Year in descending order

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840776

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563

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#	ARTICLE	IF	CITATIONS
1	Biosynthesis of Cyindrospermopsin and 7-Epicylindrospermopsin in <i>Oscillatoria</i> sp. Strain PCC 6506: Identification of the <i>cyr</i> Gene Cluster and Toxin Analysis. Applied and Environmental Microbiology, 2010, 76, 4943-4949.	3.1	118
2	Evidence that Biosynthesis of the Neurotoxic Alkaloids Anatoxin-a and Homoanatoxin-a in the Cyanobacterium <i>Oscillatoria</i> PCC 6506 Occurs on a Modular Polyketide Synthase Initiated by <i>scp</i> -Proline. Journal of the American Chemical Society, 2009, 131, 7512-7513.	13.7	110
3	Biosynthesis of anatoxin-a and analogues (anatoxins) in cyanobacteria. Toxicon, 2014, 91, 15-22.	1.6	91
4	<i>In Vitro</i> Reconstitution of the First Steps of Anatoxin-a Biosynthesis in <i>Oscillatoria</i> PCC 6506: From Free <i>scp</i> -Proline to Acyl Carrier Protein Bound Dehydroproline. Biochemistry, 2010, 49, 103-113.	2.5	46
5	Synthesis, configuration assignment, and simultaneous quantification by liquid chromatography coupled to tandem mass spectrometry, of dihydroanatoxin-a and dihydrohomoanatoxin-a together with the parent toxins, in axenic cyanobacterial strains and in environmental samples. Toxicon, 2012, 60, 1404-1414.	1.6	39
6	The Last Step of the Biosynthesis of the Cyanotoxins Cyindrospermopsin and 7-Epi-Cylindrospermopsin is Catalysed by CyrI, a α -Oxoglutarate-Dependent Iron Oxygenase. ChemBioChem, 2011, 12, 858-862.	2.6	33
7	Insights into the Reaction Mechanism of the Prolyl-Acyl Carrier Protein Oxidase Involved in Anatoxin-a and Homoanatoxin-a Biosynthesis. Biochemistry, 2011, 50, 7184-7197.	2.5	25
8	Dihydroanatoxin-a Is Biosynthesized from Proline in <i>Cylindrospermum stagnale</i> PCC 7417: Isotopic Incorporation Experiments and Mass Spectrometry Analysis. Journal of Natural Products, 2016, 79, 1775-1782.	3.0	20
9	A Genomic View of Secondary Metabolite Production in Cyanobacteria. Advances in Botanical Research, 2013, , 189-234.	1.1	16
10	Biosynthesis of Anatoxins in Cyanobacteria: Identification of the Carboxy-anatoxins as the Penultimate Biosynthetic Intermediates. Journal of Natural Products, 2020, 83, 142-151.	3.0	14
11	Structure of the prolyl-acyl carrier protein oxidase involved in the biosynthesis of the cyanotoxin anatoxin-a. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2340-2352.	2.5	11
12	Characterization of CyrI, the hydroxylase involved in the last step of cyindrospermopsin biosynthesis: Binding studies, site-directed mutagenesis and stereoselectivity. Archives of Biochemistry and Biophysics, 2018, 647, 1-9.	3.0	7
13	Biosynthesis of Cyindrospermopsin in Cyanobacteria: Characterization of CyrJ the Sulfotransferase. Journal of Natural Products, 2021, 84, 408-416.	3.0	4