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	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
2	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
3	Transcriptomic Responses of Four Pelagophytes to Nutrient (N, P) and Light Stress. Frontiers in Marine Science, 2021, 8, .	2.5	3
4	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
5	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
6	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	19.0	97
7	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
8	Swimming, gliding, and rolling toward the mainstream: cell biology of marine protists. Molecular Biology of the Cell, 2019, 30, 1245-1248.	2.1	10
9	Strength in numbers: Collaborative science for new experimental model systems. PLoS Biology, 2018, 16, e2006333.	5.6	15
10	The chemical form of silicon in marine Synechococcus. Marine Chemistry, 2018, 206, 44-51.	2.3	14
11	Seasonality of QPX disease in the Raritan Bay (NY) wild hard clam (Mercenaria mercenaria) population. Aquaculture Research, 2017, 48, 1269-1278.	1.8	4
12	Possible impacts of zoosporic parasites in diseases of commercially important marine mollusc species: part I. Perkinsozoa. Botanica Marina, 2017, 60, .	1.2	1
13	Possible impacts of zoosporic parasites in diseases of commercially important marine mollusc species: part II. Labyrinthulomycota. Botanica Marina, 2017, 60, .	1.2	10
14	Picoplankton contribution to biogenic silica stocks and production rates in the Sargasso Sea. Global Biogeochemical Cycles, 2017, 31, 762-774.	4.9	27
15	Patterns and regulation of silicon accumulation in Synechococcus spp.. Journal of Phycology, 2017, 53, 746-761.	2.3	26
16	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
17	Silicon content of individual cells of Synechococcus from the North Atlantic Ocean. Marine Chemistry, 2016, 187, 16-24.	2.3	24
18	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

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19	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
20	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
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	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
24	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
25	Role of urea in microbial metabolism in aquatic systems: a biochemical and molecular review. Aquatic Microbial Ecology, 2010, 59, 67-88.	1.8	233
26	Novel uncultivated labyrinthulomycetes revealed by 18S rDNA sequences from seawater and sediment samples. Aquatic Microbial Ecology, 2010, 58, 215-228.	1.8	42
27	Quantitative Real-Time PCR Assay for QPX (Thraustochytriidae), a Parasite of the Hard Clam () Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.1	33
28	Diversity of ureaâ€degrading microorganisms in openâ€ocean and estuarine planktonic communities. Environmental Microbiology, 2009, 11, 3118-3131.	3.8	35
29	UREASE GENE SEQUENCES FROM ALGAE AND HETEROTROPHIC BACTERIA IN AXENIC AND NONAXENIC PHYTOPLANKTON CULTURES¹. Journal of Phycology, 2009, 45, 625-634.	2.3	20
30	Ocean urea fertilization for carbon credits poses high ecological risks. Marine Pollution Bulletin, 2008, 56, 1049-1056.	5.0	58
31	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
32	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
33	FLOW CYTOMETRY AND THE SINGLE COMPOUND IN PLANKTON ECOLOGY. Journal of Phycology, 2004, 40, 805-807.	2.3	6
34	Phycoerythrin-containing picoplankton in the Southern California Bight. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2405-2422.	1.4	35
35	FLOW CYTOMETRY AND THE SINGLE CELL IN PHYCOLOGY. Journal of Phycology, 2000, 36, 628-644.	2.3	119
36	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

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37	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
38	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
39	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
40	Evolution of the Phycobiliproteins. Journal of Molecular Biology, 1995, 248, 79-96.	4.2	238
41	Changes in the cyanobacterial photosynthetic apparatus during acclimation to macronutrient deprivation. Photosynthesis Research, 1994, 42, 173-183.	2.9	71
42	The Responses of Cyanobacteria to Environmental Conditions: Light and Nutrients. , 1994, , 641-675.		98
43	Environmental effects on the light-harvesting complex of cyanobacteria. Journal of Bacteriology, 1993, 175, 575-582.	2.2	75
44	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
45	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