John H Paul

List of Publications by Year
in descending order

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76 papers	5,117 citations	101543 36 h-index	95266 68 g-index
76 all docs	76 docs citations	76 times ranked	4710 citing authors

#	Article	IF	Citations
1	Genomes of ubiquitous marine and hypersaline Hydrogenovibrio, Thiomicrorhabdus and Thiomicrospira spp. encode a diversity of mechanisms to sustain chemolithoautotrophy in heterogeneous environments. Environmental Microbiology, 2018, 20, 2686-2708.	3.8	32
2	Membrane vesicles in sea water: heterogeneous DNA content and implications for viral abundance estimates. ISME Journal, 2017, 11, 394-404.	9.8	96
3	Growth and biochemical responses of Skeletonema costatum to petroleum contamination. Journal of Applied Phycology, 2016, 28, 3317-3329.	2.8	2
4	Patterns of Transcript Abundance of Eukaryotic Biogeochemically-Relevant Genes in the Amazon River Plume. PLoS ONE, 2016, 11, e0160929.	2.5	17
5	A handheld sensor assay for the identification of grouper as a safeguard against seafood mislabeling fraud. Food Control, 2015, 53, 81-90.	5.5	23
6	Using dispersants after oil spills: impacts on the composition and activity of microbial communities. Nature Reviews Microbiology, 2015, 13, 388-396.	28.6	247
7	Comparative metagenomics: natural populations of induced prophages demonstrate highly unique, lower diversity viral sequences. Environmental Microbiology, 2014, 16, 570-585.	3.8	50
8	Microspatial gene expression patterns in the Amazon River Plume. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11085-11090.	7.1	128
9	The Amazon continuum dataset: quantitative metagenomic and metatranscriptomic inventories of the Amazon River plume, June 2010. Microbiome, 2014, 2, 17.	11.1	54
10	Ensuring seafood identity: Grouper identification by real-time nucleic acid sequence-based amplification (RT-NASBA). Food Control, 2013, 31, 337-344.	5.5	8
11	Toxicity and Mutagenicity of Gulf of Mexico Waters During and After the Deepwater Horizon Oil Spill. Environmental Science & Technology, 2013, 47, 9651-9659.	10.0	83
12	A day in the life in the dynamic marine environment: how nutrients shape diel patterns of phytoplankton photosynthesis and carbon fixation gene expression in the Mississippi and Orinoco River plumes. Hydrobiologia, 2012, 679, 155-173.	2.0	19
13	Environmental Factors Influencing Gene Transfer Agent (GTA) Mediated Transduction in the Subtropical Ocean. PLoS ONE, 2012, 7, e43506.	2.5	30
14	Detection of the toxic marine diatom Pseudo-nitzschia multiseries using the RuBisCO small subunit (rbcS) gene in two real-time RNA amplification formats. Harmful Algae, 2011, 11, 54-64.	4.8	27
15	High Frequency of Horizontal Gene Transfer in the Oceans. Science, 2010, 330, 50-50.	12.6	339
16	Functional Prokaryotic RubisCO from an Oceanic Metagenomic Library. Applied and Environmental Microbiology, 2010, 76, 2997-3003.	3.1	19
17	Detection and quantification of Karenia mikimotoi using real-time nucleic acid sequence-based amplification with internal control RNA (IC-NASBA). Harmful Algae, 2010, 9, 116-122.	4.8	38
18	Comparison of lysogeny (prophage induction) in heterotrophic bacterial and Synechococcus populations in the Gulf of Mexico and Mississippi river plume. ISME Journal, 2008, 2, 132-144.	9.8	33

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19	Prophages in marine bacteria: dangerous molecular time bombs or the key to survival in the seas?. ISME Journal, 2008, 2, 579-589.	9.8	400
20	The Temperate Marine Phage Î¦HAP-1 of Halomonas aquamarina Possesses a Linear Plasmid-Like Prophage Genome. Journal of Virology, 2008, 82, 6618-6630.	3.4	56
21	Metagenomic Analysis of Lysogeny in Tampa Bay: Implications for Prophage Gene Expression. PLoS ONE, 2008, 3, e3263.	2.5	58
22	A handheld NASBA analyzer for the field detection and quantification of Karenia brevis. Harmful Algae, 2007, 6, 112-118.	4.8	40
23	Phytoplankton carbon fixation gene (RuBisCO) transcripts and air-sea CO2 flux in the Mississippi River plume. ISME Journal, 2007, 1, 517-531.	9.8	39
24	Phytoplankton-Group Specific Quantitative Polymerase Chain Reaction Assays for RuBisCO mRNA Transcripts in Seawater. Marine Biotechnology, 2007, 9, 747-759.	2.4	38
25	Temperate and lytic cyanophages from the Gulf of Mexico. Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 517-527.	0.8	56
26	Development and Applications of Microbial Ecogenomic Indicators for Monitoring Water Quality: Report of a Workshop Assessing the State of the Science, Research Needs and Future Directions. Environmental Monitoring and Assessment, 2006, 116, 459-479.	2.7	17
27	The Genome of Deep-Sea Vent Chemolithoautotroph Thiomicrospira crunogena XCL-2. PLoS Biology, 2006, 4, e383.	5.6	144
28	Marine phage genomics: what have we learned?. Current Opinion in Biotechnology, 2005, 16, 299-307.	6.6	97
29	Development and evaluation of a method to detect and quantify enteroviruses using NASBA and internal control RNA (IC-NASBA). Journal of Virological Methods, 2005, 124, 149-155.	2.1	18
30	Complete Genome Sequence of Ï†HSIC, a Pseudotemperate Marine Phage of Listonella pelagia. Applied and Environmental Microbiology, 2005, 71, 3311-3320.	3.1	36
31	Increased precision of microbial RNA quantification using NASBA with an internal control. Journal of Microbiological Methods, 2005, 60, 343-352.	1.6	33
32	Detection and Quantification of the Red Tide Dinoflagellate Karenia brevis by Real-Time Nucleic Acid Sequence-Based Amplification. Applied and Environmental Microbiology, 2004, 70, 4727-4732.	3.1	64
33	Geochemical Rate-RNA Integration Study: Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Gene Transcription and Photosynthetic Capacity of Planktonic Photoautotrophs. Applied and Environmental Microbiology, 2004, 70, 5459-5468.	3.1	39
34	Pathogenic Human Viruses in Coastal Waters. Clinical Microbiology Reviews, 2003, 16, 129-143.	13.6	233
35	Marine phage genomics. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 463-476.	1.6	85
36	Lysogeny and transduction. Methods in Microbiology, 2001, , 105-125.	0.8	25

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37	Gene expression by mRNA analysis. Methods in Microbiology, 2001, 30, 395-408.	0.8	1
38	Rapid Movement of Wastewater from On-Site Disposal Systems into Surface Waters in the Lower Florida Keys. Estuaries and Coasts, 2000, 23, 662.	1.7	56
39	Ecology of Bacteriophages in Nature. , 2000, , 211-246.		17
40	Diel Patterns of Regulation of rbcL Transcription in a Cyanobacterium and a Prymnesiophyte. Marine Biotechnology, 2000, 2, 429-436.	2.4	25
41	Detection of Viral Pathogens by Reverse Transcriptase PCR and of Microbial Indicators by Standard Methods in the Canals of the Florida Keys. Applied and Environmental Microbiology, 1999, 65, 4118-4125.	3.1	171
42	Evidence for a cladeâ€specific temporal and spatial separation in ribulose bisphosphate carboxylase gene expression in phytoplankton populations off Cape Hatteras and Bermuda. Limnology and Oceanography, 1999, 44, 12-23.	3.1	32
43	Gene Transfer by Transduction in the Marine Environment. Applied and Environmental Microbiology, 1998, 64, 2780-2787.	3.1	247
44	Characterization of Marine Temperate Phage-Host Systems Isolated from Mamala Bay, Oahu, Hawaii. Applied and Environmental Microbiology, 1998, 64, 535-542.	3.1	76
45	Seasonal Abundance of Lysogenic Bacteria in a Subtropical Estuary. Applied and Environmental Microbiology, 1998, 64, 2308-2312.	3.1	115
46	Evidence for groundwater and surface marine water contamination by waste disposal wells in the Florida keys. Water Research, 1997, 31, 1448-1454.	11.3	89
47	Viruses and DNA in Marine Environments. , 1996, , 115-124.		3
48	Natural transformation in aquatic environments. , 1995, , 395-416.		1
49	Plasmid transfer to indigenous marine bacterial populations by natural transformation. FEMS Microbiology Ecology, 1994, 15, 127-135.	2.7	43
50	The distribution of dissolved DNA in an oligotrophic and a eutrophic river of Southwest Florida. Hydrobiologia, 1991, 218, 53-63.	2.0	11
51	Gene Transfer in Marine Water Column and Sediment Microcosms by Natural Plasmid Transformation. Applied and Environmental Microbiology, 1991, 57, 1509-1515.	3.1	95
52	Detection of Gene Expression in Genetically Engineered Microorganisms and Natural Phytoplankton Populations in the Marine Environment by mRNA Analysis. Applied and Environmental Microbiology, 1991, 57, 1721-1727.	3.1	80
53	Correlation of nonspecific macromolecular labeling with environmental parameters during [3H]Thymidine incorporation in the waters of southwest florida. Microbial Ecology, 1990, 20, 21-35.	2.8	9
54	Natural transformation of a marineVibrio species by plasmid DNA. Microbial Ecology, 1990, 19, 259-268.	2.8	39

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55	Detection of exogenous gene sequences in dissolved DNA from aquatic environments. Microbial Ecology, 1989, 18, 21-28.	2.8	38
56	Enumeration and sizing of aquatic bacteria by use of a silicon-intensified target camera linked-image analysis system. Journal of Microbiological Methods, 1989, 9, 257-266.	1.6	13
57	Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir. Applied and Environmental Microbiology, 1989, 55, 2798-2801.	3.1	9
58	Turnover of Extracellular DNA in Eutrophic and Oligotrophic Freshwater Environments of Southwest Florida. Applied and Environmental Microbiology, 1989, 55, 1823-1828.	3.1	87
59	Underestimation of DNA Synthesis by [³ H]Thymidine Incorporation in Marine Bacteria. Applied and Environmental Microbiology, 1988, 54, 3165-3168.	3.1	30
60	Effect of 5-Fluoro-2â€²-Deoxyuridine on [³ H]Thymidine Incorporation by Bacterioplankton in the Waters of Southwest Florida. Applied and Environmental Microbiology, 1988, 54, 331-336.	3.1	18
61	Seasonal and Diel Variability in Dissolved DNA and in Microbial Biomass and Activity in a Subtropical Estuary. Applied and Environmental Microbiology, 1988, 54, 718-727.	3.1	65
62	Mechanisms of DNA Utilization by Estuarine Microbial Populations. Applied and Environmental Microbiology, 1988, 54, 1682-1688.	3.1	42
63	Hoechst 33258 staining of DNA in agarose gel electrophoresis. Journal of Microbiological Methods, 1986, 5, 265-270.	1.6	11
64	Activity of an Attached and Free-Living Vibrio sp. as Measured by Thymidine Incorporation, p -Iodonitrotetrazolium Reduction, and ATP/DNA Ratios. Applied and Environmental Microbiology, 1986, 51, 150-156.	3.1	64
65	Activity Measurements of Planktonic Microbial and Microfouling Communities in a Eutrophic Estuary. Applied and Environmental Microbiology, 1986, 51, 157-162.	3.1	41
66	Simplified Method for Dissolved DNA Determination in Aquatic Environments. Applied and Environmental Microbiology, 1986, 52, 654-659.	3.1	142
67	The effect of surfactants on the attachment of estuarine and marine bacteria to surfaces. Canadian Journal of Microbiology, 1985, 31, 224-228.	1.7	46
68	Evidence for Separate Adhesion Mechanisms for Hydrophilic and Hydrophobic Surfaces in Vibrio proteolytica. Applied and Environmental Microbiology, 1985, 50, 431-437.	3.1	141
69	Measurement of diameters of estuarine bacteria and particulates in natural water samples by use of a submicron particle analyzer. Current Microbiology, 1984, 10, 7-11.	2.2	10
70	Genetic material in the marine environment: Implication for bacterial DNA. Limnology and Oceanography, 1984, 29, 1091-1096.	3.1	62
71	UPTAKE OF ORGANIC NITROGEN. , 1983, , 275-308.		18
72	Improved Microfouling Assay Employing a DNA-Specific Fluorochrome and Polystyrene as Substratum. Applied and Environmental Microbiology, 1983, 46, 338-343.	3.1	29

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73	Use of Hoechst Dyes 33258 and 33342 for Enumeration of Attached and Planktonic Bacteria. Applied and Environmental Microbiology, 1982, 43, 939-944.	3.1	172
74	Fluorometric Determination of DNA in Aquatic Microorganisms by Use of Hoechst 33258. Applied and Environmental Microbiology, 1982, 43, 1393-1399.	3.1	197
75	Regulation of Asparaginase, Glutamine Synthetase, and Glutamate Dehydrogenase in Response to Medium Nitrogen Concentrations in a Euryhaline Chlamydomonas Species. Plant Physiology, 1981, 68, 1364-1368.	4.8	24
76	Asparagine metabolism and asparaginase activity in a euryhaline Chlamydomonas species. Canadian Journal of Microbiology, 1979, 25, 1443-1451.	1.7	25