

Alberto Amato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6762738/publications.pdf>

Version: 2024-02-01

37
papers

1,915
citations

394390

19
h-index

345203

36
g-index

37
all docs

37
docs citations

37
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproductive Isolation among Sympatric Cryptic Species in Marine Diatoms. <i>Protist</i> , 2007, 158, 193-207.	1.5	416
2	Genome engineering empowers the diatom <i>Phaeodactylum tricornutum</i> for biotechnology. <i>Nature Communications</i> , 2014, 5, 3831.	12.8	351
3	The lipid metabolism in thraustochytrids. <i>Progress in Lipid Research</i> , 2019, 76, 101007.	11.6	119
4	LIFE CYCLE, SIZE REDUCTION PATTERNS, AND ULTRASTRUCTURE OF THE PENNATE PLANKTONIC DIATOM PSEUDO-NITZSCHIA DELICATISSIMA (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 2005, 41, 542-556.	2.3	115
5	Morphology, phylogeny, and sexual cycle of <i>Pseudo-nitzschia mannii</i> sp. nov. (Bacillariophyceae): a pseudo-cryptic species within the <i>P. pseudodelicatissima</i> complex. <i>Phycologia</i> , 2008, 47, 487-497.	1.4	95
6	Internal Transcribed Spacer Polymorphism in <i>Pseudo-nitzschia multistriata</i> (Bacillariophyceae) in the Gulf of Naples: Recent Divergence or Intraspecific Hybridization?. <i>Protist</i> , 2009, 160, 9-20.	1.5	64
7	Sexual and vegetative phases in the planktonic diatom <i>Pseudo-nitzschia multistriata</i> . <i>Harmful Algae</i> , 2009, 8, 225-232.	4.8	59
8	Proposal of a new thraustochytrid genus <i>Honda</i> gen. nov. and comparison of its lipid dynamics with the closely related pseudo-cryptic genus <i>Aurantiochytrium</i> . <i>Algal Research</i> , 2018, 35, 125-141.	4.6	55
9	Ultrastructure and Membrane Traffic During Cell Division in the Marine Pennate Diatom <i>Phaeodactylum tricornutum</i> . <i>Protist</i> , 2015, 166, 506-521.	1.5	51
10	Grazer-induced transcriptomic and metabolomic response of the chain-forming diatom <i>Skeletonema marinoi</i> . <i>ISME Journal</i> , 2018, 12, 1594-1604.	9.8	50
11	Mitosis in diatoms: rediscovering an old model for cell division. <i>BioEssays</i> , 2009, 31, 874-884.	2.5	48
12	The diatom molecular toolkit to handle nitrogen uptake. <i>Marine Genomics</i> , 2015, 24, 95-108.	1.1	48
13	Plastid Inheritance in the Planktonic Raphid Pennate Diatom <i>Pseudo-nitzschia delicatissima</i> (Bacillariophyceae). <i>Protist</i> , 2008, 159, 91-98.	1.5	45
14	Intracellular domoic acid production in <i>Pseudo-nitzschia multistriata</i> isolated from the Gulf of Naples (Tyrrhenian Sea, Italy). <i>Toxicon</i> , 2010, 55, 157-161.	1.6	45
15	Animal-like prostaglandins in marine microalgae. <i>ISME Journal</i> , 2017, 11, 1722-1726.	9.8	36
16	Marine diatoms change their gene expression profile when exposed to microscale turbulence under nutrient replete conditions. <i>Scientific Reports</i> , 2017, 7, 3826.	3.3	27
17	Nutrient consumption and chain tuning in diatoms exposed to storm-like turbulence. <i>Scientific Reports</i> , 2017, 7, 1828.	3.3	25
18	The sexual phase of the diatom <i>Pseudo-nitzschia multistriata</i> : cytological and time-lapse cinematography characterization. <i>Protoplasma</i> , 2016, 253, 1421-1431.	2.1	24

#	ARTICLE	IF	CITATIONS
19	Meta-Omics Reveals Genetic Flexibility of Diatom Nitrogen Transporters in Response to Environmental Changes. <i>Molecular Biology and Evolution</i> , 2019, 36, 2522-2535.	8.9	23
20	Ecophysiology and lipid dynamics of a eukaryotic mangrove decomposer. <i>Environmental Microbiology</i> , 2018, 20, 3057-3068.	3.8	21
21	Molecular phylogeny of Oncaeidae (Copepoda) using nuclear ribosomal internal transcribed spacer (ITS rDNA). <i>PLoS ONE</i> , 2017, 12, e0175662.	2.5	19
22	Sequencing, <i>De Novo</i> Assembly, and Annotation of the Complete Genome of a New Thraustochytrid Species, Strain CCAP_4062/3. <i>Genome Announcements</i> , 2018, 6, .	0.8	17
23	WGEUROBUS “ Working Group “Towards a EUROpean OBServatory of the non-indigenous calanoid copepod <i>Pseudodiaptomus marinus</i> . <i>Biological Invasions</i> , 2020, 22, 885-906.	2.4	17
24	Cryptic Diversity: a Long-lasting Issue for Diatomologists. <i>Protist</i> , 2019, 170, 1-7.	1.5	14
25	Illumina and PacBio DNA sequencing data, de novo assembly and annotation of the genome of <i>Aurantiochytrium limacinum</i> strain CCAP_4062/1. <i>Data in Brief</i> , 2020, 31, 105729.	1.0	14
26	PDAT regulates PE as transient carbon sink alternative to triacylglycerol in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2022, 189, 1345-1362.	4.8	14
27	Variation in prostaglandin metabolism during growth of the diatom <i>Thalassiosira rotula</i> . <i>Scientific Reports</i> , 2020, 10, 5374.	3.3	13
28	Multiplexed CRISPR/Cas9 editing of the long-chain acyl-CoA synthetase family in the diatom <i>Phaeodactylum tricornutum</i> reveals that mitochondrial ptACSL3 is involved in the synthesis of storage lipids. <i>New Phytologist</i> , 2022, 233, 1797-1812.	7.3	13
29	Lipid Droplets in Unicellular Photosynthetic Stramenopiles. <i>Frontiers in Plant Science</i> , 2021, 12, 639276.	3.6	12
30	Rare interspecific breeding in <i>Pseudo-nitzschia</i> (Bacillariophyceae). <i>Phytotaxa</i> , 2015, 217, 145.	0.3	11
31	ITS2 in calanoid copepods: reconstructing phylogenetic relationships and identifying a newly introduced species in the Mediterranean. , 2017, 84, 104-115.		11
32	Regulation of chain length in two diatoms as a growth-fragmentation process. <i>Physical Review E</i> , 2016, 94, 022418.	2.1	10
33	The zoospores of the thraustochytrid <i>Aurantiochytrium limacinum</i> : Transcriptional reprogramming and lipid metabolism associated to their specific functions. <i>Environmental Microbiology</i> , 2020, 22, 1901-1916.	3.8	9
34	Characterization of the Bubblegum acyl-CoA synthetase of <i>Microchloropsis gaditana</i> . <i>Plant Physiology</i> , 2021, 185, 815-835.	4.8	9
35	Structure and enzymatic degradation of the polysaccharide secreted by <i>Nostoc commune</i> . <i>Carbohydrate Research</i> , 2022, 515, 108544.	2.3	6
36	TURBOGEN: Computer-controlled vertically oscillating grid system for small-scale turbulence studies on plankton. <i>Review of Scientific Instruments</i> , 2016, 87, 035119.	1.3	5

#	ARTICLE	IF	CITATIONS
37	An Oil Hyper-Accumulator Mutant Highlights Peroxisomal ATP Import as a Regulatory Step for Fatty Acid Metabolism in <i>Aurantiochytrium limacinum</i> . <i>Cells</i> , 2021, 10, 2680.	4.1	4