John H Paul

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	High Frequency of Horizontal Gene Transfer in the Oceans. Science, 2010, 330, 50-50.	12.6	339
3	Gene Transfer by Transduction in the Marine Environment. Applied and Environmental Microbiology, 1998, 64, 2780-2787.	3.1	247
4	Using dispersants after oil spills: impacts on the composition and activity of microbial communities. Nature Reviews Microbiology, 2015, 13, 388-396.	28.6	247
5	Pathogenic Human Viruses in Coastal Waters. Clinical Microbiology Reviews, 2003, 16, 129-143.	13.6	233
6	Fluorometric Determination of DNA in Aquatic Microorganisms by Use of Hoechst 33258. Applied and Environmental Microbiology, 1982, 43, 1393-1399.	3.1	197
7	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
8	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
9	The Genome of Deep-Sea Vent Chemolithoautotroph Thiomicrospira crunogena XCL-2. PLoS Biology, 2006, 4, e383.	5.6	144
10	Simplified Method for Dissolved DNA Determination in Aquatic Environments. Applied and Environmental Microbiology, 1986, 52, 654-659.	3.1	142
11	Evidence for Separate Adhesion Mechanisms for Hydrophilic and Hydrophobic Surfaces in Vibrio proteolytica. Applied and Environmental Microbiology, 1985, 50, 431-437.	3.1	141
12	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
13	Seasonal Abundance of Lysogenic Bacteria in a Subtropical Estuary. Applied and Environmental Microbiology, 1998, 64, 2308-2312.	3.1	115
14	Marine phage genomics: what have we learned?. Current Opinion in Biotechnology, 2005, 16, 299-307.	6.6	97
15	Membrane vesicles in sea water: heterogeneous DNA content and implications for viral abundance estimates. ISME Journal, 2017, 11, 394-404.	9.8	96
16	Gene Transfer in Marine Water Column and Sediment Microcosms by Natural Plasmid Transformation. Applied and Environmental Microbiology, 1991, 57, 1509-1515.	3.1	95
17	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
18	Turnover of Extracellular DNA in Eutrophic and Oligotrophic Freshwater Environments of Southwest Florida. Applied and Environmental Microbiology, 1989, 55, 1823-1828.	3.1	87

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19	Marine phage genomics. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 463-476.	1.6	85
20	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
21	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
22	Characterization of Marine Temperate Phage-Host Systems Isolated from Mamala Bay, Oahu, Hawaii. Applied and Environmental Microbiology, 1998, 64, 535-542.	3.1	76
23	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
24	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
25	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
26	Genetic material in the marine environment: Implication for bacterial DNA. Limnology and Oceanography, 1984, 29, 1091-1096.	3.1	62
27	Metagenomic Analysis of Lysogeny in Tampa Bay: Implications for Prophage Gene Expression. PLoS ONE, 2008, 3, e3263.	2.5	58
28	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
29	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
30	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
31	The Amazon continuum dataset: quantitative metagenomic and metatranscriptomic inventories of the Amazon River plume, June 2010. Microbiome, 2014, 2, 17.	11.1	54
32	Comparative metagenomics: natural populations of induced prophages demonstrate highly unique, lower diversity viral sequences. Environmental Microbiology, 2014, 16, 570-585.	3.8	50
33	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
34	Plasmid transfer to indigenous marine bacterial populations by natural transformation. FEMS Microbiology Ecology, 1994, 15, 127-135.	2.7	43
35	Mechanisms of DNA Utilization by Estuarine Microbial Populations. Applied and Environmental Microbiology, 1988, 54, 1682-1688.	3.1	42
36	Activity Measurements of Planktonic Microbial and Microfouling Communities in a Eutrophic Estuary. Applied and Environmental Microbiology, 1986, 51, 157-162.	3.1	41

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37	A handheld NASBA analyzer for the field detection and quantification of Karenia brevis. Harmful Algae, 2007, 6, 112-118.	4.8	40
38	Natural transformation of a marineVibrio species by plasmid DNA. Microbial Ecology, 1990, 19, 259-268.	2.8	39
39	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
40	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
41	Detection of exogenous gene sequences in dissolved DNA from aquatic environments. Microbial Ecology, 1989, 18, 21-28.	2.8	38
42	Phytoplankton-Group Specific Quantitative Polymerase Chain Reaction Assays for RuBisCO mRNA Transcripts in Seawater. Marine Biotechnology, 2007, 9, 747-759.	2.4	38
43	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
44	Complete Genome Sequence of ÏŧHSIC, a Pseudotemperate Marine Phage of Listonella pelagia. Applied and Environmental Microbiology, 2005, 71, 3311-3320.	3.1	36
45	Increased precision of microbial RNA quantification using NASBA with an internal control. Journal of Microbiological Methods, 2005, 60, 343-352.	1.6	33
46	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
47	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
48	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
49	Underestimation of DNA Synthesis by [³ H]Thymidine Incorporation in Marine Bacteria. Applied and Environmental Microbiology, 1988, 54, 3165-3168.	3.1	30
50	Environmental Factors Influencing Gene Transfer Agent (GTA) Mediated Transduction in the Subtropical Ocean. PLoS ONE, 2012, 7, e43506.	2.5	30
51	Improved Microfouling Assay Employing a DNA-Specific Fluorochrome and Polystyrene as Substratum. Applied and Environmental Microbiology, 1983, 46, 338-343.	3.1	29
52	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
53	Asparagine metabolism and asparaginase activity in a euryhaline Chlamydomonas species. Canadian Journal of Microbiology, 1979, 25, 1443-1451.	1.7	25
54	Diel Patterns of Regulation of rbcL Transcription in a Cyanobacterium and a Prymnesiophyte. Marine Biotechnology, 2000, 2, 429-436.	2.4	25

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55	Lysogeny and transduction. Methods in Microbiology, 2001, , 105-125.	0.8	25
56	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
57	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
58	Functional Prokaryotic RubisCO from an Oceanic Metagenomic Library. Applied and Environmental Microbiology, 2010, 76, 2997-3003.	3.1	19
59	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
60	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
61	UPTAKE OF ORGANIC NITROGEN. , 1983, , 275-308.		18
62	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
63	Ecology of Bacteriophages in Nature. , 2000, , 211-246.		17
64	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
65	Patterns of Transcript Abundance of Eukaryotic Biogeochemically-Relevant Genes in the Amazon River Plume. PLoS ONE, 2016, 11, e0160929.	2.5	17
66	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
67	Hoechst 33258 staining of DNA in agarose gel electrophoresis. Journal of Microbiological Methods, 1986, 5, 265-270.	1.6	11
68	The distribution of dissolved DNA in an oligotrophic and a eutrophic river of Southwest Florida. Hydrobiologia, 1991, 218, 53-63.	2.0	11
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	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
71	Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir. Applied and Environmental Microbiology, 1989, 55, 2798-2801.	3.1	9
72	Ensuring seafood identity: Grouper identification by real-time nucleic acid sequence-based amplification (RT-NASBA). Food Control, 2013, 31, 337-344.	5.5	8

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73	Viruses and DNA in Marine Environments. , 1996, , 115-124.		3
74	Growth and biochemical responses of Skeletonema costatum to petroleum contamination. Journal of Applied Phycology, 2016, 28, 3317-3329.	2.8	2
75	Gene expression by mRNA analysis. Methods in Microbiology, 2001, 30, 395-408.	0.8	1
76	Natural transformation in aquatic environments. , 1995, , 395-416.		1