

# J P Dunne

## List of Publications by Year in descending order

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165  
papers

21,960  
citations

13827

67  
h-index

9839

141  
g-index

193  
all docs

193  
docs citations

193  
times ranked

18272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability of the ocean carbon cycle in response to the North Atlantic Oscillation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 18738.	0.8	27
2	Using Timescales of Deficit and Residence to Evaluate Near-Bottom Dissolved Oxygen Variation in Coastal Seas. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	10
3	Oceanic and Atmospheric Drivers of Post-El Niño Chlorophyll Rebound in the Equatorial Pacific. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
4	Regional sensitivity patterns of Arctic Ocean acidification revealed with machine learning. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	2
5	Trophic level decoupling drives future changes in phytoplankton bloom phenology. <i>Nature Climate Change</i> , 2022, 12, 469-476.	8.1	15
6	Regional projection of climate warming effects on coastal seas in east China. <i>Environmental Research Letters</i> , 2022, 17, 074006.	2.2	2
7	Global ecological and biogeochemical impacts of pelagic tunicates. <i>Progress in Oceanography</i> , 2022, 205, 102822.	1.5	24
8	Quantifying the Role of Seasonality in the Marine Carbon Cycle Feedback: An ESM2M Case Study. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	5
9	Mechanisms driving ESM-based marine ecosystem predictive skill on the east African coast. <i>Environmental Research Letters</i> , 2022, 17, 084004.	2.2	1
10	Toward a better understanding of fish-based contribution to ocean carbon flux. <i>Limnology and Oceanography</i> , 2021, 66, 1639-1664.	1.6	106
11	Predictable Variations of the Carbon Sinks and Atmospheric CO <sub>2</sub> Growth in a Multi-Model Framework. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090695.	1.5	17
12	Quantifying global potential for coral evolutionary response to climate change. <i>Nature Climate Change</i> , 2021, 11, 537-542.	8.1	42
13	Simulated Global Coastal Ecosystem Responses to a Half-Century Increase in River Nitrogen Loads. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094367.	1.5	22
14	An Atmospheric Constraint on the Seasonal Air-Sea Exchange of Oxygen and Heat in the Extratropics. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017510.	1.0	2
15	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. <i>Nature Climate Change</i> , 2021, 11, 973-981.	8.1	96
16	Importance of wind and meltwater for observed chemical and physical changes in the Southern Ocean. <i>Nature Geoscience</i> , 2020, 13, 35-42.	5.4	42
17	Contrasting Upper and Deep Ocean Oxygen Response to Protracted Global Warming. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006601.	1.9	24
18	Time of Emergence and Large Ensemble Intercomparison for Ocean Biogeochemical Trends. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006453.	1.9	33

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19	Comparison of Equilibrium Climate Sensitivity Estimates From Slab Ocean, 150-Year, and Longer Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088852.	1.5	16
20	Simple Global Ocean Biogeochemistry With Light, Iron, Nutrients and Gas Version 2 (BLINGv2): Model Description and Simulation Characteristics in GFDL's CM4.0. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002008.	1.3	24
21	The GFDL Global Atmospheric Chemistry-Climate Model AM4.1: Model Description and Simulation Characteristics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002032.	1.3	51
22	Ocean Biogeochemistry in GFDL's Earth System Model 4.1 and Its Response to Increasing Atmospheric CO <sub>2</sub> . <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002043.	1.3	70
23	Tracking Improvement in Simulated Marine Biogeochemistry Between CMIP5 and CMIP6. <i>Current Climate Change Reports</i> , 2020, 6, 95-119.	2.8	155
24	The GFDL Earth System Model Version 4.1 (GFDL-ESM 4.1): Overall Coupled Model Description and Simulation Characteristics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002015.	1.3	277
25	Potential predictability of marine ecosystem drivers. <i>Biogeosciences</i> , 2020, 17, 2061-2083.	1.3	24
26	Twenty-first century ocean warming, acidification, deoxygenation, and upper-ocean nutrient and primary production decline from CMIP6 model projections. <i>Biogeosciences</i> , 2020, 17, 3439-3470.	1.3	348
27	Microbial evolutionary strategies in a dynamic ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5943-5948.	3.3	29
28	Climate Sensitivity of GFDL's CM4.0. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001838.	1.3	17
29	Emergence of anthropogenic signals in the ocean carbon cycle. <i>Nature Climate Change</i> , 2019, 9, 719-725.	8.1	54
30	Seasonal to multiannual marine ecosystem prediction with a global Earth system model. <i>Science</i> , 2019, 365, 284-288.	6.0	63
31	The GFDL Global Ocean and Sea Ice Model OM4.0: Model Description and Simulation Features. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3167-3211.	1.3	195
32	Structure and Performance of GFDL's CM4.0 Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3691-3727.	1.3	242
33	The Equatorial Undercurrent and the Oxygen Minimum Zone in the Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 6716-6725.	1.5	35
34	Global ensemble projections reveal trophic amplification of ocean biomass declines with climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12907-12912.	3.3	357
35	Carbon cycling in the North American coastal ocean: a synthesis. <i>Biogeosciences</i> , 2019, 16, 1281-1304.	1.3	45
36	Hot Spots of Carbon and Alkalinity Cycling in the Coastal Oceans. <i>Scientific Reports</i> , 2019, 9, 4434.	1.6	20

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37	Estimating Air-Sea Carbon Flux Uncertainty Over the Tropical Pacific: Importance of Winds and Wind Analysis Uncertainty. <i>Global Biogeochemical Cycles</i> , 2019, 33, 370-390.	1.9	11
38	Quantification of ocean heat uptake from changes in atmospheric O <sub>2</sub> and CO <sub>2</sub> composition. <i>Scientific Reports</i> , 2019, 9, 20244.	1.6	26
39	Simulating Water Residence Time in the Coastal Ocean: A Global Perspective. <i>Geophysical Research Letters</i> , 2019, 46, 13910-13919.	1.5	41
40	Reduced CaCO <sub>3</sub> Flux to the Seafloor and Weaker Bottom Current Speeds Curtail Benthic CaCO <sub>3</sub> Dissolution Over the 21st Century. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1654-1673.	1.9	1
41	Seasonal to interannual predictability of oceanic net primary production inferred from satellite observations. <i>Progress in Oceanography</i> , 2019, 170, 28-39.	1.5	26
42	Surface winds from atmospheric reanalysis lead to contrasting oceanic forcing and coastal upwelling patterns. <i>Ocean Modelling</i> , 2019, 133, 79-111.	1.0	20
43	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 2. Model Description, Sensitivity Studies, and Tuning Strategies. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 735-769.	1.3	185
44	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 1. Simulation Characteristics With Prescribed SSTs. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 691-734.	1.3	155
45	Satellite sensor requirements for monitoring essential biodiversity variables of coastal ecosystems. <i>Ecological Applications</i> , 2018, 28, 749-760.	1.8	116
46	Biogeochemical Role of Subsurface Coherent Eddies in the Ocean: Tracer Cannonballs, Hypoxic Storms, and Microbial Stewpots?. <i>Global Biogeochemical Cycles</i> , 2018, 32, 226-249.	1.9	53
47	Ocean Chlorophyll as a Precursor of ENSO: An Earth System Modeling Study. <i>Geophysical Research Letters</i> , 2018, 45, 1939-1947.	1.5	23
48	Modeling Global Ocean Biogeochemistry With Physical Data Assimilation: A Pragmatic Solution to the Equatorial Instability. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 891-906.	1.3	35
49	Roles of the Ocean Mesoscale in the Horizontal Supply of Mass, Heat, Carbon, and Nutrients to the Northern Hemisphere Subtropical Gyres. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7016-7036.	1.0	18
50	Glacial Iron Sources Stimulate the Southern Ocean Carbon Cycle. <i>Geophysical Research Letters</i> , 2018, 45, 13,377.	1.5	27
51	Simulating the ocean's chlorophyll dynamic range from coastal upwelling to oligotrophy. <i>Progress in Oceanography</i> , 2018, 168, 232-247.	1.5	28
52	Quantification of ocean heat uptake from changes in atmospheric O <sub>2</sub> and CO <sub>2</sub> composition. <i>Nature</i> , 2018, 563, 105-108.	13.7	50
53	Rapid coastal deoxygenation due to ocean circulation shift in the northwest Atlantic. <i>Nature Climate Change</i> , 2018, 8, 868-872.	8.1	69
54	Response of O <sub>2</sub> and pH to ENSO in the California Current System in a high-resolution global climate model. <i>Ocean Science</i> , 2018, 14, 69-86.	1.3	23

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55	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1421-1442.	1.3	116
56	The Mechanistic Role of the Central American Seaway in a GFDL Earth System Model. Part 1: Impacts on Global Ocean Mean State and Circulation. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 840-859.	1.3	7
57	Reconciling fisheries catch and ocean productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1441-E1449.	3.3	195
58	Temperature and oxygen dependence of the remineralization of organic matter. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1038-1050.	1.9	86
59	Linked sustainability challenges and trade-offs among fisheries, aquaculture and agriculture. <i>Nature Ecology and Evolution</i> , 2017, 1, 1240-1249.	3.4	161
60	Projections of climate-driven changes in tuna vertical habitat based on species-specific differences in blood oxygen affinity. <i>Global Change Biology</i> , 2017, 23, 4019-4028.	4.2	33
61	Annual nitrate drawdown observed by <i>SOCCOM</i> profiling floats and the relationship to annual net community production. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6668-6683.	1.0	54
62	Biogeochemical protocols and diagnostics for the CMIP6 Ocean Model Intercomparison Project (OMIP). <i>Geoscientific Model Development</i> , 2017, 10, 2169-2199.	1.3	137
63	C4MIP – The Coupled Climate–Carbon Cycle Model Intercomparison Project: experimental protocol for CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 2853-2880.	1.3	186
64	Challenges in modeling spatiotemporally varying phytoplankton blooms in the Northwestern Arabian Sea and Gulf of Oman. <i>Biogeosciences</i> , 2016, 13, 1049-1069.	1.3	7
65	Inconsistent strategies to spin up models in CMIP5: implications for ocean biogeochemical model performance assessment. <i>Geoscientific Model Development</i> , 2016, 9, 1827-1851.	1.3	68
66	Projected decreases in future marine export production: the role of the carbon flux through the upper ocean ecosystem. <i>Biogeosciences</i> , 2016, 13, 4023-4047.	1.3	106
67	The fundamental niche of blood oxygen binding in the pelagic ocean. <i>Oikos</i> , 2016, 125, 938-949.	1.2	8
68	Net primary productivity estimates and environmental variables in the Arctic Ocean: An assessment of coupled physical-biogeochemical models. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8635-8669.	1.0	34
69	How well do global ocean biogeochemistry models simulate dissolved iron distributions?. <i>Global Biogeochemical Cycles</i> , 2016, 30, 149-174.	1.9	230
70	Evaluating CMIP5 ocean biogeochemistry and Southern Ocean carbon uptake using atmospheric potential oxygen: Present-day performance and future projection. <i>Geophysical Research Letters</i> , 2016, 43, 2077-2085.	1.5	22
71	Quantifying uncertainty in future ocean carbon uptake. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1563-1565.	1.9	2
72	Multidecadal wind-driven shifts in northwest Pacific temperature, salinity, $O_2$ , and $PO_4$ . <i>Global Biogeochemical Cycles</i> , 2016, 30, 1599-1619.	1.9	6

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73	When can ocean acidification impacts be detected from decadal alkalinity measurements?. <i>Global Biogeochemical Cycles</i> , 2016, 30, 595-612.	1.9	17
74	Annual cycles of phytoplankton biomass in the subarctic Atlantic and Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 2016, 30, 175-190.	1.9	71
75	Enhanced Atlantic sea-level rise relative to the Pacific under high carbon emission rates. <i>Nature Geoscience</i> , 2016, 9, 210-214.	5.4	24
76	On the Southern Ocean CO <sub>2</sub> uptake and the role of the biological carbon pump in the 21st century. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1451-1470.	1.9	85
77	Poleward displacement of coastal upwelling-favorable winds in the ocean's eastern boundary currents through the 21st century. <i>Geophysical Research Letters</i> , 2015, 42, 6424-6431.	1.5	181
78	A more productive, but different, ocean after mitigation. <i>Geophysical Research Letters</i> , 2015, 42, 9836-9845.	1.5	22
79	Complex functionality with minimal computation: Promise and pitfalls of reduced-tracer ocean biogeochemistry models. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 2012-2028.	1.3	49
80	Drivers and uncertainties of future global marine primary production in marine ecosystem models. <i>Biogeosciences</i> , 2015, 12, 6955-6984.	1.3	252
81	Evaluating Southern Ocean biological production in two ocean biogeochemical models on daily to seasonal timescales using satellite chlorophyll and O <sub>2</sub> / Ar observations. <i>Biogeosciences</i> , 2015, 12, 681-695.	1.3	2
82	Evaluating the ocean biogeochemical components of Earth system models using atmospheric potential oxygen and ocean color data. <i>Biogeosciences</i> , 2015, 12, 193-208.	1.3	16
83	Corrigendum to "Evaluating the ocean biogeochemical components of Earth system models using atmospheric potential oxygen and ocean color data" published in <i>Biogeosciences</i> , 12, 193-208, 2015. <i>Biogeosciences</i> , 2015, 12, 2891-2891.	1.3	0
84	Tropical nighttime warming as a dominant driver of variability in the terrestrial carbon sink. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15591-15596.	3.3	92
85	Impacts on Ocean Heat from Transient Mesoscale Eddies in a Hierarchy of Climate Models. <i>Journal of Climate</i> , 2015, 28, 952-977.	1.2	292
86	Dominance of the Southern Ocean in Anthropogenic Carbon and Heat Uptake in CMIP5 Models. <i>Journal of Climate</i> , 2015, 28, 862-886.	1.2	432
87	Role of Mesoscale Eddies in Cross-Frontal Transport of Heat and Biogeochemical Tracers in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 3057-3081.	0.7	94
88	A roadmap on ecosystem change. <i>Nature Climate Change</i> , 2015, 5, 20-21.	8.1	3
89	Climate change impacts on leatherback turtle pelagic habitat in the Southeast Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 113, 260-267.	0.6	31
90	Trajectory sensitivity of the transient climate response to cumulative carbon emissions. <i>Geophysical Research Letters</i> , 2014, 41, 2520-2527.	1.5	41

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91	Air-sea CO <sub>2</sub> flux in the Pacific Ocean for the period 1990-2009. <i>Biogeosciences</i> , 2014, 11, 709-734.	1.3	68
92	Drivers of trophic amplification of ocean productivity trends in a changing climate. <i>Biogeosciences</i> , 2014, 11, 7125-7135.	1.3	86
93	Projected pH reductions by 2100 might put deep North Atlantic biodiversity at risk. <i>Biogeosciences</i> , 2014, 11, 6955-6967.	1.3	49
94	Group behavior among model bacteria influences particulate carbon remineralization depths. <i>Journal of Marine Research</i> , 2014, 72, 183-218.	0.3	21
95	Incorporating adaptive responses into future projections of coral bleaching. <i>Global Change Biology</i> , 2014, 20, 125-139.	4.2	203
96	Global-scale carbon and energy flows through the marine planktonic food web: An analysis with a coupled physical-biological model. <i>Progress in Oceanography</i> , 2014, 120, 1-28.	1.5	183
97	Connecting Atlantic temperature variability and biological cycling in two earth system models. <i>Journal of Marine Systems</i> , 2014, 133, 39-54.	0.9	12
98	Deconvolving the controls on the deep ocean's silicon stable isotope distribution. <i>Earth and Planetary Science Letters</i> , 2014, 398, 66-76.	1.8	37
99	Physical drivers of interannual chlorophyll variability in the eastern subtropical North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3871-3886.	1.0	30
100	Climate-induced primary productivity change and fishing impacts on the Central North Pacific ecosystem and Hawaii-based pelagic longline fishery. <i>Climatic Change</i> , 2013, 119, 79-93.	1.7	24
101	Shrinking of fishes exacerbates impacts of global ocean changes on marine ecosystems. <i>Nature Climate Change</i> , 2013, 3, 254-258.	8.1	527
102	Predicted habitat shifts of Pacific top predators in a changing climate. <i>Nature Climate Change</i> , 2013, 3, 234-238.	8.1	390
103	Reductions in labour capacity from heat stress under climate warming. <i>Nature Climate Change</i> , 2013, 3, 563-566.	8.1	407
104	Role of mode and intermediate waters in future ocean acidification: Analysis of CMIP5 models. <i>Geophysical Research Letters</i> , 2013, 40, 3091-3095.	1.5	31
105	A comparison of methods to determine phytoplankton bloom initiation. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2345-2357.	1.0	110
106	Evaluation of the Southern Ocean O <sub>2</sub> -based NCP estimates in a model framework. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 385-399.	1.3	45
107	GFDM's ESM2 Global Coupled Climate-Carbon Earth System Models. Part II: Carbon System Formulation and Baseline Simulation Characteristics*. <i>Journal of Climate</i> , 2013, 26, 2247-2267.	1.2	540
108	Sensitivity of Twenty-First-Century Global-Mean Steric Sea Level Rise to Ocean Model Formulation. <i>Journal of Climate</i> , 2013, 26, 2947-2956.	1.2	25

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109	Ecosystem size structure response to 21st century climate projection: large fish abundance decreases in the central North Pacific and increases in the California Current. <i>Global Change Biology</i> , 2013, 19, 724-733.	4.2	60
110	Future Arctic Ocean primary productivity from CMIP5 simulations: Uncertain outcome, but consistent mechanisms. <i>Global Biogeochemical Cycles</i> , 2013, 27, 605-619.	1.9	185
111	Oxygen and indicators of stress for marine life in multi-model global warming projections. <i>Biogeosciences</i> , 2013, 10, 1849-1868.	1.3	140
112	Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. <i>Biogeosciences</i> , 2013, 10, 6225-6245.	1.3	1,191
113	Factors challenging our ability to detect long-term trends in ocean chlorophyll. <i>Biogeosciences</i> , 2013, 10, 2711-2724.	1.3	79
114	GFDL's ESM2 Global Coupled Climate Carbon Earth System Models. Part I: Physical Formulation and Baseline Simulation Characteristics. <i>Journal of Climate</i> , 2012, 25, 6646-6665.	1.2	972
115	Climate versus emission drivers of methane lifetime against loss by tropospheric OH from 1860-2100. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 12021-12036.	1.9	54
116	Global calcite cycling constrained by sediment preservation controls. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	57
117	Data-based estimates of suboxia, denitrification, and N <sub>2</sub> O production in the ocean and their sensitivities to dissolved O <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	183
118	Understanding why the volume of suboxic waters does not increase over centuries of global warming in an Earth System Model. <i>Biogeosciences</i> , 2012, 9, 1159-1172.	1.3	62
119	Integrating ecophysiology and plankton dynamics into projected maximum fisheries catch potential under climate change in the Northeast Atlantic. <i>ICES Journal of Marine Science</i> , 2011, 68, 1008-1018.	1.2	253
120	Models of iron speciation and concentration in the stratified epipelagic ocean. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	3
121	A measured look at ocean chlorophyll trends. <i>Nature</i> , 2011, 472, E5-E6.	13.7	63
122	On the use of IPCC-class models to assess the impact of climate on Living Marine Resources. <i>Progress in Oceanography</i> , 2011, 58, 1-27.	1.5	272
123	What ocean biogeochemical models can tell us about bottom-up control of ecosystem variability. <i>ICES Journal of Marine Science</i> , 2011, 68, 1030-1044.	1.2	24
124	Projected expansion of the subtropical biome and contraction of the temperate and equatorial upwelling biomes in the North Pacific under global warming. <i>ICES Journal of Marine Science</i> , 2011, 68, 986-995.	1.2	140
125	Climate Variability and Radiocarbon in the CM2Mc Earth System Model. <i>Journal of Climate</i> , 2011, 24, 4230-4254.	1.2	88
126	Potential impacts of climate change on Northeast Pacific marine foodwebs and fisheries. <i>ICES Journal of Marine Science</i> , 2011, 68, 1217-1229.	1.2	159



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127	Regional impacts of iron-light colimitation in a global biogeochemical model. <i>Biogeosciences</i> , 2010, 7, 1043-1064.	1.3	152
128	Detection of anthropogenic climate change in satellite records of ocean chlorophyll and productivity. <i>Biogeosciences</i> , 2010, 7, 621-640.	1.3	360
129	Efficiency of small scale carbon mitigation by patch iron fertilization. <i>Biogeosciences</i> , 2010, 7, 3593-3624.	1.3	64
130	Challenges of modeling depth-integrated marine primary productivity over multiple decades: A case study at BATS and HOT. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	150
131	Simulations of underwater plumes of dissolved oil in the Gulf of Mexico. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	72
132	Enhanced nutrient supply to the California Current Ecosystem with global warming and increased stratification in an earth system model. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	163
133	Controls on the ratio of mesozooplankton production to primary production in marine ecosystems. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 95-112.	0.6	53
134	Assessing the uncertainties of model estimates of primary productivity in the tropical Pacific Ocean. <i>Journal of Marine Systems</i> , 2009, 76, 113-133.	0.9	212
135	Database-driven models of the world's Large Marine Ecosystems. <i>Ecological Modelling</i> , 2009, 220, 1984-1996.	1.2	71
136	Decadal variability in biogeochemical models: Comparison with a 50-year ocean colour dataset. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	20
137	Correction to "Using altimetry to help explain patchy changes in hydrographic carbon measurements". <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	0
138	Decadal variability in North Atlantic phytoplankton blooms. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	224
139	Using altimetry to help explain patchy changes in hydrographic carbon measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	14
140	Neutral aldoses as source indicators for marine snow. <i>Marine Chemistry</i> , 2008, 108, 195-206.	0.9	29
141	A synthesis of global particle export from the surface ocean and cycling through the ocean interior and on the seafloor. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	464
142	Assessment of skill and portability in regional marine biogeochemical models: Role of multiple planktonic groups. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	215
143	Impact of ocean color on the maintenance of the Pacific Cold Tongue. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	53
144	Spatial coupling of nitrogen inputs and losses in the ocean. <i>Nature</i> , 2007, 445, 163-167.	13.7	618

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145	Spatial coupling of nitrogen inputs and losses in the ocean. <i>Nature</i> , 2007, 445, 163-167.	13.7	379
146	Diagnosing the contribution of phytoplankton functional groups to the production and export of particulate organic carbon, CaCO <sub>3</sub> , and opal from global nutrient and alkalinity distributions. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	199
147	A comparison of global estimates of marine primary production from ocean color. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 741-770.	0.6	574
148	GFDL's CM2 Global Coupled Climate Models. Part II: The Baseline Ocean Simulation. <i>Journal of Climate</i> , 2006, 19, 675-697.	1.2	269
149	Organic carbon to <sup>234</sup> Th ratios of marine organic matter. <i>Marine Chemistry</i> , 2006, 100, 323-336.	0.9	50
150	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. <i>Journal of Climate</i> , 2006, 19, 643-674.	1.2	1,431
151	Formulation of an ocean model for global climate simulations. <i>Ocean Science</i> , 2005, 1, 45-79.	1.3	343
152	<sup>234</sup> Th, <sup>210</sup> Pb, <sup>210</sup> Po and stable Pb in the central equatorial Pacific: Tracers for particle cycling. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 2109-2139.	0.6	83
153	Empirical and mechanistic models for the particle export ratio. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	353
154	High-latitude controls of thermocline nutrients and low latitude biological productivity. <i>Nature</i> , 2004, 427, 56-60.	13.7	1,090
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