Jackie L Collier

List of Publications by Year
in descending order

45 papers	3,378 citations	304743 22 h-index	243625 44 g-index
48 all docs	48 docs citations	48 times ranked	4352 citing authors

#	Article	IF	Citations
1	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. PLoS Biology, 2014, 12, e1001889.	5.6	885
2	Chlorosis induced by nutrient deprivation in Synechococcus sp. strain PCC 7942: not all bleaching is the same. Journal of Bacteriology, 1992, 174, 4718-4726.	2.2	280
3	Niche of harmful alga Aureococcus anophagefferens revealed through ecogenomics. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4352-4357.	7.1	256
4	Evolution of the Phycobiliproteins. Journal of Molecular Biology, 1995, 248, 79-96.	4.2	238
5	Expression of nifH Genes in Natural Microbial Assemblages in Lake George, New York, Detected by Reverse Transcriptase PCR. Applied and Environmental Microbiology, 2000, 66, 3119-3124.	3.1	235
6	Role of urea in microbial metabolism in aquatic systems: a biochemical and molecular review. Aquatic Microbial Ecology, 2010, 59, 67-88.	1.8	233
7	FLOW CYTOMETRY AND THE SINGLE CELL IN PHYCOLOGY. Journal of Phycology, 2000, 36, 628-644.	2.3	119
8	The marine cyanobacterium Synechococcus sp. WH7805 requires urease (urea amiohydrolase, EC 3.5.1.5) to utilize urea as a nitrogen source: molecular-genetic and biochemical analysis of the enzyme. Microbiology (United Kingdom), 1999, 145, 447-459.	1.8	118
9	The Responses of Cyanobacteria to Environmental Conditions: Light and Nutrients. , 1994, , 641-675.		98
10	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	19.0	97
11	Environmental effects on the light-harvesting complex of cyanobacteria. Journal of Bacteriology, 1993, 175, 575-582.	2.2	75
12	Changes in the cyanobacterial photosynthetic apparatus during acclimation to macronutrient deprivation. Photosynthesis Research, 1994, 42, 173-183.	2.9	71
13	Ocean urea fertilization for carbon credits poses high ecological risks. Marine Pollution Bulletin, 2008, 56, 1049-1056.	5.0	58
14	REVERSE TRANSCRIPTION PCR AMPLIFICATION OF CYANOBACTERIAL SYMBIONT 16S RRNA SEQUENCES FROM SINGLE NON-PHOTOSYNTHETIC EUKARYOTIC MARINE PLANKTONIC HOST CELLS1. Journal of Phycology, 2006, 42, 243-250.	2.3	50
15	Reconstruction and analysis of the genome-scale metabolic model of schizochytrium limacinum SR21 for docosahexaenoic acid production. BMC Genomics, 2015, 16, 799.	2.8	50
16	A calcium-binding, asparagine-linked oligosaccharide is involved in skeleton formation in the sea urchin embryo.. Journal of Cell Biology, 1989, 109, 1289-1299.	5.2	43
17	Novel uncultivated labyrinthulomycetes revealed by 18S rDNA sequences from seawater and sediment samples. Aquatic Microbial Ecology, 2010, 58, 215-228.	1.8	42
18	Phycoerythrin-containing picoplankton in the Southern California Bight. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2405-2422.	1.4	35

#	Article	IF	Citations
19	Diversity of ureaâ€degrading microorganisms in openâ€ocean and estuarine planktonic communities. Environmental Microbiology, 2009, 11, 3118-3131.	3.8	35
20	Quantitative Real-Time PCR Assay for QPX (Thraustochytriidae), a Parasite of the Hard Clam () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	3.1	33
21	Alteration of plankton communities and biogeochemical cycles by harmful Cochlodinium polykrikoides (Dinophyceae) blooms. Harmful Algae, 2014, 33, 41-54.	4.8	31
22	DIFFERENCES IN GROWTH AND PHYSIOLOGY OF MARINE SYNECHOCOCCUS (CYANOBACTERIA) ON NITRATE VERSUS AMMONIUM ARE NOT DETERMINED SOLELY BY NITROGEN SOURCE REDOX STATE¹. Journal of Phycology, 2012, 48, 106-116.	2.3	27
23	Picoplankton contribution to biogenic silica stocks and production rates in the Sargasso Sea. Global Biogeochemical Cycles, 2017, 31, 762-774.	4.9	27
24	Patterns and regulation of silicon accumulation in Synechococcus spp.. Journal of Phycology, 2017, 53, 746-761.	2.3	26
25	Silicon content of individual cells of Synechococcus from the North Atlantic Ocean. Marine Chemistry, 2016, 187, 16-24.	2.3	24
26	Molecular genetic variation within and among isolates of QPX (Thraustochytridae), a parasite of the hard clam Mercenaria mercenaria. Diseases of Aquatic Organisms, 2007, 77, 159-168.	1.0	23
27	Effects of temperature on hard clam (Mercenaria mercenaria) immunity and QPX (Quahog Parasite) Tj ETQq1 1 0.784314 rgBT /Overl 106, 314-321.	3.2	22
28	UREASE GENE SEQUENCES FROM ALGAE AND HETEROTROPHIC BACTERIA IN AXENIC AND NONAXENIC PHYTOPLANKTON CULTURES¹. Journal of Phycology, 2009, 45, 625-634.	2.3	20
29	Strength in numbers: Collaborative science for new experimental model systems. PLoS Biology, 2018, 16, e2006333.	5.6	15
30	The chemical form of silicon in marine Synechococcus. Marine Chemistry, 2018, 206, 44-51.	2.3	14
31	A New PCR-Based Method Shows That Blue Crabs (Callinectes sapidus (Rathbun)) Consume Winter Flounder (Pseudopleuronectes americanus (Walbaum)). PLoS ONE, 2014, 9, e85101.	2.5	13
32	Accidental ecosystem restoration? Assessing the estuary-wide impacts of a new ocean inlet created by Hurricane Sandy. Estuarine, Coastal and Shelf Science, 2019, 221, 132-146.	2.1	11
33	Possible impacts of zoosporic parasites in diseases of commercially important marine mollusc species: part II. Labyrinthulomycota. Botanica Marina, 2017, 60, .	1.2	10
34	Swimming, gliding, and rolling toward the mainstream: cell biology of marine protists. Molecular Biology of the Cell, 2019, 30, 1245-1248.	2.1	10
35	Erection of a New Genus and Species for the Pathogen of Hard Clams â€˜Quahog Parasite Unknownâ€™ (QPX): Mucochytrium quahogii gen. nov., sp. nov.. Protist, 2021, 172, 125793.	1.5	9
36	Disruption of a gene encoding a novel thioredoxin-like protein alters the cyanobacterial photosynthetic apparatus. Journal of Bacteriology, 1995, 177, 3269-3276.	2.2	8

#	Article	IF	Citations
37	Microbial Communities in Partially and Fully Treated Effluent of Three Nitrogen-Removing Biofilters. Journal of Sustainable Water in the Built Environment, 2020, 6, 04020010.	1.6	7
38	Keeping up with advances in qPCR pathogen detection: an example for QPX disease in hard clams. Diseases of Aquatic Organisms, 2022, 148, 127-144.	1.0	7
39	FLOW CYTOMETRY AND THE SINGLE COMPOUND IN PLANKTON ECOLOGY. Journal of Phycology, 2004, 40, 805-807.	2.3	6
40	THE STRUCTURE OF PHYCOBILISOMES IN MUTANTS OF Synechococcus sp. STRAIN PCC 7942 DEVOID OF SPECIFIC LINKER POLYPEPTIDES. Photochemistry and Photobiology, 1995, 61, 298-302.	2.5	4
41	Seasonality of QPX disease in the Raritan Bay (NY) wild hard clam (Mercenaria mercenaria) population. Aquaculture Research, 2017, 48, 1269-1278.	1.8	4
42	Transcriptomic Responses of Four Pelagophytes to Nutrient (N, P) and Light Stress. Frontiers in Marine Science, 2021, 8, .	2.5	3
43	Evaluation of different materials used for sealing of implant abutment access channel and the periâ€implant sulcus microbiota: A 6â€month, randomized controlled trial. Clinical Oral Implants Research, 2021, 32, 941-950.	4.5	3
44	Possible impacts of zoosporic parasites in diseases of commercially important marine mollusc species: part I. Perkinsozoa. Botanica Marina, 2017, 60, .	1.2	1
45	Nitrogen transformations and microbial characterization in passive nitrogen removing biofilters (NRBs) for onsite wastewater treatment. Proceedings of the Water Environment Federation, 2017, 2017, 898-906.	0.0	1