Gerald Lackner

List of Publications by Year
in descending order

48	2,357	236925 25	223800 46
papers	citations	h-index	g-index

55	55	55	3275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diversification by CofC and Control by CofD Govern Biosynthesis and Evolution of Coenzyme F ₄₂₀ and Its Derivative 3PG-F ₄₂₀. MBio, 2022, 13, e0350121.	4.1	2
2	Comparative Genomic and Metabolic Analysis of Streptomyces sp. RB110 Morphotypes Illuminates Genomic Rearrangements and Formation of a New 46-Membered Antimicrobial Macrolide. ACS Chemical Biology, 2021, 16, 1482-1492.	3.4	4
3	Injuryâ€Triggered Blueing Reactions of <i>Psilocybe</i> â€œMagicâ€•Mushrooms. Angewandte Chemie - International Edition, 2020, 59, 1450-1454.	13.8	34
4	Injuryâ€Triggered Blueing Reactions of <i>Psilocybe</i> â€œMagicâ€•Mushrooms. Angewandte Chemie, 2020, 132, 1466-1470.	2.0	14
5	Impact of Oxygen Supply and Scale Up on Mycobacterium smegmatis Cultivation and Mycofactocin Formation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 593781.	4.1	3
6	Structure elucidation of the redox cofactor mycofactocin reveals oligo-glycosylation by MftF. Chemical Science, 2020, 11, 5182-5190.	7.4	13
7	Redox Coenzyme F ₄₂₀ Biosynthesis in <i>Thermomicrobia</i> Involves Reduction by Stand-Alone Nitroreductase Superfamily Enzymes. Applied and Environmental Microbiology, 2020, 86, .	3.1	12
8	Metabolic Pathway Rerouting in <i>Paraburkholderia rhizoxinica</i> Evolved Long-Overlooked Derivatives of Coenzyme F₄₂₀. ACS Chemical Biology, 2019, 14, 2088-2094.	3.4	26
9	Bacteriaâ€induced production of the antibacterial sesquiterpene lagopodin B in Coprinopsis cinerea. Molecular Microbiology, 2019, 112, 605-619.	2.5	26
10	Structure elucidation of the syringafactin lipopeptides provides insight in the evolution of nonribosomal peptide synthetases. Chemical Science, 2019, 10, 10979-10990.	7.4	25
11	Bacterial Alkaloid Biosynthesis: Structural Diversity via a Minimalistic Nonribosomal Peptide Synthetase. Cell Chemical Biology, 2018, 25, 659-665.e9.	5.2	24
12	Multi-genome analysis identifies functional and phylogenetic diversity of basidiomycete adenylate-forming reductases. Fungal Genetics and Biology, 2018, 112, 55-63.	2.1	26
13	Precursorâ€Directed Diversification of Cyclic Tetrapeptidic Pseudoxylallemycins. ChemBioChem, 2018, 19, 2307-2311.	2.6	20
14	One Ring to Fight Them All: The Sulfazecin Story. Cell Chemical Biology, 2017, 24, 1-2.	5.2	38
15	Insights into the lifestyle of uncultured bacterial natural product factories associated with marine sponges. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E347-E356.	7.1	114
16	A Highly Conserved Basidiomycete Peptide Synthetase Produces a Trimeric Hydroxamate Siderophore. Applied and Environmental Microbiology, 2017, 83, .	3.1	27
17	Ectomycorrhizal fungi decompose soil organic matter using oxidative mechanisms adapted from saprotrophic ancestors. New Phytologist, 2016, 209, 1705-1719.	7.3	264
18	A Lanthipeptideâ€like Nâ€Terminal Leader Region Guides Peptide Epimerization by Radical SAM Epimerases: Implications for RiPP Evolution. Angewandte Chemie, 2016, 128, 12518-12521.	2.0	9

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19	A Lanthipeptideâ€like Nâ€Terminal Leader Region Guides Peptide Epimerization by Radical SAM Epimerases: Implications for RiPP Evolution. Angewandte Chemie - International Edition, 2016, 55, 12330-12333.	13.8	34
20	A Fivefold Parallelized Biosynthetic Process Secures Chlorination of Armillaria mellea (Honey) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	3.1	31
21	Activity of Î±â€Aminoadipate Reductase Depends on the Nâ€Terminally Extending Domain. ChemBioChem, 2015, 16, 1426-1430.	2.6	14
22	Genome Sequence of Mushroom Soft-Rot Pathogen Janthinobacterium agaricidamnosum. Genome Announcements, 2015, 3, .	0.8	10
23	Insights on the Evolution of Mycoparasitism from the Genome of Clonostachys rosea. Genome Biology and Evolution, 2015, 7, 465-480.	2.5	150
24	Structure, Genetics and Function of an Exopolysaccharide Produced by a Bacterium Living within Fungal Hyphae. ChemBioChem, 2015, 16, 387-392.	2.6	18
25	Genetic Engineering Activates Biosynthesis of Aromatic Fumaric Acid Amides in the Human Pathogen Aspergillus fumigatus. Applied and Environmental Microbiology, 2015, 81, 1594-1600.	3.1	10
26	Analysis of the Phlebiopsis gigantea Genome, Transcriptome and Secretome Provides Insight into Its Pioneer Colonization Strategies of Wood. PLoS Genetics, 2014, 10, e1004759.	3.5	90
27	Functional and Phylogenetic Divergence of Fungal Adenylate-Forming Reductases. Applied and Environmental Microbiology, 2014, 80, 6175-6183.	3.1	32
28	Biosynthesis of the Halogenated Mycotoxin Aspirochlorine in Koji Mold Involves a Cryptic Amino Acid Conversion. Angewandte Chemie - International Edition, 2014, 53, 13409-13413.	13.8	90
29	Active invasion of bacteria into living fungal cells. ELife, 2014, 3, e03007.	6.0	107
30	Assembly of Melleolide Antibiotics Involves a Polyketide Synthase with Cross-Coupling Activity. Chemistry and Biology, 2013, 20, 1101-1106.	6.0	66
31	Biosynthesis and Mass Spectrometric Imaging of Tolaasin, the Virulence Factor of Brown Blotch Mushroom Disease. ChemBioChem, 2013, 14, 2439-2443.	2.6	33
32	Fungal peptide synthetases: an update on functions and specificity signatures. Fungal Biology Reviews, 2013, 27, 43-50.	4.7	27
33	Bimodular Peptide Synthetase SidE Produces Fumarylalanine in the Human Pathogen Aspergillus fumigatus. Applied and Environmental Microbiology, 2013, 79, 6670-6676.	3.1	25
34	Genome mining reveals the evolutionary origin and biosynthetic potential of basidiomycete polyketide synthases. Fungal Genetics and Biology, 2012, 49, 996-1003.	2.1	71
35	Imaging Mass Spectrometry and Genome Mining Reveal Highly Antifungal Virulence Factor of Mushroom Soft Rot Pathogen. Angewandte Chemie - International Edition, 2012, 51, 13173-13177.	13.8	56
36	Symbiotic Cooperation in the Biosynthesis of a Phytotoxin. Angewandte Chemie - International Edition, 2012, 51, 9615-9618.	13.8	69

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37	Characterization of the <i>Suillus grevillei</i> Quinone Synthetase GreA Supports a Nonribosomal Code for Aromatic <i>Î±</i>â€Keto Acids. ChemBioChem, 2012, 13, 1798-1804.	2.6	34
38	Structural characterization of two lipopolysaccharide O-antigens produced by the endofungal bacterium Burkholderia sp. HKI-402 (B4). Carbohydrate Research, 2012, 347, 95-98.	2.3	13
39	Complete Genome Sequence of <i>Burkholderia rhizoxinica</i> , an Endosymbiont of <i>Rhizopus microsporus</i>. Journal of Bacteriology, 2011, 193, 783-784.	2.2	98
40	Endofungal bacterium controls its host by an <i>hrp</i> type III secretion system. ISME Journal, 2011, 5, 252-261.	9.8	112
41	Evolution of an endofungal Lifestyle: Deductions from the Burkholderia rhizoxinica Genome. BMC Genomics, 2011, 12, 210.	2.8	102
42	Impact of Endofungal Bacteria on Infection Biology, Food Safety, and Drug Development. PLoS Pathogens, 2011, 7, e1002096.	4.7	46
43	Characterization of Burkholderia rhizoxinica and B. endofungorum Isolated from Clinical Specimens. PLoS ONE, 2011, 6, e15731.	2.5	20
44	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxinâ€Producing Bacteria in Their Fungal Host. Angewandte Chemie, 2010, 122, 7638-7642.	2.0	13
45	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxinâ€Producing Bacteria in Their Fungal Host. Angewandte Chemie - International Edition, 2010, 49, 7476-7480.	13.8	50
46	Global Distribution and Evolution of a Toxinogenic <i>Burkholderia-Rhizopus</i> Symbiosis. Applied and Environmental Microbiology, 2009, 75, 2982-2986.	3.1	83
47	Endofungal bacteria as producers of mycotoxins. Trends in Microbiology, 2009, 17, 570-576.	7.7	82
48	Biosynthesis of Pentangular Polyphenols:Â Deductions from the Benastatin and Griseorhodin Pathways. Journal of the American Chemical Society, 2007, 129, 9306-9312.	13.7	62