

Thomas O Larsen

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

5,316
citations

87723

38
h-index

88477

70
g-index

103
all docs

103
docs citations

103
times ranked

5682
citing authors

#	ARTICLE	IF	CITATIONS
1	Identity and effects of quorum-sensing inhibitors produced by <i>Penicillium</i> species. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1325-1340.	0.7	425
2	Fumonisin B ₂ Production by <i>Aspergillus niger</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9727-9732.	2.4	319
3	Review of secondary metabolites and mycotoxins from the <i>Aspergillus niger</i> group. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1225-1242.	1.9	266
4	Exploring fungal biodiversity for the production of water-soluble pigments as potential natural food colorants. <i>Current Opinion in Biotechnology</i> , 2005, 16, 231-238.	3.3	226
5	Safety of the fungal workhorses of industrial biotechnology: update on the mycotoxin and secondary metabolite potential of <i>Aspergillus niger</i> , <i>Aspergillus oryzae</i> , and <i>Trichoderma reesei</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9481-9515.	1.7	213
6	Accurate prediction of secondary metabolite gene clusters in filamentous fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E99-107.	3.3	211
7	Phenotypic taxonomy and metabolite profiling in microbial drug discovery. <i>Natural Product Reports</i> , 2005, 22, 672.	5.2	194
8	Fumonisin and Ochratoxin Production in Industrial <i>Aspergillus niger</i> Strains. <i>PLoS ONE</i> , 2011, 6, e23496.	1.1	172
9	Investigation of inter- and intraspecies variation through genome sequencing of <i>Aspergillus</i> section <i>Nigri</i> . <i>Nature Genetics</i> , 2018, 50, 1688-1695.	9.4	160
10	Metabolomics of <i>Aspergillus fumigatus</i> . <i>Medical Mycology</i> , 2009, 47, S53-S71.	0.3	130
11	Aggressive dereplication using UHPLC-DAD-QTOF: screening extracts for up to 3000 fungal secondary metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1933-1943.	1.9	126
12	Linking secondary metabolites to gene clusters through genome sequencing of six diverse <i>Aspergillus</i> species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E753-E761.	3.3	126
13	A comparative genomics study of 23 <i>Aspergillus</i> species from section <i>Flavi</i> . <i>Nature Communications</i> , 2020, 11, 1106.	5.8	125
14	Accurate Dereplication of Bioactive Secondary Metabolites from Marine-Derived Fungi by UHPLC-DAD-QTOFMS and a MS/HRMS Library. <i>Marine Drugs</i> , 2014, 12, 3681-3705.	2.2	123
15	Chemodiversity in the genus <i>Aspergillus</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7859-7877.	1.7	102
16	Isolation and NMR Characterization of Fumonisin B ₂ and a New Fumonisin B ₆ from <i>Aspergillus niger</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 949-953.	2.4	100
17	Solonamide B Inhibits Quorum Sensing and Reduces <i>Staphylococcus aureus</i> Mediated Killing of Human Neutrophils. <i>PLoS ONE</i> , 2014, 9, e84992.	1.1	97
18	Dichlorodiaportin, Diaportinol, and Diaportinic Acid: Three Novel Isocoumarins from <i>Penicillium nalgiovense</i> . <i>Journal of Natural Products</i> , 1999, 62, 1182-1184.	1.5	89

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19	Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation. <i>Nature Communications</i> , 2018, 9, 2587.	5.8	85
20	Molecular and Chemical Characterization of the Biosynthesis of the 6-MSA-Derived Meroterpenoid Yanuthone D in <i>Aspergillus niger</i> . <i>Chemistry and Biology</i> , 2014, 21, 519-529.	6.2	84
21	UV-Guided Isolation of Alantrypinone, a Novel <i>Penicillium</i> Alkaloid. <i>Journal of Natural Products</i> , 1998, 61, 1154-1157.	1.5	75
22	Genes Linked to Production of Secondary Metabolites in <i>Talaromyces atrovirens</i> Revealed Using CRISPR-Cas9. <i>PLoS ONE</i> , 2017, 12, e0169712.	1.1	74
23	The importance of mass spectrometric dereplication in fungal secondary metabolite analysis. <i>Frontiers in Microbiology</i> , 2015, 6, 71.	1.5	69
24	Comparative Chemistry of <i>Aspergillus oryzae</i> (RIB40) and <i>A. flavus</i> (NRRL 3357). <i>Metabolites</i> , 2012, 2, 39-56.	1.3	66
25	Extrolites of <i>Aspergillus fumigatus</i> and Other Pathogenic Species in <i>Aspergillus</i> Section <i>Fumigati</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1485.	1.5	66
26	Black perithecial pigmentation in <i>Fusarium</i> species is due to the accumulation of 5-deoxybostrycoidin-based melanin. <i>Scientific Reports</i> , 2016, 6, 26206.	1.6	60
27	Formation of Sclerotia and Production of Indoloterpenes by <i>Aspergillus niger</i> and Other Species in Section <i>Nigri</i> . <i>PLoS ONE</i> , 2014, 9, e94857.	1.1	56
28	Genomic and Chemical Diversity of <i>Bacillus subtilis</i> Secondary Metabolites against Plant Pathogenic Fungi. <i>MSystems</i> , 2021, 6, .	1.7	55
29	Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2016, 11, e0168305.	1.1	53
30	Janoxepin and brevicompanine B: antiplasmodial metabolites from the fungus <i>Aspergillus janus</i> . <i>Tetrahedron</i> , 2005, 61, 8718-8721.	1.0	50
31	Production of mycotoxins by <i>Aspergillus lentulus</i> and other medically important and closely related species in section <i>Fumigati</i> . <i>Medical Mycology</i> , 2007, 45, 225-232.	0.3	50
32	Chemical Diversity, Origin, and Analysis of Phycotoxins. <i>Journal of Natural Products</i> , 2016, 79, 662-673.	1.5	49
33	Discovery of New Natural Products by Application of X-hitting, a Novel Algorithm for Automated Comparison of Full UV Spectra, Combined with Structural Determination by NMR Spectroscopy. <i>Journal of Natural Products</i> , 2005, 68, 871-874.	1.5	47
34	Chemodiversity of Ladder-Frame Pymnesin Polyethers in <i>Pymnesium parvum</i> . <i>Journal of Natural Products</i> , 2016, 79, 2250-2256.	1.5	47
35	Depiction of secondary metabolites and antifungal activity of <i>Bacillus velezensis</i> DTU001. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 142-149.	1.8	46
36	Genetic Characterization of Neosartorin Biosynthesis Provides Insight into Heterodimeric Natural Product Generation. <i>Organic Letters</i> , 2018, 20, 7197-7200.	2.4	43

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37	<i>Pseudoalteromonas haloplanktis</i> TAC125 produces 4-hydroxybenzoic acid that induces pyroptosis in human A459 lung adenocarcinoma cells. <i>Scientific Reports</i> , 2018, 8, 1190.	1.6	41
38	<i>Prymnesium parvum</i> revisited: Relationship between allelopathy, ichthyotoxicity, and chemical profiles in 5 strains. <i>Aquatic Toxicology</i> , 2014, 157, 159-166.	1.9	39
39	A-, B- and C-type prymnesins are clade specific compounds and chemotaxonomic markers in <i>Prymnesium parvum</i> . <i>Harmful Algae</i> , 2019, 81, 10-17.	2.2	39
40	Novofumigatonin, a New Orthoester Meroterpenoid from <i>Aspergillus novofumigatus</i> . <i>Organic Letters</i> , 2008, 10, 401-404.	2.4	38
41	Dereplication Guided Discovery of Secondary Metabolites of Mixed Biosynthetic Origin from <i>Aspergillus aculeatus</i> . <i>Molecules</i> , 2014, 19, 10898-10921.	1.7	38
42	Genetics of Polyketide Metabolism in <i>Aspergillus nidulans</i> . <i>Metabolites</i> , 2012, 2, 100-133.	1.3	37
43	Mycotoxin production by <i>Penicillium expansum</i> on blackcurrant and cherry juice. <i>Food Additives and Contaminants</i> , 1998, 15, 671-675.	2.0	36
44	epi-Aszonalenins A, B, and C from <i>Aspergillus novofumigatus</i> . <i>Tetrahedron Letters</i> , 2006, 47, 6099-6102.	0.7	36
45	Karmitoxin: An Amine-Containing Polyhydroxy-Polyene Toxin from the Marine Dinoflagellate <i>Karlodinium armiger</i> . <i>Journal of Natural Products</i> , 2017, 80, 1287-1293.	1.5	34
46	Uncovering secondary metabolite evolution and biosynthesis using gene cluster networks and genetic dereplication. <i>Scientific Reports</i> , 2018, 8, 17957.	1.6	33
47	Atrososins: a new subgroup of <i>Monascus</i> pigments from <i>Talaromyces atroseus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 615-622.	1.7	31
48	Linker Flexibility Facilitates Module Exchange in Fungal Hybrid PKS-NRPS Engineering. <i>PLoS ONE</i> , 2016, 11, e0161199.	1.1	30
49	Unique processes yielding pure azaphilones in <i>Talaromyces atroseus</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 603-613.	1.7	27
50	Characterization of four new antifungal yanuthones from <i>Aspergillus niger</i> . <i>Journal of Antibiotics</i> , 2015, 68, 201-205.	1.0	26
51	Physiological characterization of secondary metabolite producing <i>Penicillium</i> cell factories. <i>Fungal Biology and Biotechnology</i> , 2017, 4, 8.	2.5	26
52	A Dereplication and Bioguided Discovery Approach to Reveal New Compounds from a Marine-Derived Fungus <i>Stilbella fimetaria</i> . <i>Marine Drugs</i> , 2017, 15, 253.	2.2	24
53	Tenuazonic acid from <i>Stemphylium lotii</i> inhibits the plant plasma membrane H ⁺ -ATPase by a mechanism involving the C-terminal regulatory domain. <i>New Phytologist</i> , 2020, 226, 770-784.	3.5	24
54	Identification of the decumbenone biosynthetic gene cluster in <i>Penicillium decumbens</i> and the importance for production of calbistrin. <i>Fungal Biology and Biotechnology</i> , 2018, 5, 18.	2.5	23

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55	Cyclopiamines C and D: Epoxide Spiroindolinone Alkaloids from <i>Penicillium</i> sp. CML 3020. <i>Journal of Natural Products</i> , 2018, 81, 785-790.	1.5	21
56	Zebrafish-Based Discovery of Antiseizure Compounds from the North Sea: Isoquinoline Alkaloids TMC-120A and TMC-120B. <i>Marine Drugs</i> , 2019, 17, 607.	2.2	21
57	Investigation of a 6â€MSA Synthase Gene Cluster in <i>Aspergillus aculeatus</i> Reveals 6â€MSAâ€derived Aculinic Acid, Aculins Aâ€B and Epiâ€Aculinâ€A. <i>ChemBioChem</i> , 2015, 16, 2200-2204.	1.3	20
58	Biodiversity of mycobiota throughout the Brazil nut supply chain: From rainforest to consumer. <i>Food Microbiology</i> , 2017, 61, 14-22.	2.1	20
59	Development of a LC-MS/MS method for the quantification of goniodomins A and B and its application to <i>Alexandrium pseudogonyaulax</i> strains and plankton field samples of Danish coastal waters. <i>Toxicon</i> , 2018, 155, 51-60.	0.8	20
60	Classification of Species in the Genus <i>Penicillium</i> by Curie Point Pyrolysis/Mass Spectrometry Followed by Multivariate Analysis and Artificial Neural Networks. <i>Journal of Mass Spectrometry</i> , 1996, 31, 1422-1428.	0.7	17
61	Atlantinone A, a Meroterpenoid Produced by <i>Penicillium ribeum</i> and Several Cheese Associated <i>Penicillium</i> Species. <i>Metabolites</i> , 2012, 2, 214-220.	1.3	17
62	Induced sclerotium formation exposes new bioactive metabolites from <i>Aspergillus sclerotii carbonarius</i> . <i>Journal of Antibiotics</i> , 2015, 68, 603-608.	1.0	16
63	Acurin A, a novel hybrid compound, biosynthesized by individually translated PKS- and NRPS-encoding genes in <i>Aspergillus aculeatus</i> . <i>Fungal Genetics and Biology</i> , 2020, 139, 103378.	0.9	16
64	Dereplication-guided isolation of depsides thielavins Sâ€T and lecanorins Dâ€F from the endophytic fungus <i>Setophoma</i> sp.. <i>Phytochemistry</i> , 2015, 111, 154-162.	1.4	15
65	Characterization of a membrane-bound C-glucosyltransferase responsible for carminic acid biosynthesis in <i>Dactylopius coccus</i> Costa. <i>Nature Communications</i> , 2017, 8, 1987.	5.8	15
66	Production of the antimicrobial compound tetrabromopyrrole and the <i>Pseudomonas</i> quinolone system precursor, 2-heptyl-4-quinolone, by a novel marine species <i>Pseudoalteromonas galathea</i> sp. nov.. <i>Scientific Reports</i> , 2020, 10, 21630.	1.6	15
67	On the biosynthetic origin of carminic acid. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 96, 51-61.	1.2	12
68	Chitin Degradation Machinery and Secondary Metabolite Profiles in the Marine Bacterium <i>Pseudoalteromonas rubra</i> S4059. <i>Marine Drugs</i> , 2021, 19, 108.	2.2	12
69	Isolation, Structural Analyses and Biological Activity Assays against Chronic Lymphocytic Leukemia of Two Novel Cytochalasins â€” Sclerotionigrin A and B. <i>Molecules</i> , 2014, 19, 9786-9797.	1.7	11
70	The Antibiotic Andrimid Produced by <i>Vibrio corallilyticus</i> Increases Expression of Biosynthetic Gene Clusters and Antibiotic Production in <i>Photobacterium galathea</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 622055.	1.5	11
71	The coupling between irradiance, growth, photosynthesis and prymnesin cell quota and production in two strains of the bloom-forming haptophyte, <i>Prymnesium parvum</i> . <i>Harmful Algae</i> , 2022, 112, 102173.	2.2	11
72	A Mild Method for Regioselective Labeling of Aromatics with Radioactive Iodine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3970-3973.	1.2	10

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73	Isolation of Methyl Troposulfenin from <i>Phaeobacter inhibens</i> . Journal of Natural Products, 2019, 82, 1387-1390.	1.5	10
74	Holomycin, an Antibiotic Secondary Metabolite, Is Required for Biofilm Formation by the Native Producer Photobacterium galathea S2753. Applied and Environmental Microbiology, 2021, 87, .	1.4	10
75	Polyketide synthase genes and molecular trade-offs in the ichthyotoxic species <i>Prymnesium parvum</i> . Science of the Total Environment, 2021, 795, 148878.	3.9	10
76	Review of Oxepine-Pyrimidinone-Ketopiperazine Type Nonribosomal Peptides. Metabolites, 2020, 10, 246.	1.3	9
77	Bioactive Ascochlorin Analogues from the Marine-Derived Fungus <i>Stilbella fimetaria</i> . Marine Drugs, 2021, 19, 46.	2.2	9
78	Enhancement of antibiotic production by co-cultivation of two antibiotic producing marine <i>Vibrionaceae</i> strains. FEMS Microbiology Ecology, 2021, 97, .	1.3	9
79	HPLC-HRMS Quantification of the Ichthyotoxin Karmitoxin from <i>Karlodinium armiger</i> . Marine Drugs, 2017, 15, 278.	2.2	8
80	Development of an Indirect Quantitation Method to Assess Ichthyotoxic B-Type <i>Prymnesium parvum</i> . Toxins, 2019, 11, 251.	1.5	8
81	Mass Spectrometry Guided Discovery and Design of Novel Asperphenamate Analogs From <i>Penicillium astrolabium</i> Reveals an Extraordinary NRPS Flexibility. Frontiers in Microbiology, 2020, 11, 618730.	1.5	8
82	Taxonomy Driven Discovery of Polyketides from <i>Aspergillus californicus</i> . Journal of Natural Products, 2021, 84, 979-985.	1.5	8
83	Mass Spectrometry-Based Network Analysis Reveals New Insights Into the Chemodiversity of 28 Species in <i>Aspergillus</i> section Flavi. Frontiers in Fungal Biology, 2021, 2, .	0.9	8
84	Current status of secondary metabolite pathways linked to their related biosynthetic gene clusters in <i>Aspergillus</i> section <i>Nigri</i> . Natural Product Reports, 2023, 40, 237-274.	5.2	7
85	Biosynthesis of Calipyridone A Represents a Fungal 2-Pyridone Formation without Ring Expansion in <i>Aspergillus californicus</i> . Organic Letters, 2022, 24, 804-808.	2.4	6
86	UV- ϵ -Guided Isolation of Fungal Metabolites by HSCCC. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 2029-2039.	0.5	5
87	Aspiperidine oxide, a piperidine N-oxide from the filamentous fungus <i>Aspergillus indologenus</i> . Tetrahedron Letters, 2015, 56, 1847-1850.	0.7	5
88	Karmitoxin production by <i>Karlodinium armiger</i> and the effects of <i>K. armiger</i> and karmitoxin towards fish. Harmful Algae, 2020, 99, 101905.	2.2	5
89	Oxepinamides L and M, two new oxepine-pyrimidinone-ketopiperazine type nonribosomal peptides from <i>Aspergillus californicus</i> . Natural Product Research, 2022, 36, 2043-2048.	1.0	5
90	Alkali Metal- and Acid-Catalyzed Interconversion of Goniodomin A with Congeners B and C. Journal of Natural Products, 2021, 84, 2554-2567.	1.5	5

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91	A Molecular Networking Based Discovery of Diketopiperazine Heterodimers and Aspergillins from <i>Aspergillus caelatus</i> . <i>Journal of Natural Products</i> , 2022, 85, 25-33.	1.5	5
92	Genetic origin of homopyrones, a rare type of hybrid phenylpropanoid- and polyketide-derived yellow pigments from <i>Aspergillus homomorphus</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 5113-5121.	1.7	4
93	New azaphilones from <i>Aspergillus neoglaber</i> . <i>AMB Express</i> , 2020, 10, 145.	1.4	4
94	Polycyclic Tetramate Macrolactams – A Group of Natural Bioactive Metallophores. <i>Frontiers in Chemistry</i> , 2021, 9, 772858.	1.8	4
95	From the North Sea to Drug Repurposing, the Antiseizure Activity of Halimide and Plinabulin. <i>Pharmaceuticals</i> , 2022, 15, 247.	1.7	4
96	Chemical characterisation of cheese associated fungi. <i>Mycotoxin Research</i> , 2000, 16, 109-112.	1.3	3
97	Phoenicin Switch: Discovering the Trigger for Radical Phoenicin Production in Multiple Wild-Type <i>Penicillium</i> Species. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	3
98	Fungal Partially Reducing Polyketides and Related Natural Products From <i>Aspergillus</i> , <i>Penicillium</i> , and <i>Talaromyces</i> . , 2020, , 313-332.		2
99	A Concise Total Synthesis of the Fungal Isoquinoline Alkaloid TMC-120B. <i>Molecules</i> , 2022, 27, 521.	1.7	2
100	New naphthyl derivatives from <i>Aspergillus californicus</i> . <i>Journal of Antibiotics</i> , 2021, 74, 111-114.	1.0	1