Thomas O Larsen

List of Publications by Year
in descending order

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		87888	88630
100	5,316	38	70
papers	citations	h-index	g-index

103	103	103	5682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identity and effects of quorum-sensing inhibitors produced by Penicillium species. Microbiology (United Kingdom), 2005, 151, 1325-1340.	1.8	425
2	Fumonisin B₂ Production by Aspergillus niger. Journal of Agricultural and Food Chemistry, 2007, 55, 9727-9732.	5.2	319
3	Review of secondary metabolites and mycotoxins from the Aspergillus niger group. Analytical and Bioanalytical Chemistry, 2009, 395, 1225-1242.	3.7	266
4	Exploring fungal biodiversity for the production of water-soluble pigments as potential natural food colorants. Current Opinion in Biotechnology, 2005, 16, 231-238.	6.6	226
5	Safety of the fungal workhorses of industrial biotechnology: update on the mycotoxin and secondary metabolite potential of Aspergillus niger, Aspergillus oryzae, and Trichoderma reesei. Applied Microbiology and Biotechnology, 2018, 102, 9481-9515.	3.6	213
6	Accurate prediction of secondary metabolite gene clusters in filamentous fungi. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E99-107.	7.1	211
7	Phenotypic taxonomy and metabolite profiling in microbial drug discovery. Natural Product Reports, 2005, 22, 672.	10.3	194
8	Fumonisin and Ochratoxin Production in Industrial Aspergillus niger Strains. PLoS ONE, 2011, 6, e23496.	2.5	172
9	Investigation of inter- and intraspecies variation through genome sequencing of Aspergillus section Nigri. Nature Genetics, 2018, 50, 1688-1695.	21.4	160
10	Metabolomics ofAspergillus fumigatus. Medical Mycology, 2009, 47, S53-S71.	0.7	130
11	Aggressive dereplication using UHPLCâ€“DADâ€“QTOF: screening extracts for up to 3000 fungal secondary metabolites. Analytical and Bioanalytical Chemistry, 2014, 406, 1933-1943.	3.7	126
12	Linking secondary metabolites to gene clusters through genome sequencing of six diverse Aspergillus species. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E753-E761.	7.1	126
13	A comparative genomics study of 23 Aspergillus species from section Flavi. Nature Communications, 2020, 11, 1106.	12.8	125
14	Accurate Dereplication of Bioactive Secondary Metabolites from Marine-Derived Fungi by UHPLC-DAD-QTOFMS and a MS/HRMS Library. Marine Drugs, 2014, 12, 3681-3705.	4.6	123
15	Chemodiversity in the genus Aspergillus. Applied Microbiology and Biotechnology, 2015, 99, 7859-7877.	3.6	102
16	Isolation and NMR Characterization of Fumonisin B₂and a New Fumonisin B₆fromAspergillus niger. Journal of Agricultural and Food Chemistry, 2010, 58, 949-953.	5.2	100
17	Solonamide B Inhibits Quorum Sensing and Reduces Staphylococcus aureus Mediated Killing of Human Neutrophils. PLoS ONE, 2014, 9, e84992.	2.5	97
18	Dichlorodiaportin, Diaportinol, and Diaportinic Acid:Â Three Novel Isocoumarins fromPenicillium nalgiovense. Journal of Natural Products, 1999, 62, 1182-1184.	3.0	89

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19	Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation. Nature Communications, 2018, 9, 2587.	12.8	85
20	Molecular and Chemical Characterization of the Biosynthesis of the 6-MSA-Derived Meroterpenoid Yanuthone D in Aspergillus niger. Chemistry and Biology, 2014, 21, 519-529.	6.0	84
21	UV-Guided Isolation of Alantrypinone, a NovelPenicilliumAlkaloid. Journal of Natural Products, 1998, 61, 1154-1157.	3.0	75
22	Genes Linked to Production of Secondary Metabolites in Talaromyces atroroseus Revealed Using CRISPR-Cas9. PLoS ONE, 2017, 12, e0169712.	2.5	74
23	The importance of mass spectrometric dereplication in fungal secondary metabolite analysis. Frontiers in Microbiology, 2015, 6, 71.	3.5	69
24	Comparative Chemistry of Aspergillus oryzae (RIB40) and A. flavus (NRRL 3357). Metabolites, 2012, 2, 39-56.	2.9	66
25	Extrolites of Aspergillus fumigatus and Other Pathogenic Species in Aspergillus Section Fumigati. Frontiers in Microbiology, 2015, 6, 1485.	3.5	66
26	Black perithecial pigmentation in Fusarium species is due to the accumulation of 5-deoxybostrycoidin-based melanin. Scientific Reports, 2016, 6, 26206.	3.3	60
27	Formation of Sclerotia and Production of Indoloterpenes by Aspergillus niger and Other Species in Section Nigri. PLoS ONE, 2014, 9, e94857.	2.5	56
28	Genomic and Chemical Diversity of Bacillus subtilis Secondary Metabolites against Plant Pathogenic Fungi. MSystems, 2021, 6, .	3.8	55
29	Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in Staphylococcus aureus. PLoS ONE, 2016, 11, e0168305.	2.5	53
30	Janoxepin and brevicompanine B: antiplasmodial metabolites from the fungus Aspergillus janus. Tetrahedron, 2005, 61, 8718-8721.	1.9	50
31	Production of mycotoxins byAspergillus lentulusand other medically important and closely related species in sectionFumigati. Medical Mycology, 2007, 45, 225-232.	0.7	50
32	Chemical Diversity, Origin, and Analysis of Phycotoxins. Journal of Natural Products, 2016, 79, 662-673.	3.0	49
33	Discovery of New Natural Products by Application ofX-hitting, a Novel Algorithm for Automated Comparison of Full UV Spectra, Combined with Structural Determination by NMR Spectroscopy. Journal of Natural Products, 2005, 68, 871-874.	3.0	47
34	Chemodiversity of Ladder-Frame Prymnesin Polyethers in Prymnesium parvum. Journal of Natural Products, 2016, 79, 2250-2256.	3.0	47
35	Depiction of secondary metabolites and antifungal activity of Bacillus velezensis DTU001. Synthetic and Systems Biotechnology, 2019, 4, 142-149.	3.7	46
36	Genetic Characterization of Neosartorin Biosynthesis Provides Insight into Heterodimeric Natural Product Generation. Organic Letters, 2018, 20, 7197-7200.	4.6	43

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37	Pseudoalteromonas haloplanktis TAC125 produces 4-hydroxybenzoic acid that induces pyroptosis in human A459 lung adenocarcinoma cells. Scientific Reports, 2018, 8, 1190.	3.3	41
38	Prymnesium parvum revisited: Relationship between allelopathy, ichthyotoxicity, and chemical profiles in 5 strains. Aquatic Toxicology, 2014, 157, 159-166.	4.0	39
39	A-, B- and C-type prymnesins are clade specific compounds and chemotaxonomic markers in Prymnesium parvum. Harmful Algae, 2019, 81, 10-17.	4.8	39
40	Novofumigatonin, a New Orthoester Meroterpenoid from Aspergillus novofumigatus. Organic Letters, 2008, 10, 401-404.	4.6	38
41	Dereplication Guided Discovery of Secondary Metabolites of Mixed Biosynthetic Origin from Aspergillus aculeatus. Molecules, 2014, 19, 10898-10921.	3.8	38
42	Genetics of Polyketide Metabolism in Aspergillus nidulans. Metabolites, 2012, 2, 100-133.	2.9	37
43	Mycotoxin production byPenicillium expansumon blackcurrant and cherry juice. Food Additives and Contaminants, 1998, 15, 671-675.	2.0	36
44	epi-Aszonalenins A, B, and C from Aspergillus novofumigatus. Tetrahedron Letters, 2006, 47, 6099-6102.	1.4	36
45	Karmitoxin: An Amine-Containing Polyhydroxy-Polyene Toxin from the Marine Dinoflagellate Karlodinium armiger. Journal of Natural Products, 2017, 80, 1287-1293.	3.0	34
46	Uncovering secondary metabolite evolution and biosynthesis using gene cluster networks and genetic dereplication. Scientific Reports, 2018, 8, 17957.	3.3	33
47	Atrorosins: a new subgroup of Monascus pigments from Talaromyces atroroseus. Applied Microbiology and Biotechnology, 2020, 104, 615-622.	3.6	31
48	Linker Flexibility Facilitates Module Exchange in Fungal Hybrid PKS-NRPS Engineering. PLoS ONE, 2016, 11, e0161199.	2.5	30
49	Unique processes yielding pure azaphilones in Talaromyces atroroseus. Applied Microbiology and Biotechnology, 2020, 104, 603-613.	3.6	27
50	Characterization of four new antifungal yanuthones from Aspergillus niger. Journal of Antibiotics, 2015, 68, 201-205.	2.0	26
51	Physiological characterization of secondary metabolite producing Penicillium cell factories. Fungal Biology and Biotechnology, 2017, 4, 8.	5.1	26
52	A Dereplication and Bioguided Discovery Approach to Reveal New Compounds from a Marine-Derived Fungus Stilbella fimetaria. Marine Drugs, 2017, 15, 253.	4.6	24
53	Tenuazonic acid fromStemphylium lotiinhibits the plant plasma membrane H+â€ATPase by a mechanism involving the Câ€terminal regulatory domain. New Phytologist, 2020, 226, 770-784.	7.3	24
54	Identification of the decumbenone biosynthetic gene cluster in Penicillium decumbens and the importance for production of calbistrin. Fungal Biology and Biotechnology, 2018, 5, 18.	5.1	23

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55	Cyclopiamines C and D: Epoxide Spiroindolinone Alkaloids from Penicillium sp. CML 3020. Journal of Natural Products, 2018, 81, 785-790.	3.0	21
56	Zebrafish-Based Discovery of Antiseizure Compounds from the North Sea: Isoquinoline Alkaloids TMC-120A and TMC-120B. Marine Drugs, 2019, 17, 607.	4.6	21
57	Investigation of a 6â€MSA Synthase Gene Cluster in Aspergillus aculeatus Reveals 6â€MSAâ€derived Aculinic Acid, Aculins Aâ€“B and Epiâ€Aculinâ€…A. ChemBioChem, 2015, 16, 2200-2204.	2.6	20
58	Biodiversity of mycobiota throughout the Brazil nut supply chain: From rainforest to consumer. Food Microbiology, 2017, 61, 14-22.	4.2	20
59	Development of a LC-MS/MS method for the quantification of goniodomins A and B and its application to Alexandrium pseudogonyaulax strains and plankton field samples of Danish coastal waters. Toxicon, 2018, 155, 51-60.	1.6	20
60	Classification of Species in the GenusPenicilliumby Curie Point Pyrolysis/Mass Spectrometry Followed by Multivariate Analysis and Artificial Neural Networks. Journal of Mass Spectrometry, 1996, 31, 1422-1428.	1.6	17
61	Atlantinone A, a Meroterpenoid Produced by Penicillium ribeum and Several Cheese Associated Penicillium Species. Metabolites, 2012, 2, 214-220.	2.9	17
62	Induced sclerotium formation exposes new bioactive metabolites from Aspergillus sclerotiicarbonarius. Journal of Antibiotics, 2015, 68, 603-608.	2.0	16
63	Acurin A, a novel hybrid compound, biosynthesized by individually translated PKS- and NRPS-encoding genes in Aspergillus aculeatus. Fungal Genetics and Biology, 2020, 139, 103378.	2.1	16
64	Dereplication-guided isolation of depsides thielavins Sâ€“T and lecanorins Dâ€“F from the endophytic fungus Setophoma sp.. Phytochemistry, 2015, 111, 154-162.	2.9	15
65	Characterization of a membrane-bound C-glucosyltransferase responsible for carminic acid biosynthesis in Dactylopius coccus Costa. Nature Communications, 2017, 8, 1987.	12.8	15
66	Production of the antimicrobial compound tetrabromopyrrole and the Pseudomonas quinolone system precursor, 2-heptyl-4-quinolone, by a novel marine species Pseudoalteromonas galatheae sp. nov.. Scientific Reports, 2020, 10, 21630.	3.3	15
67	On the biosynthetic origin of carminic acid. Insect Biochemistry and Molecular Biology, 2018, 96, 51-61.	2.7	12
68	Chitin Degradation Machinery and Secondary Metabolite Profiles in the Marine Bacterium Pseudoalteromonas rubra S4059. Marine Drugs, 2021, 19, 108.	4.6	12
69	Isolation, Structural Analyses and Biological Activity Assays against Chronic Lymphocytic Leukemia of Two Novel Cytochalasins â€” Sclerotionigrin A and B. Molecules, 2014, 19, 9786-9797.	3.8	11
70	The Antibiotic Andrimid Produced by Vibrio coralliilyticus Increases Expression of Biosynthetic Gene Clusters and Antibiotic Production in Photobacterium galatheae. Frontiers in Microbiology, 2020, 11, 622055.	3.5	11
71	The coupling between irradiance, growth, photosynthesis and prymnesin cell quota and production in two strains of the bloom-forming haptophyte, Prymnesium parvum. Harmful Algae, 2022, 112, 102173.	4.8	11
72	A Mild Method for Regioselective Labeling of Aromatics with Radioactive Iodine. European Journal of Organic Chemistry, 2013, 2013, 3970-3973.	2.4	10

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73	Isolation of Methyl Troposulfenin from Phaeobacter inhibens. Journal of Natural Products, 2019, 82, 1387-1390.	3.0	10
74	Holomycin, an Antibiotic Secondary Metabolite, Is Required for Biofilm Formation by the Native Producer Photobacterium galatheae S2753. Applied and Environmental Microbiology, 2021, 87, .	3.1	10
75	Polyketide synthase genes and molecular trade-offs in the ichthyotoxic species Prymnesium parvum. Science of the Total Environment, 2021, 795, 148878.	8.0	10
76	Review of Oxepine-Pyrimidinone-Ketopiperazine Type Nonribosomal Peptides. Metabolites, 2020, 10, 246.	2.9	9
77	Bioactive Ascochlorin Analogues from the Marine-Derived Fungus Stilbella fimetaria. Marine Drugs, 2021, 19, 46.	4.6	9
78	Enhancement of antibiotic production by co-cultivation of two antibiotic producing marine Vibrionaceae strains. FEMS Microbiology Ecology, 2021, 97, .	2.7	9
79	HPLC-HRMS Quantification of the Ichthyotoxin Karmitoxin from Karlodinium armiger. Marine Drugs, 2017, 15, 278.	4.6	8
80	Development of an Indirect Quantitation Method to Assess Ichthyotoxic B-Type Prymnesins from Prymnesium parvum. Toxins, 2019, 11, 251.	3.4	8
81	Mass Spectrometry Guided Discovery and Design of Novel Asperphenamate Analogs From Penicillium astrolabium Reveals an Extraordinary NRPS Flexibility. Frontiers in Microbiology, 2020, 11, 618730.	3.5	8
82	Taxonomy Driven Discovery of Polyketides from Aspergillus californicus. Journal of Natural Products, 2021, 84, 979-985.	3.0	8
83	Mass Spectrometry-Based Network Analysis Reveals New Insights Into the Chemodiversity of 28 Species in Aspergillus section Flavi. Frontiers in Fungal Biology, 2021, 2, .	2.0	8
84	Current status of secondary metabolite pathways linked to their related biosynthetic gene clusters in Aspergillus section Nigri. Natural Product Reports, 2023, 40, 237-274.	10.3	7
85	Biosynthesis of Calipyridone A Represents a Fungal 2-Pyridone Formation without Ring Expansion in Aspergillus californicus. Organic Letters, 2022, 24, 804-808.	4.6	6
86	UVâ€Guided Isolation of Fungal Metabolites by HSCCC. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 2029-2039.	1.0	5
87	Aspiperidine oxide, a piperidine N-oxide from the filamentous fungus Aspergillus indologenus. Tetrahedron Letters, 2015, 56, 1847-1850.	1.4	5
88	Karmitoxin production by Karlodinium armiger and the effects of K. armiger and karmitoxin towards fish. Harmful Algae, 2020, 99, 101905.	4.8	5
89	Oxepinamides L and M, two new oxepine-pyrimidinone-ketopiperazine type nonribosomal peptides from Aspergillus californicus. Natural Product Research, 2022, 36, 2043-2048.	1.8	5
90	Alkali Metal- and Acid-Catalyzed Interconversion of Goniodomin A with Congeners B and C. Journal of Natural Products, 2021, 84, 2554-2567.	3.0	5

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91	A Molecular Networking Based Discovery of Diketopiperazine Heterodimers and Aspergillicins from Aspergillus caelatus. Journal of Natural Products, 2022, 85, 25-33.	3.0	5
92	Genetic origin of homopyrones, a rare type of hybrid phenylpropanoid- and polyketide-derived yellow pigments from Aspergillus homomorphus. Applied Microbiology and Biotechnology, 2021, 105, 5113-5121.	3.6	4
93	New azaphilones from Aspergillus neoglaber. AMB Express, 2020, 10, 145.	3.0	4
94	Polycyclic Tetramate Macrolactamsâ€"A Group of Natural Bioactive Metallophores. Frontiers in Chemistry, 2021, 9, 772858.	3.6	4
95	From the North Sea to Drug Repurposing, the Antiseizure Activity of Halimide and Plinabulin. Pharmaceuticals, 2022, 15, 247.	3.8	4
96	Chemical characterisation of cheese associated fungi. Mycotoxin Research, 2000, 16, 109-112.	2.3	3
97	Phoenicin Switch: Discovering the Trigger for Radical Phoenicin Production in Multiple Wild-Type Penicillium Species. Applied and Environmental Microbiology, 2022, 88, .	3.1	3
98	Fungal Partially Reducing Polyketides and Related Natural Products From Aspergillus, Penicillium, and Talaromyces. , 2020, , 313-332.		2
99	A Concise Total Synthesis of the Fungal Isoquinoline Alkaloid TMC-120B. Molecules, 2022, 27, 521.	3.8	2
100	New naphthyl derivatives from Aspergillus californicus. Journal of Antibiotics, 2021, 74, 111-114.	2.0	1