

Oscar M Schofield

List of Publications by Year in descending order

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228
papers

13,216
citations

23567

58
h-index

27406

106
g-index

240
all docs

240
docs citations

240
times ranked

12104
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling polar marine ecosystem functions guided by bacterial physiological and taxonomic traits. <i>Biogeosciences</i> , 2022, 19, 117-136.	3.3	1
2	Modeling Phytoplankton Blooms and Inorganic Carbon Responses to Sea Ice Variability in the West Antarctic Peninsula. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006227.	3.0	7
3	Krill availability in adjacent Adélie and gentoo penguin foraging regions near Palmer Station, Antarctica. <i>Limnology and Oceanography</i> , 2021, 66, 2234-2250.	3.1	10
4	Low diversity of a key phytoplankton group along the West Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2021, 66, 2470-2480.	3.1	13
5	Local and Large Scale Drivers of Variability in the Coastal Freshwater Budget of the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017172.	2.6	10
6	WAP-1D-VAR v1.0: development and evaluation of a one-dimensional variational data assimilation model for the marine ecosystem along the West Antarctic Peninsula. <i>Geoscientific Model Development</i> , 2021, 14, 4939-4975.	3.6	5
7	Decline in plankton diversity and carbon flux with reduced sea ice extent along the Western Antarctic Peninsula. <i>Nature Communications</i> , 2021, 12, 4948.	12.8	24
8	Developing a convolutional neural network to classify phytoplankton images collected with an Imaging FlowCytobot along the West Antarctic Peninsula. , 2021, , .		0
9	Interpopulational differences in the nutritional condition of <i>Aequioldia eightsi</i> (Protobranchia: Nuculanidae) from the Western Antarctic Peninsula during austral summer. <i>PeerJ</i> , 2021, 9, e12679.	2.0	1
10	Station-Keeping Underwater Gliders Using a Predictive Ocean Circulation Model and Applications to SWOT Calibration and Validation. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 371-384.	3.8	20
11	Testing the Canyon Hypothesis: Evaluating light and nutrient controls of phytoplankton growth in penguin foraging hotspots along the West Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2020, 65, 455-470.	3.1	14
12	Physical processes controlling chlorophyll-a variability on the Mid-Atlantic Bight along northeast United States. <i>Journal of Marine Systems</i> , 2020, 212, 103433.	2.1	6
13	FLRe glider: Mapping in situ chlorophyll variable fluorescence with autonomous underwater gliders. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 531-545.	2.0	10
14	Photosynthetic energy conversion efficiency in the West Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2020, 65, 2912-2925.	3.1	17
15	Monitoring ocean biogeochemistry with autonomous platforms. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 315-326.	29.7	114
16	Zooplankton diel vertical migration during Antarctic summer. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 162, 103324.	1.4	24
17	Key Concepts in Polar Science: Coming to Consensus on the Essential Polar Literacy Principles. <i>Current: the Journal of Marine Education</i> , 2020, 34, 2.	0.2	2
18	Bringing Long-term Ecological Research (LTER) at Palmer Station, Antarctica to your Classroom. <i>Current: the Journal of Marine Education</i> , 2020, 34, 15.	0.2	0

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19	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	67
20	Origin and Attenuation of Mesoscale Structure in Circumpolar Deep Water Intrusions to an Antarctic Shelf. <i>Journal of Physical Oceanography</i> , 2019, 49, 1293-1318.	1.7	13
21	Enhanced oceanic CO ₂ uptake along the rapidly changing West Antarctic Peninsula. <i>Nature Climate Change</i> , 2019, 9, 678-683.	18.8	62
22	Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. <i>Progress in Oceanography</i> , 2019, 173, 208-237.	3.2	102
23	Towards Quantitative Microbiome Community Profiling Using Internal Standards. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	52
24	Glider Technology Enabling a Diversity of Opportunities With Autonomous Ocean Sampling. , 2019, , 367-374.		0
25	Lagrangian coherent structure assisted path planning for transoceanic autonomous underwater vehicle missions. <i>Scientific Reports</i> , 2018, 8, 4575.	3.3	35
26	Workforce Development Supporting the Blue Economy: A Master's Program of Integrated Ocean Observing at Rutgers University. , 2018, , .		1
27	Functioning of Coastal River-Dominated Ecosystems and Implications for Oil Spill Response: From Observations to Mechanisms and Models. <i>Oceanography</i> , 2018, 31, .	1.0	24
28	Education and Public Engagement in OOI: Lessons Learned from the Field. <i>Oceanography</i> , 2018, 31, 138-146.	1.0	6
29	Spring "summer net community production, new production, particle export and related water column biogeochemical processes in the marginal sea ice zone of the Western Antarctic Peninsula 2012-2014. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170177.	3.4	23
30	Inter-decadal variability of phytoplankton biomass along the coastal West Antarctic Peninsula. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170174.	3.4	44
31	Changes in the upper ocean mixed layer and phytoplankton productivity along the West Antarctic Peninsula. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170173.	3.4	62
32	Developing Practical Data Skills in Undergraduate Students Using Ocean Observatories. <i>Marine Technology Society Journal</i> , 2018, 52, 47-53.	0.4	3
33	Workforce Development Supporting the Blue Economy: Using Recent Community-Developed Material in Operational Oceanography Curricula. <i>Marine Technology Society Journal</i> , 2018, 52, 51-54.	0.4	1
34	Decadal variability in coastal phytoplankton community composition in a changing West Antarctic Peninsula. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 124, 42-54.	1.4	138
35	Factors that affect the nearshore aggregations of Antarctic krill in a biological hotspot. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 126, 139-147.	1.4	29
36	Controls on dissolved and particulate iron distributions in surface waters of the Western Antarctic Peninsula shelf. <i>Marine Chemistry</i> , 2017, 196, 81-97.	2.3	60

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37	Defining the ecologically relevant mixed-layer depth for Antarctica's coastal seas. <i>Geophysical Research Letters</i> , 2017, 44, 338-345.	4.0	73
38	Rapid shelf-wide cooling response of a stratified coastal ocean to hurricanes. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4845-4867.	2.6	47
39	Distribution of upper Circumpolar Deep Water on the warming continental shelf of the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5306-5315.	2.6	49
40	Understanding a Changing West Antarctic Peninsula. <i>Eos</i> , 2017, , .	0.1	0
41	Moving Towards Implementation of a Southern Ocean Observing System. <i>Marine Technology Society Journal</i> , 2016, 50, 63-68.	0.4	0
42	Responses of Antarctic Marine and Freshwater Ecosystems to Changing Ice Conditions. <i>BioScience</i> , 2016, 66, 864-879.	4.9	41
43	Stratified coastal ocean interactions with tropical cyclones. <i>Nature Communications</i> , 2016, 7, 10887.	12.8	133
44	Stratified coastal ocean processes in hurricanes and typhoons enhance ahead-of-eye cooling and reduce storm intensity. , 2016, , .		0
45	Interannual variability in net community production at the Western Antarctic Peninsula region (1997-2014). <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4748-4762.	2.6	14
46	Comparison between glider-derived geostrophic velocities and shipboard ADCP measurements. , 2016, , .		0
47	Developing priority variables ("ecosystem Essential Ocean Variables" eEOVs) for observing dynamics and change in Southern Ocean ecosystems. <i>Journal of Marine Systems</i> , 2016, 161, 26-41.	2.1	89
48	Copepod summer grazing and fecal pellet production along the Western Antarctic Peninsula. <i>Journal of Plankton Research</i> , 2016, 38, 732-750.	1.8	22
49	Hurricane Irene Sensitivity to Stratified Coastal Ocean Cooling. <i>Monthly Weather Review</i> , 2016, 144, 3507-3530.	1.4	44
50	Mixing and phytoplankton dynamics in a submarine canyon in the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5069-5083.	2.6	50
51	Mapping Antarctic phytoplankton physiology using autonomous gliders. , 2016, , .		0
52	Glider observations of the Dotson Ice Shelf outflow. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 123, 16-29.	1.4	30
53	Seasonal time bombs: dominant temperate viruses affect Southern Ocean microbial dynamics. <i>ISME Journal</i> , 2016, 10, 437-449.	9.8	257
54	Implementation of energy harvesting system for powering thermal gliders for long duration ocean research. , 2015, , .		6

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55	The imbalance of new and export production in the western Antarctic Peninsula, a potentially "leaky" ecosystem. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1400-1420.	4.9	30
56	Gliders as maturing technology: Using gliderpalooza as means to develop an integrated glider community. , 2015, , .		3
57	The mid-atlantic autumn cold pool during GliderPalooza-2013. , 2015, , .		1
58	Model comparison for transatlantic ocean glider flight: Student analysis of modern circumnavigation. , 2015, , .		0
59	Developing Coordinated Communities of Autonomous Gliders for Sampling Coastal Ecosystems. <i>Marine Technology Society Journal</i> , 2015, 49, 9-16.	0.4	17
60	Glider advancements in efficiency: Enhancing factors necessary for ocean-wide flights. , 2015, , .		0
61	The ocean is our classroom: A 4-year research track for undergraduate exploration, research and discovery in oceanography. , 2015, , .		1
62	Glider measurements of phytoplankton physiology in penguin foraging zones along the Western Antarctic Peninsula. , 2015, , .		3
63	New Sensors for Ocean Observing. , 2015, , 326-350.		9
64	Glider observations and modeling of sediment transport in Hurricane Sandy. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1771-1791.	2.6	69
65	Long-term (1993-2013) changes in macrozooplankton off the Western Antarctic Peninsula. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 101, 54-70.	1.4	143
66	Fe availability drives phytoplankton photosynthesis rates during spring bloom in the Amundsen Sea Polynya, Antarctica. <i>Elementa</i> , 2015, 3, .	3.2	42
67	<i>In situ</i> phytoplankton distributions in the Amundsen Sea Polynya measured by autonomous gliders. <i>Elementa</i> , 2015, 3, .	3.2	30
68	Effect of continental shelf canyons on phytoplankton biomass and community composition along the western Antarctic Peninsula. <i>Marine Ecology - Progress Series</i> , 2015, 524, 11-26.	1.9	48
69	Sediment transport in Hurricane Sandy. , 2014, , .		0
70	Gliderpalooza 2013 to modelpalooza 2014: Joint U.S. & Canadian ocean glider operations supporting multidisciplinary scientific research and education. , 2014, , .		2
71	The role of regional-scale ocean observations for improved hurricane intensity and impact forecasts in coastal regions. , 2014, , .		1
72	Bacteriocidal effects of brevetoxin on natural microbial communities. <i>Harmful Algae</i> , 2014, 38, 101-109.	4.8	7

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73	Winter and spring controls on the summer food web of the coastal West Antarctic Peninsula. <i>Nature Communications</i> , 2014, 5, 4318.	12.8	231
74	Ocean predictive skill assessments in the South Atlantic: Crowd-sourcing of student-based discovery. , 2014, , .		7
75	The vision for a Southern Ocean Observing System. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 306-313.	6.3	40
76	Satellite Remote Sensing in Support of an Integrated Ocean Observing System. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2013, 1, 8-18.	9.6	35
77	Phytoplankton productivity in a turbid buoyant coastal plume. <i>Continental Shelf Research</i> , 2013, 63, S138-S148.	1.8	11
78	Temporal and spatial variability in fall storm induced sediment resuspension on the Mid-Atlantic Bight. <i>Continental Shelf Research</i> , 2013, 63, S36-S49.	1.8	28
79	Role of wind in regulating phytoplankton blooms on the Mid-Atlantic Bight. <i>Continental Shelf Research</i> , 2013, 63, S26-S35.	1.8	23
80	Multiscale forecasting in the western North Atlantic: Sensitivity of model forecast skill to glider data assimilation. <i>Continental Shelf Research</i> , 2013, 63, S159-S176.	1.8	17
81	Ocean Observatories and Information: Building a Global Ocean Observing Network. , 2013, , 319-336.		4
82	Process-driven improvements to hurricane intensity and storm surge forecasts in the mid-atlantic bight: Lessons learned from hurricanes irene and sandy. , 2013, , .		5
83	West Antarctic Peninsula: An Ice-Dependent Coastal Marine Ecosystem in Transition. <i>Oceanography</i> , 2013, 26, 190-203.	1.0	249
84	Penguin Biogeography Along the West Antarctic Peninsula: Testing the Canyon Hypothesis with Palmer LTER Observationsf. <i>Oceanography</i> , 2013, 26, 204-206.	1.0	45
85	A Nonmarine Source of Variability in AdÃ©lie Penguin Demography. <i>Oceanography</i> , 2013, 26, 207-209.	1.0	35
86	AdÃ©lie Penguin Foraging Location Predicted by Tidal Regime Switching. <i>PLoS ONE</i> , 2013, 8, e55163.	2.5	39
87	The Robot Ocean Network. <i>American Scientist</i> , 2013, 101, 434.	0.1	6
88	Trichodesmium-derived dissolved organic matter is a source of nitrogen capable of supporting the growth of toxic red tide <i>Karenia brevis</i> . <i>Marine Ecology - Progress Series</i> , 2013, 483, 31-45.	1.9	25
89	Carbon fluxes and pelagic ecosystem dynamics near two western Antarctic Peninsula AdÃ©lie penguin colonies: an inverse model approach. <i>Marine Ecology - Progress Series</i> , 2013, 492, 253-272.	1.9	81
90	Ocean Observatories and Information: Building a Global Ocean Observing Network. , 2013, , 1-16.		0

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91	Phytoplankton dynamics and bottom water oxygen during a large bloom in the summer of 2011. , 2012, , .		3
92	A national glider network for sustained observation of the coastal ocean. , 2012, , .		5
93	Mapping the Mid-Atlantic Cold Pool evolution and variability with ocean gliders and numerical models. , 2012, , .		9
94	Impact of ocean observations on hurricane forecasts in the Mid-Atlantic: Forecasting lessons learned from Hurricane Irene. , 2012, , .		0
95	Summertime grazing impact of the dominant macrozooplankton off the Western Antarctic Peninsula. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 62, 111-122.	1.4	67
96	Implementing a Southern Ocean Observing System. Eos, 2012, 93, 241-243.	0.1	1
97	Aragonite Precipitation by "Proto-Polyps" in Coral Cell Cultures. PLoS ONE, 2012, 7, e35049.	2.5	51
98	Increased Feeding and Nutrient Excretion of Adult Antarctic Krill, Euphausia superba, Exposed to Enhanced Carbon Dioxide (CO2). PLoS ONE, 2012, 7, e52224.	2.5	57
99	The Southern Ocean Observing System. Oceanography, 2012, 25, 68-69.	1.0	30
100	ASPIRE: The Amundsen Sea Polynya International Research Expedition. Oceanography, 2012, 25, 40-53.	1.0	116
101	Multiscale control of bacterial production by phytoplankton dynamics and sea ice along the western Antarctic Peninsula: A regional and decadal investigation. Journal of Marine Systems, 2012, 98-99, 26-39.	2.1	82
102	Letting Penguins Lead: Dynamic Modeling of Penguin Locations Guides Autonomous Robotic Sampling. Oceanography, 2012, 25, 120-121.	1.0	6
103	Seasonal variability of chlorophyll a in the Mid-Atlantic Bight. Continental Shelf Research, 2011, 31, 1640-1650.	1.8	45
104	Optical monitoring of phytoplankton bloom pigment signatures. , 2011, , 538-606.		10
105	The Trans-Atlantic Slocum Glider Expeditions: A Catalyst for Undergraduate Participation in Ocean Science and Technology. Marine Technology Society Journal, 2011, 45, 52-67.	0.4	26
106	Automated, in-water determination of colored dissolved organic material and phytoplankton community structure using the optical phytoplankton discriminator. Proceedings of SPIE, 2011, , .	0.8	5
107	Photosynthetic energy storage efficiency in Chlamydomonas reinhardtii, based on microsecond photoacoustics. Photosynthesis Research, 2011, 108, 215-224.	2.9	5
108	Competitive dynamics in two species of marine phytoplankton under non-equilibrium conditions. Marine Ecology - Progress Series, 2011, 429, 19-28.	1.9	67

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109	The emergence of regularity and variability in marine ecosystems: the combined role of physics, chemistry and biology. <i>Scientia Marina</i> , 2011, 75, 719-731.	0.6	7
110	A Regional Slocum Glider Network in the Mid-Atlantic Bight Leverages Broad Community Engagement. <i>Marine Technology Society Journal</i> , 2010, 44, 185-195.	0.4	22
111	From the light to the darkness: thriving at the light extremes in the oceans. <i>Hydrobiologia</i> , 2010, 639, 153-171.	2.0	43
112	Autonomous Gliders Reveal Features of the Water Column Associated with Foraging by Adelie Penguins. <i>Integrative and Comparative Biology</i> , 2010, 50, 1041-1050.	2.0	27
113	Zooplankton avoidance of a profiled open-path fluorometer. <i>Journal of Plankton Research</i> , 2010, 32, 1413-1419.	1.8	15
114	Slocum Glider energy measurement and simulation infrastructure. , 2010, , .		22
115	Spatiotemporal path planning in strong, dynamic, uncertain currents. , 2010, , .		40
116	Simulation of Water Age and Residence Time in New York Bight. <i>Journal of Physical Oceanography</i> , 2010, 40, 965-982.	1.7	67
117	Density dependent expression of a diatom retrotransposon. <i>Marine Genomics</i> , 2010, 3, 145-150.	1.1	9
118	Seasonal forcing of summer dissolved inorganic carbon and chlorophyll <i>a</i> on the western shelf of the Antarctic Peninsula. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
119	Temperature, salinity, and density variability in the central Middle Atlantic Bight. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
120	Automated Sensor Network to Advance Ocean Science. <i>Eos</i> , 2010, 91, 345-346.	0.1	32
121	How Do Polar Marine Ecosystems Respond to Rapid Climate Change?. <i>Science</i> , 2010, 328, 1520-1523.	12.6	310
122	The Effects of Tides and Oscillatory Winds on the Subtidal Inner-Shelf Cross-Shelf Circulation. <i>Journal of Physical Oceanography</i> , 2010, 40, 775-788.	1.7	13
123	Remote Real-Time Video-Enabled Docking for Underwater Autonomous Platforms. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 2665-2672.	1.3	8
124	Cyberinfrastructure for the US Ocean Observatories Initiative: Enabling interactive observation in the ocean. , 2009, , .		16
125	Recent Changes in Phytoplankton Communities Associated with Rapid Regional Climate Change Along the Western Antarctic Peninsula. <i>Science</i> , 2009, 323, 1470-1473.	12.6	579
126	Beyond the first optical depth: fusing optical data from ocean color imagery and gliders. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0

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127	Using Webb gliders to maintain a sustained ocean presence. , 2009, , .		2
128	Growing a Distributed Ocean Observatory: Our View from the COOL Room. Oceanography, 2009, 22, 128-145.	1.0	219
129	Contribution by different marine bacterial communities to particulate beam attenuation. Marine Ecology - Progress Series, 2009, 379, 13-22.	1.9	3
130	Seasonal evolution of hydrographic fields in the central Middle Atlantic Bight from glider observations. Geophysical Research Letters, 2008, 35, .	4.0	71
131	Bulge Formation of a Buoyant River Outflow. Journal of Geophysical Research, 2008, 113, .	3.3	77
132	Cross-shelf transport of freshwater on the New Jersey shelf. Journal of Geophysical Research, 2008, 113, .	3.3	46
133	Dynamics of turbid buoyant plumes and the feedbacks on near-shore biogeochemistry and physics. Geophysical Research Letters, 2008, 35, .	4.0	39
134	Enabling discovery based science with Webb Gliders. , 2008, , .		1
135	The role of nutricline depth in regulating the ocean carbon cycle. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20344-20349.	7.1	214
136	Observing storm-induced sediment resuspension processes in the mid-atlantic bight with Slocum Gliders. , 2008, , .		0
137	Synergistic applications of autonomous underwater vehicles and the regional ocean modeling system in coastal ocean forecasting. Limnology and Oceanography, 2008, 53, 2251-2263.	3.1	27
138	Glider observations of sediment resuspension in a Middle Atlantic Bight fall transition storm. Limnology and Oceanography, 2008, 53, 2180-2196.	3.1	72
139	Biological Responses in a Dynamic Buoyant River Plume. Oceanography, 2008, 21, 70-89.	1.0	29
140	The Decadal View of the Mid-Atlantic Bight from the COOLroom: Is Our Coastal System Changing?. Oceanography, 2008, 21, 108-117.	1.0	47
141	Dispersal of the Hudson River Plume in the New York Bight: Synthesis of Observational and Numerical Studies During LaTTE. Oceanography, 2008, 21, 148-161.	1.0	43
142	Coastal Sediment Dynamics and River Discharge as Key Factors Influencing Coastal Ecosystem Productivity in Southeastern Lake Michigan. Oceanography, 2008, 21, 60-69.	1.0	18
143	Effects of phytoplankton physiology on export flux. Marine Ecology - Progress Series, 2008, 354, 3-19.	1.9	54
144	Implementing a New Paradigm in Ocean Observing: A View from the Coolroom. , 2007, , .		0

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145	A universal driver of macroevolutionary change in the size of marine phytoplankton over the Cenozoic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20416-20420.	7.1	101
146	Laser line scan performance prediction. , 2007, , .		3
147	Phylogenetic diversity in cadmium : phosphorus ratio regulation by marine phytoplankton. <i>Limnology and Oceanography</i> , 2007, 52, 1131-1138.	3.1	33
148	The mode and tempo of genome size evolution in eukaryotes. <i>Genome Research</i> , 2007, 17, 594-601.	5.5	140
149	A Nested Multi-static HF Radar Testbed for the New York Bight and Beyond. , 2007, , .		1
150	Slocum Gliders: Robust and ready. <i>Journal of Field Robotics</i> , 2007, 24, 473-485.	6.0	228
151	The role of functional traits and trade-offs in structuring phytoplankton communities: scaling from cellular to ecosystem level. <i>Ecology Letters</i> , 2007, 10, 1170-1181.	6.4	699
152	Scaling-up from nutrient physiology to the size-structure of phytoplankton communities. <i>Journal of Plankton Research</i> , 2006, 28, 459-471.	1.8	288
153	The Bermuda Testbed Mooring and HALE-ALOHA Mooring Programs: Innovative Deep-Sea Global Observatories. , 2006, , .		1
154	Localization and Role of Manganese Superoxide Dismutase in a Marine Diatom. <i>Plant Physiology</i> , 2006, 142, 1701-1709.	4.8	82
155	Vertical migration of the toxic dinoflagellate <i>Karenia brevis</i> and the impact on ocean optical properties. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	40
156	Use of hyperspectral remote sensing reflectance for detection and assessment of the harmful alga, <i>Karenia brevis</i> . <i>Applied Optics</i> , 2006, 45, 5414.	2.1	83
157	Multi-nutrient, multi-group model of present and future oceanic phytoplankton communities. <i>Biogeosciences</i> , 2006, 3, 585-606.	3.3	139
158	Phased implementation of the Mid-Atlantic regional HF radar system. , 2006, , .		0
159	Irradiance and the elemental stoichiometry of marine phytoplankton. <i>Limnology and Oceanography</i> , 2006, 51, 2690-2701.	3.1	100
160	INTRASPECIFIC GENETIC DIVERSITY IN THE MARINE COCCOLITHOPHORE EMILIANIA HUXLEYI (PRYMNESIOPHYCEAE): THE USE OF MICROSATELLITE ANALYSIS IN MARINE PHYTOPLANKTON POPULATION STUDIES1. <i>Journal of Phycology</i> , 2006, 42, 526-536.	2.3	121
161	Wind-driven response of the Hudson River Plume and its effect on dissolved oxygen concentrations. , 2006, , .		0
162	Opening a Window to the Sea: The Potential of the Ocean Observatories for Education. , 2006, , .		1

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163	Studying the Dynamics and Biological Significance of the Hudson River Using an Ocean Observatory. , 2006, , .		0
164	Coastal Ocean Observatories Enable Biological Investigations in a Buoyant Plume. , 2006, , .		2
165	Diver visibility measured with a compact scattering-attenuation meter (SAM) compatible with AUVs and other small deployment platforms. , 2005, , .		4
166	Predicting the optical properties of the West Florida Shelf: resolving the potential impacts of a terrestrial boundary condition on the distribution of colored dissolved and particulate matter. Marine Chemistry, 2005, 95, 199-233.	2.3	18
167	THE ROLE AND EVOLUTION OF SUPEROXIDE DISMUTASES IN ALGAE1. Journal of Phycology, 2005, 41, 453-465.	2.3	179
168	A hypothesis of genome structure in marine phytoplankton. Journal of Eukaryotic Microbiology, 2005, 52, 7S-27S.	1.7	0
169	Adaptive Evolution of Phytoplankton Cell Size. American Naturalist, 2005, 166, 496-505.	2.1	72
170	Climatically driven macroevolutionary patterns in the size of marine diatoms over the Cenozoic. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8927-8932.	7.1	172
171	MEETING REPORT Science, Friends, and Great Timesâ€”The Spring 2005 International Ocean Research Conference in Paris. Oceanography, 2005, 18, 62-65.	1.0	4
172	Variability in measured and modelled remote sensing reflectance for coastal waters at LEO-15. International Journal of Remote Sensing, 2004, 25, 1469-1472.	2.9	2
173	Response to Comment on "The Evolution of Modern Eukaryotic Phytoplankton". Science, 2004, 306, 2191c-2191c.	12.6	11
174	Alteration of the food web along the Antarctic Peninsula in response to a regional warming trend. Global Change Biology, 2004, 10, 1973-1980.	9.5	332
175	Variability in spectral backscatter estimated from satellites and its relation to in situ measurements in optically complex coastal waters. International Journal of Remote Sensing, 2004, 25, 1465-1468.	2.9	5
176	Impacts of a recurrent resuspension event and variable phytoplankton community composition on remote sensing reflectance. Journal of Geophysical Research, 2004, 109, .	3.3	32
177	Deriving in situ phytoplankton absorption for bio-optical productivity models in turbid waters. Journal of Geophysical Research, 2004, 109, .	3.3	27
178	Inversion of spectral absorption in the optically complex coastal waters of the Mid-Atlantic Bight. Journal of Geophysical Research, 2004, 109, .	3.3	41
179	Bioinformatic approaches for objective detection of water masses on continental shelves. Journal of Geophysical Research, 2004, 109, .	3.3	53
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