

James L Pinckney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5294472/publications.pdf>

Version: 2024-02-01

97
papers

6,196
citations

66343

42
h-index

69250

77
g-index

97
all docs

97
docs citations

97
times ranked

6036
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of microbes in accretion, lamination and early lithification of modern marine stromatolites. <i>Nature</i> , 2000, 406, 989-992.	27.8	689
2	Ecosystem responses to internal and watershed organic matter loading: consequences for hypoxia in the eutrophying Neuse River Estuary, North Carolina, USA. <i>Marine Ecology - Progress Series</i> , 1998, 166, 17-25.	1.9	447
3	A mini-review of microbial consortia: Their roles in aquatic production and biogeochemical cycling. <i>Microbial Ecology</i> , 1996, 31, 225-47.	2.8	389
4	Perennial Antarctic Lake Ice: An Oasis for Life in a Polar Desert. <i>Science</i> , 1998, 280, 2095-2098.	12.6	358
5	Cyanobacterial-bacterial mat consortia: examining the functional unit of microbial survival and growth in extreme environments. <i>Environmental Microbiology</i> , 2000, 2, 11-26.	3.8	253
6	Microbial indicators of aquatic ecosystem change: current applications to eutrophication studies. <i>FEMS Microbiology Ecology</i> , 2003, 46, 233-246.	2.7	201
7	Phytoplankton Photopigments as Indicators of Estuarine and Coastal Eutrophication. <i>BioScience</i> , 2003, 53, 953.	4.9	166
8	Effects of tidal stage and sun angles on intertidal benthic microalgal productivity. <i>Marine Ecology - Progress Series</i> , 1991, 76, 81-89.	1.9	150
9	Biomass and Production of Benthic Microalgal Communities in Estuarine Habitats. <i>Estuaries and Coasts</i> , 1993, 16, 887.	1.7	145
10	MODELING THE ANNUAL PRODUCTION OF INTERTIDAL BENTHIC MICROALGAE IN ESTUARINE ECOSYSTEMS ¹ . <i>Journal of Phycology</i> , 1993, 29, 396-407.	2.3	121
11	Estimating the spatial extent of bottom-water hypoxia and habitat degradation in a shallow estuary. <i>Marine Ecology - Progress Series</i> , 2002, 230, 103-112.	1.9	115
12	Flow scintillation counting of ¹⁴ C-labeled microalgal photosynthetic pigments. <i>Journal of Plankton Research</i> , 1996, 18, 1867-1880.	1.8	112
13	Modelling Oxygen Dynamics in an Intermittently Stratified Estuary: Estimation of Process Rates Using Field Data. <i>Estuarine, Coastal and Shelf Science</i> , 2001, 52, 33-49.	2.1	107
14	Impacts of seasonality and nutrients on microbial mat community structure and function. <i>Marine Ecology - Progress Series</i> , 1995, 123, 207-216.	1.9	103
15	RESPONSES OF THE PHYTOPLANKTON COMMUNITY GROWTH RATE TO NUTRIENT PULSES IN VARIABLE ESTUARINE ENVIRONMENTS. <i>Journal of Phycology</i> , 1999, 35, 1455-1463.	2.3	93
16	Spectral fluorometric characterization of phytoplankton community composition using the Algae Online Analyser [®] . <i>Water Research</i> , 2010, 44, 2461-2472.	11.3	93
17	Long-term temporal and spatial trends in phytoplankton biomass and class-level taxonomic composition in the hydrologically variable Neuse-Pamlico estuarine continuum, North Carolina, U.S.A.. <i>Limnology and Oceanography</i> , 2006, 51, 1410-1420.	3.1	91
18	Application of photopigment biomarkers for quantifying microalgal community composition and in situ growth rates. <i>Organic Geochemistry</i> , 2001, 32, 585-595.	1.8	86

#	ARTICLE	IF	CITATIONS
19	Spatial autocorrelation analysis of meiofaunal and microalgal populations on an intertidal sandflat: Scale linkage between consumers and resources. <i>Estuarine, Coastal and Shelf Science</i> , 1990, 30, 341-353.	2.1	84
20	Effects of nutrient enrichment on <i>Prymnesium parvum</i> population dynamics and toxicity: results from field experiments, Lake Possum Kingdom, USA. <i>Aquatic Microbial Ecology</i> , 2007, 46, 125-140.	1.8	83
21	Environmental controls of phytoplankton bloom dynamics in the Neuse River Estuary, North Carolina, U.S.A.. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 2491-2501.	1.4	82
22	Rainfall stimulation of primary production in western Atlantic Ocean waters: roles of different nitrogen sources and co-limiting nutrients. <i>Marine Ecology - Progress Series</i> , 1999, 176, 205-214.	1.9	76
23	Comparison of high-performance liquid chromatographic, spectrophotometric, and fluorometric methods for determining chlorophyll a concentrations in estuarine sediments. <i>Journal of Microbiological Methods</i> , 1994, 19, 59-66.	1.6	75
24	Toxic effect of the combined antibiotics ciprofloxacin, lincomycin, and tylosin on two species of marine diatoms. <i>Water Research</i> , 2012, 46, 5028-5036.	11.3	75
25	Microalgal-meiofaunal trophic relationships in muddy intertidal estuarine sediments. <i>Aquatic Microbial Ecology</i> , 2003, 31, 99-108.	1.8	73
26	Microalgae on seagrass mimics: Does epiphyte community structure differ from live seagrasses?. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 221, 59-70.	1.5	70
27	COMBINING NEW TECHNOLOGIES FOR DETERMINATION OF PHYTOPLANKTON COMMUNITY STRUCTURE IN THE NORTHERN GULF OF MEXICO 1. <i>Journal of Phycology</i> , 2005, 41, 305-310.	2.3	69
28	Seasonal niche strategy of the bloom-forming dinoflagellate <i>Heterocapsa triquetra</i> . <i>Marine Ecology - Progress Series</i> , 2002, 232, 45-62.	1.9	64
29	Salinity control of benthic microbial mat community production in a Bahamian hypersaline lagoon. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 187, 223-237.	1.5	62
30	Phytoplankton community growth-rate response to nutrient pulses in a shallow turbid estuary, Galveston Bay, Texas. <i>Journal of Plankton Research</i> , 2004, 26, 325-339.	1.8	62
31	Sublethal Effects of Crude Oil on the Community Structure of Estuarine Phytoplankton. <i>Estuaries and Coasts</i> , 2012, 35, 853-861.	2.2	62
32	SHORT-TERM CHANGES IN THE VERTICAL DISTRIBUTION OF BENTHIC MICROALGAL BIOMASS IN INTERTIDAL MUDDY SEDIMENTS. <i>Diatom Research</i> , 1994, 9, 143-153.	1.2	60
33	Towards an Understanding of the Interactions between Freshwater Inflows and Phytoplankton Communities in a Subtropical Estuary in the Gulf of Mexico. <i>PLoS ONE</i> , 2015, 10, e0130931.	2.5	60
34	Photophysiological responses of intertidal benthic microalgal communities to in situ light environments: Methodological considerations. <i>Limnology and Oceanography</i> , 1993, 38, 1373-1383.	3.1	54
35	Nutrient pulsing as a regulator of phytoplankton abundance and community composition in Galveston Bay, Texas. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 303, 197-220.	1.5	54
36	Hydraulic flushing as a <i>Prymnesium parvum</i> bloom-terminating mechanism in a subtropical lake. <i>Harmful Algae</i> , 2010, 9, 323-332.	4.8	53

#	ARTICLE	IF	CITATIONS
37	Stimulation of Diesel Fuel Biodegradation by Indigenous Nitrogen Fixing Bacterial Consortia. <i>Microbial Ecology</i> , 1999, 38, 69-78.	2.8	51
38	Comparative evaluation of sediment trap and ²³⁴ Th-derived POC fluxes from the upper oligotrophic waters of the Gulf of Mexico and the subtropical northwestern Pacific Ocean. <i>Marine Chemistry</i> , 2010, 121, 132-144.	2.3	51
39	QUANTIFICATION OF THE RELATIVE ABUNDANCE OF THE TOXIC DINOFLAGELLATE, <i>KARENIA BREVIS</i> (DINOPHYTA), USING UNIQUE PHOTOPIGMENTS ¹ . <i>Journal of Phycology</i> , 2003, 39, 449-457.	2.3	50
40	The influence of nitrogen and phosphorus on phytoplankton growth and assemblage composition in four coastal, southeastern USA systems. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 177, 71-82.	2.1	47
41	Tidally induced estuarine phytoplankton patchiness. <i>Limnology and Oceanography</i> , 1989, 34, 410-419.	3.1	45
42	Characterizing man-made and natural modifications of microbial diversity and activity in coastal ecosystems. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 487-507.	1.7	43
43	Estimation of cyanobacterial pigments in a freshwater lake using OCM satellite data. <i>Remote Sensing of Environment</i> , 2011, 115, 3409-3423.	11.0	43
44	Clarification of the structural and functional roles of heterocysts and anoxic microzones in the control of pelagic nitrogen fixation. <i>Limnology and Oceanography</i> , 1995, 40, 634-638.	3.1	40
45	Biosedimentology of Microbial Buildups IGCP Project No. 380 Proceedings of 2nd Meeting, Göttingen/Germany 1996. <i>Facies</i> , 1997, 36, 195-284.	1.4	40
46	Controls of ²³⁴ Th removal from the oligotrophic ocean by polyuronic acids and modification by microbial activity. <i>Marine Chemistry</i> , 2011, 123, 111-126.	2.3	38
47	Effect of imbalanced nutrients and immigration on <i>Prymnesium parvum</i> community dominance and toxicity: results from in-lake microcosm experiments. <i>Aquatic Microbial Ecology</i> , 2008, 52, 33-44.	1.8	38
48	Production and flux of carbohydrate species in the Gulf of Mexico. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	4.9	34
49	Ecophysiology of stromatolitic microbial mats, Stocking Island, exuma cays, Bahamas. <i>Microbial Ecology</i> , 1995, 29, 19-37.	2.8	32
50	Title is missing!. <i>Aquatic Ecology</i> , 2002, 36, 371-385.	1.5	32
51	A Mini-Review of the Contribution of Benthic Microalgae to the Ecology of the Continental Shelf in the South Atlantic Bight. <i>Estuaries and Coasts</i> , 2018, 41, 2070-2078.	2.2	32
52	Sublethal effects of the antibiotic tylosin on estuarine benthic microalgal communities. <i>Marine Pollution Bulletin</i> , 2013, 68, 8-12.	5.0	31
53	Phytoplankton community structure and depth distribution changes in the Cariaco Basin between 1996 and 2010. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 101, 27-37.	1.4	31
54	<i>Prymnesium parvum</i> Population Dynamics During Bloom Development: A Role Assessment of Grazers and Virus ¹ . <i>Journal of the American Water Resources Association</i> , 2010, 46, 63-75.	2.4	30

#	ARTICLE	IF	CITATIONS
55	Factors Influencing <i>Prymnesium parvum</i> Population Dynamics During Bloom Initiation: Results from In-lake Mesocosm Experiments. Journal of the American Water Resources Association, 2010, 46, 76-91.	2.4	29
56	The Role of Nutrient Loading and Eutrophication in Estuarine Ecology. Environmental Health Perspectives, 2001, 109, 699.	6.0	26
57	Monitoring of the toxic dinoflagellate <i>Karenia brevis</i> using gyroxanthin-based detection methods. Journal of Applied Phycology, 2004, 16, 315-328.	2.8	24
58	Spectral Irradiance and Phytoplankton Community Composition in a Blackwater-Dominated Estuary, Winyah Bay, South Carolina, USA. Estuaries and Coasts, 2010, 33, 1186-1201.	2.2	23
59	Ebb-Tidal Fronts in Charleston Harbor, South Carolina: Physical and Biological Characteristics. Estuaries and Coasts, 1990, 13, 1.	1.7	22
60	Water Quality of Four Major Lakes in Mississippi, USA: Impacts on Human and Aquatic Ecosystem Health. Water (Switzerland), 2015, 7, 4999-5030.	2.7	22
61	Estuarine phytoplankton group-specific responses to sublethal concentrations of the agricultural herbicide, atrazine. Marine Pollution Bulletin, 2002, 44, 1109-1116.	5.0	21
62	Nutrient Loading Impacts on Estuarine Phytoplankton Size and Community Composition: Community-Based Indicators of Eutrophication. Estuaries and Coasts, 2019, 42, 504-512.	2.2	21
63	Nutrient controls of planktonic cyanobacteria biomass in coastal stormwater detention ponds. Marine Ecology - Progress Series, 2011, 434, 15-27.	1.9	21
64	Antagonistic interactions between heterotrophic bacteria as a potential regulator of community structure of hypersaline microbial mats. FEMS Microbiology Ecology, 2013, 83, 74-81.	2.7	20
65	The influence of salinity in the domoic acid effect on estuarine phytoplankton communities. Harmful Algae, 2017, 69, 65-74.	4.8	20
66	Interannual and Seasonal Patterns of Estuarine Phytoplankton Diversity in Galveston Bay, Texas, USA. Estuaries and Coasts, 2017, 40, 310-316.	2.2	19
67	Phytoplankton community structure responses to urban effluent inputs following Hurricanes Katrina and Rita. Marine Ecology - Progress Series, 2009, 387, 137-146.	1.9	19
68	Effects of microzooplankton growth and trophic interactions on herbivory in coastal and offshore environments. Aquatic Microbial Ecology, 2009, 54, 255-267.	1.8	18
69	Neural net modeling of estuarine indicators: Hindcasting phytoplankton biomass and net ecosystem production in the Neuse (North Carolina) and Trout (Florida) Rivers, USA. Ecological Indicators, 2006, 6, 589-608.	6.3	17
70	Triclosan alterations of estuarine phytoplankton community structure. Marine Pollution Bulletin, 2017, 119, 162-168.	5.0	17
71	Coastal eutrophication and freshening: Impacts on <i>Pseudo-nitzschia</i> abundance and domoic acid allelopathy. Estuarine, Coastal and Shelf Science, 2018, 209, 70-79.	2.1	17
72	Responses of Estuarine Phytoplankton Communities to Nitrogen Form and Mixing Using Microcosm Bioassays. Estuaries and Coasts, 2001, 24, 828.	1.7	16

#	ARTICLE	IF	CITATIONS
73	Physico-chemical and biological factors influencing dinoflagellate cyst production in the Cariaco Basin. <i>Biogeosciences</i> , 2018, 15, 2325-2348.	3.3	15
74	Spatiotemporal Patterns of Subtidal Benthic Microalgal Biomass and Community Composition in Galveston Bay, Texas, USA. <i>Estuaries and Coasts</i> , 2008, 31, 444-454.	2.2	14
75	Cell-Specific Alkaline Phosphatase Expression by Phytoplankton from Winyah Bay, South Carolina, USA. <i>Estuaries and Coasts</i> , 2009, 32, 943-957.	2.2	14
76	Size-selective toxicity effects of the antimicrobial tylosin on estuarine phytoplankton communities. <i>Environmental Pollution</i> , 2016, 216, 806-810.	7.5	13
77	On the human appropriation of wetland primary production. <i>Science of the Total Environment</i> , 2021, 785, 147097.	8.0	13
78	Responses of phytoplankton and Pfiesteria-like dinoflagellate zoospores to nutrient enrichment in the Neuse River Estuary, North Carolina, USA. <i>Marine Ecology - Progress Series</i> , 2000, 192, 65-78.	1.9	12
79	Primary Production in the Delta: Then and Now. <i>San Francisco Estuary and Watershed Science</i> , 2016, 14, .	0.4	11
80	Optical monitoring of phytoplankton bloom pigment signatures. , 2011, , 538-606.		10
81	Ecotoxicology of bromoacetic acid on estuarine phytoplankton. <i>Environmental Pollution</i> , 2015, 206, 369-375.	7.5	9
82	Grazing and assimilation rate estimates of hydromedusae from a temperate tidal creek system. <i>Hydrobiologia</i> , 2008, 606, 203-211.	2.0	8
83	Uptake and impact of silver nanoparticles on the growth of an estuarine dinoflagellate, <i>Prorocentrum minimum</i> . <i>NanoImpact</i> , 2019, 15, 100181.	4.5	8
84	Photopigment radiolabelling as a tool for determining in situ growth rates of the toxic dinoflagellate <i>Karenia brevis</i> (Dinophyceae). <i>European Journal of Phycology</i> , 2006, 41, 415-423.	2.0	7
85	Respiration rates of dominant hydromedusae in the North Inlet tidal estuary during winter and summer. <i>Journal of Plankton Research</i> , 2007, 29, 1031-1040.	1.8	7
86	Pigment composition and photoacclimation as keys to the ecological success of <i>Gonyostomum semen</i> (Raphidophyceae, Sphaeropleales). <i>Journal of Phycology</i> , 2014, 50, 1146-1154.	2.3	6
87	Nutrient breakpoints for estuarine phytoplankton communities. <i>Limnology and Oceanography</i> , 2020, 65, 2999-3016.	3.1	6
88	Update on filtration, storage and extraction solvents. , 0, , 627-635.		5
89	Fluorometric estimation of surface associated microbial abundance. <i>Journal of Microbiological Methods</i> , 2012, 88, 297-303.	1.6	5
90	Structural and functional responses of microbial mats to reductions in nutrient and salinity stressors in a Bahamian hypersaline lagoon. <i>Aquatic Microbial Ecology</i> , 2011, 62, 289-298.	1.8	5

#	ARTICLE	IF	CITATIONS
91	Seasonal changes in phytoplankton community structure in a bioluminescent lagoon, St. Croix, US Virgin Islands. <i>Aquatic Microbial Ecology</i> , 2018, 81, 109-124.	1.8	3
92	A new sandwich hybridization assay method to identify and quantify <i>Microcystis</i> spp.. <i>Limnology and Oceanography: Methods</i> , 0, , .	2.0	3
93	Effects of grass shrimp versus nutrient addition on epiphytic algae associated with the ephemeral widgeongrass <i>Ruppia maritima</i> . <i>Marine Ecology - Progress Series</i> , 2009, 379, 151-162.	1.9	2
94	Seasonality of benthic microalgal community abundance in shallow shelf waters. <i>Continental Shelf Research</i> , 2022, 244, 104797.	1.8	2
95	Carbonic anhydrase regulation of plankton community structure in estuarine systems. <i>Aquatic Microbial Ecology</i> , 2018, 82, 73-85.	1.8	1
96	Effects of carbonic anhydrase inhibition on biomass and primary production of estuarine benthic microalgal communities. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 518, 151179.	1.5	0
97	Phytoplankton Biodiversity in the Oligotrophic Northwestern Sargasso Sea. , 2016, , 239-250.		0