Valerie Leclere

List of Publications by Year
in descending order

48	2,153	236612	233125
papers	citations	25 h-index	45 g-index

49	49	49	2437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mycosubtilin Overproduction by Bacillus subtilis BBG100 Enhances the Organism's Antagonistic and Biocontrol Activities. Applied and Environmental Microbiology, 2005, 71, 4577-4584.	1.4	328
2	NORINE: a database of nonribosomal peptides. Nucleic Acids Research, 2007, 36, D326-D331.	6.5	226
3	Diversity of Monomers in Nonribosomal Peptides: towards the Prediction of Origin and Biological Activity. Journal of Bacteriology, 2010, 192, 5143-5150.	1.0	102
4	Production of surfactin and fengycin by Bacillus subtilis in a bubbleless membrane bioreactor. Applied Microbiology and Biotechnology, 2010, 87, 499-507.	1.7	98
5	The lipopeptides mycosubtilin and surfactin enhance spreading of Bacillus subtilis strains by their surface-active properties. Archives of Microbiology, 2006, 186, 475-483.	1.0	93
6	Burkholderia genome mining for nonribosomal peptideÂsynthetases reveals a great potential for novelÂsiderophores and lipopeptides synthesis. MicrobiologyOpen, 2016, 5, 512-526.	1.2	86
7	Effect ofppsdisruption and constitutive expression ofsrfAon surfactin productivity, spreading and antagonistic properties ofBacillus subtilis168 derivatives. Journal of Applied Microbiology, 2010, 109, 480-491.	1.4	79
8	To settle or to move? The interplay between two classes of cyclic lipopeptides in the biocontrol strain <scp>P</scp>seudomonasâ€...<scp>CMR</scp>12a. Environmental Microbiology, 2014, 16, 2282-2300.	1.8	78
9	Structure, biosynthesis, and properties of kurstakins, nonribosomal lipopeptides from Bacillus spp.. Applied Microbiology and Biotechnology, 2012, 95, 593-600.	1.7	72
10	Identification and biochemical characteristics of lipopeptides from Bacillus mojavensis A21. Process Biochemistry, 2014, 49, 1699-1707.	1.8	70
11	Paraburkholderia phytofirmans PsJN-Plants Interaction: From Perception to the Induced Mechanisms. Frontiers in Microbiology, 2018, 9, 2093.	1.5	69
12	New integrated bioprocess for the continuous production, extraction and purification of lipopeptides produced by Bacillus subtilis in membrane bioreactor. Process Biochemistry, 2013, 48, 25-32.	1.8	61
13	High-Level Biosynthesis of the Anteiso-C 17 Isoform of the Antibiotic Mycosubtilin in Bacillus subtilis and Characterization of Its Candidacidal Activity. Applied and Environmental Microbiology, 2009, 75, 4636-4640.	1.4	52
14	OUP accepted manuscript. Nucleic Acids Research, 2020, 48, D465-D469.	6.5	51
15	Nonribosomal peptides and polyketides of Burkholderia: new compounds potentially implicated in biocontrol and pharmaceuticals. Environmental Science and Pollution Research, 2018, 25, 29794-29807.	2.7	48
16	New Linear Lipopeptides Produced by Pseudomonas cichorii SF1-54 Are Involved in Virulence, Swarming Motility, and Biofilm Formation. Molecular Plant-Microbe Interactions, 2013, 26, 585-598.	1.4	47
17	Norine, the knowledgebase dedicated to non-ribosomal peptides, is now open to crowdsourcing. Nucleic Acids Research, 2016, 44, D1113-D1118.	6.5	47
18	Bioinformatics and molecular approaches to detect NRPS genes involved in the biosynthesis of kurstakin from Bacillus thuringiensis. Applied Microbiology and Biotechnology, 2011, 92, 571-581.	1.7	46

#	Article	IF	Citations
19	Production of a novel mixture of mycosubtilins by mutants of Bacillus subtilis. Bioresource Technology, 2013, 145, 264-270.	4.8	36
20	Characterization of Cichopeptins, New Phytotoxic Cyclic Lipodepsipeptides Produced by Pseudomonas cichorii SF1-54 and Their Role in Bacterial Midrib Rot Disease of Lettuce. Molecular Plant-Microbe Interactions, 2015, 28, 1009-1022.	1.4	35
21	High-throughput strategies for the discovery and engineering of enzymes for biocatalysis. Bioprocess and Biosystems Engineering, 2017, 40, 161-180.	1.7	35
22	Diversity of Superoxide-Dismutases Among Clinical and Soil Isolates of Streptomyces Species. Current Microbiology, 1999, 39, 365-368.	1.0	33
23	Temperature dependence of mycosubtilin homologue production in Bacillus subtilis ATCC6633. Research in Microbiology, 2008, 159, 449-457.	1.0	30
24	Norine: A powerful resource for novel nonribosomal peptide discovery. Synthetic and Systems Biotechnology, 2016, 1, 89-94.	1.8	28
25	Pseudomonas sp. COW3 Produces New Bananamide-Type Cyclic Lipopeptides with Antimicrobial Activity against Pythium myriotylum and Pyricularia oryzae. Molecules, 2019, 24, 4170.	1.7	27
26	Prediction of Monomer Isomery in Florine: A Workflow Dedicated to Nonribosomal Peptide Discovery. PLoS ONE, 2014, 9, e85667.	1.1	25
27	Prediction of New Bioactive Molecules using a Bayesian Belief Network. Journal of Chemical Information and Modeling, 2014, 54, 30-36.	2.5	24
28	Nonribosomal peptides in fungal cell factories: from genome mining to optimized heterologous production. Biotechnology Advances, 2019, 37, 107449.	6.0	24
29	Functional significance of a periplasmic Mn-superoxide dismutase from Aeromonas hydrophila. Journal of Applied Microbiology, 2004, 96, 828-833.	1.4	18
30	Structural pattern matching of nonribosomal peptides. BMC Structural Biology, 2009, 9, 15.	2.3	18
31	Production ofBacillus amyloliquefaciensOG and its metabolites in renewable media: valorisation for biodiesel production andp-xylene decontamination. Canadian Journal of Microbiology, 2017, 63, 46-60.	0.8	16
32	rBAN: retro-biosynthetic analysis of nonribosomal peptides. Journal of Cheminformatics, 2019, 11, 13.	2.8	16
33	The cyclochlorotine mycotoxin is produced by the nonribosomal peptide synthetase CctN in Talaromyces islandicus (â€˜Penicillium islandicumâ€™). Environmental Microbiology, 2016, 18, 3728-3741.	1.8	15
34	Lipopeptide biodiversity in antifungal Bacillus strains isolated from Algeria. Archives of Microbiology, 2018, 200, 1205-1216.	1.0	15
35	Occurrence of two superoxide dismutases in Aeromonas hydrophila: molecular cloning and differential expression of the sodA and sodB genes. Microbiology (United Kingdom), 2001, 147, 3105-3111.	0.7	14
36	Nonribosomal Peptide Synthesis Definitely Working Out of the Rules. Microorganisms, 2022, 10, 577.	1.6	14

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37	Nonribosomal peptide synthetase with a unique iterative-alternative-optional mechanism catalyzes amonabactin synthesis in Aeromonas. Applied Microbiology and Biotechnology, 2016, 100, 8453-8463.	1.7	13
38	A new fingerprint to predict nonribosomal peptides activity. Journal of Computer-Aided Molecular Design, 2012, 26, 1187-1194.	1.3	11
39	Smiles2Monomers: a link between chemical and biological structures for polymers. Journal of Cheminformatics, 2015, 7, 62.	2.8	10
40	Bioinformatics tools for the discovery of new lipopeptides with biocontrol applications. European Journal of Plant Pathology, 2018, 152, 993-1001.	0.8	9
41	Bioinformatics Tools for the Discovery of New Nonribosomal Peptides. Methods in Molecular Biology, 2016, 1401, 209-232.	0.4	8
42	Development of a biological test to evaluate the bioavailability of iron in culture media. Journal of Applied Microbiology, 2009, 107, 1598-1605.	1.4	7
43	Astin C Production by the Endophytic Fungus Cyanodermella asteris in Planktonic and Immobilized Culture Conditions. Biotechnology Journal, 2019, 14, e1800624.	1.8	7
44	Draft Genome Sequence of Enterococcus faecalis DD14, a Bacteriocinogenic Lactic Acid Bacterium with Anti- Clostridium Activity. Genome Announcements, 2017, 5, .	0.8	5
45	Comparison between E1A gene from oncogenic and non-oncogenic adenoviruses in cellular transformation (Ad E1A conserved region). Archives of Virology, 1993, 132, 343-357.	0.9	3
46	Kendrick Mass Defect Approach Combined to NORINE Database for Molecular Formula Assignment of Nonribosomal Peptides. Journal of the American Society for Mass Spectrometry, 2019, 30, 2608-2616.	1.2	3
47	Bacillus subtilis-based microbial cell factories. , 2021, , 139-164.		0
48	Editorial for the Special Issue â€œMicrobial Nonribosomal Synthesis of Secondary Metabolitesâ€• Microorganisms, 2022, 10, 1064.	1.6	0