Jonas CollÃ©n

List of Publications by Year
in descending order

40 papers	3,566 citations	236612 25 h-index	276539 41 g-index
45 all docs	45 docs citations	45 times ranked	3856 citing authors

#	Article	IF	Citations
1	Insights into agar and secondary metabolite pathways from the genome of the red alga Gracilaria domingensis (Rhodophyta, Gracilariales). Journal of Phycology, 2022, 58, 406-423.	1.0	10
2	Modulation of physiological performance by temperature and salinity in the sugar kelp Saccharina latissima. Phycological Research, 2021, 69, 48-57.	0.8	16
3	Semi-Quantitative Targeted Gas Chromatography-Mass Spectrometry Profiling Supports a Late Side-Chain Reductase Cycloartenol-to-Cholesterol Biosynthesis Pathway in Brown Algae. Frontiers in Plant Science, 2021, 12, 648426.	1.7	5
4	To gel or not to gel: differential expression of carrageenan-related genes between the gametophyte and tetasporophyte life cycle stages of the red alga Chondrus crispus. Scientific Reports, 2020, 10, 11498.	1.6	24
5	Inferring Biochemical Reactions and Metabolite Structures to Understand Metabolic Pathway Drift. IScience, 2020, 23, 100849.	1.9	15
6	The genome of Ectocarpus subulatus â€“ A highly stress-tolerant brown alga. Marine Genomics, 2020, 52, 100740.	0.4	26
7	Is geographical variation driving the transcriptomic responses to multiple stressors in the kelp Saccharina latissima?. BMC Plant Biology, 2019, 19, 513.	1.6	14
8	Gracilaria tenuistipitata (Rhodophyta) tolerance to cadmium and copper exposure observed through gene expression and photosynthesis analyses. Journal of Applied Phycology, 2018, 30, 2129-2141.	1.5	12
9	Evolution and expression of core SWI / SNF genes in red algae. Journal of Phycology, 2018, 54, 879-887.	1.0	4
10	Transitions between marine and freshwater environments provide new clues about the origins of multicellular plants and algae. Journal of Phycology, 2017, 53, 731-745.	1.0	54
11	Insights into the red algae and eukaryotic evolution from the genome of Porphyra umbilicalis (Bangiophyceae, Rhodophyta). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6361-E6370.	3.3	233
12	Mutant swarms of a totivirusâ€like entities are present in the red macroalga Chondrus crispus and have been partially transferred to the nuclear genome. Journal of Phycology, 2016, 52, 493-504.	1.0	14
13	The genome of the seagrass Zostera marina reveals angiosperm adaptation to the sea. Nature, 2016, 530, 331-335.	13.7	460
14	Win some, lose some: genome evolution in red algae. Journal of Phycology, 2015, 51, 621-623.	1.0	3
15	Chondrus crispus â€“ A Present and Historical Model Organism for Red Seaweeds. Advances in Botanical Research, 2014, 71, 53-89.	0.5	37
16	RT-qPCR Normalization Genes in the Red Alga Chondrus crispus. PLoS ONE, 2014, 9, e86574.	1.1	11
17	Genome structure and metabolic features in the red seaweed Chondrus crispus shed light on evolution of the Archaeplastida. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5247-5252.	3.3	307
18	Photosynthesis in Chondrus crispus: The contribution of energy spill-over in the regulation of excitonic flux. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 834-842.	0.5	35

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19	Evolution of Red Algal Plastid Genomes: Ancient Architectures, Introns, Horizontal Gene Transfer, and Taxonomic Utility of Plastid Markers. PLoS ONE, 2013, 8, e59001.	1.1	112
20	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	0.5	18
21	GENETIC POPULATION STRUCTURE AND MATING SYSTEM IN CHONDRUS CRISPUS (RHODOPHYTA)1. Journal of Phycology, 2011, 47, 440-450.	1.0	47
22	Chlorophyll-binding proteins revisited - a multigenic family of light-harvesting and stress proteins from a brown algal perspective. BMC Evolutionary Biology, 2010, 10, 365.	3.2	93
23	Diurnal oscillations of metabolite abundances and gene analysis provide new insights into central metabolic processes of the brown alga Ectocarpus siliculosus. New Phytologist, 2010, 188, 98-110.	3.5	82
24	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. Nature, 2010, 465, 617-621.	13.7	774
25	Porphyra: Complex Life Histories in a Harsh Environment: P. umbilicalis, an Intertidal Red Alga for Genomic Analysis. Cellular Origin and Life in Extreme Habitats, 2010, , 129-148.	0.3	21
26	Response of the transcriptome of the intertidal red seaweed Chondrus crispus to controlled and natural stresses. New Phytologist, 2007, 176, 45-55.	3.5	86
27	AN EXPRESSED SEQUENCE TAG ANALYSIS OF THALLUS AND REGENERATING PROTOPLASTS OF CHONDRUS CRISPUS (GIGARTINALES, RHODOPHYCEAE)1. Journal of Phycology, 2006, 42, 104-112.	1.0	50
28	NADPH oxidases in Eukaryotes: red algae provide new hints!. Current Genetics, 2006, 49, 190-204.	0.8	94
29	Expression profiling of Chondrus crispus (Rhodophyta) after exposure to methyl jasmonate. Journal of Experimental Botany, 2006, 57, 3869-3881.	2.4	55
30	IDENTIFICATION OF STRESS GENE TRANSCRIPTS IN LAMINARIA DIGITATA (PHAEOPHYCEAE) PROTOPLAST CULTURES BY EXPRESSED SEQUENCE TAG ANALYSIS1. Journal of Phycology, 2005, 41, 1227-1235.	1.0	86
31	SEASONALITY AND THERMAL ACCLIMATION OF REACTIVE OXYGEN METABOLISM IN FUCUS VESICULOSUS (PHAEOPHYCEAE). Journal of Phycology, 2001, 37, 474-481.	1.0	94
32	REACTIVE OXYGEN PRODUCTION AND DAMAGE IN INTERTIDAL FUCUS SPP. (PHAEOPHYCEAE). Journal of Phycology, 1999, 35, 54-61.	1.0	109
33	REACTIVE OXYGEN METABOLISM IN INTERTIDAL FUCUS SPP. (PHAEOPHYCEAE). Journal of Phycology, 1999, 35, 62-69.	1.0	89
34	IN VIVO MEASUREMENT OF ACTIVE OXYGEN PRODUCTION IN THE BROWN ALGA FUCUS EVANESCENS USING 2',7'-DICHLOROHYDROFLUORESCEIN DIACETATE1. Journal of Phycology, 1997, 33, 643-648.	1.0	60
35	Stress-induced production of volatile halogenated organic compounds inEucheuma denticulatum(Rhodophyta) caused by elevated pH and high light intensities. European Journal of Phycology, 1996, 31, 89-95.	0.9	99
36	Production, scavenging and toxicity of hydrogen peroxide in the green seaweedUlva rigida. European Journal of Phycology, 1996, 31, 265-271.	0.9	62

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37	Halocarbon production and in vivo brominating activity of Eucheuma denticulatum. Phytochemistry, 1996, 42, 1527-1530.	1.4	23
38	Photosynthetic production of hydrogen peroxide by Ulva rigida C. Ag. (Chlorophyta). Planta, 1995, 196, 225-230.	1.6	90
39	Destructive hydrogen peroxide production inEucheuma denticulatum(Rhodophyta) during stress caused by elevated pH, high light intensities and competition with other species. European Journal of Phycology, 1995, 30, 289-297.	0.9	36
40	The involvement of hydrogen peroxide in the production of volatile halogenated compounds by Meristiella gelidium. Phytochemistry, 1994, 36, 1197-1202.	1.4	88