

John Klinck

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

5,654
citations

57758

44
h-index

88630

70
g-index

123
all docs

123
docs citations

123
times ranked

4039
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability and Dynamics of Along-Shore Exchange on the West Antarctic Peninsula (WAP) Continental Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	12
2	Subsurface Eddy Facilitates Retention of Simulated Diel Vertical Migrators in a Biological Hotspot. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	5
3	The Atlantic surfclam fishery and offshore wind energy development: 2. Assessing economic impacts. <i>ICES Journal of Marine Science</i> , 2022, 79, 1801-1814.	2.5	13
4	The Atlantic surfclam fishery and offshore wind energy development: 1. Model development and verification. <i>ICES Journal of Marine Science</i> , 2022, 79, 1787-1800.	2.5	8
5	Eddy-Driven Transport of Particulate Organic Carbon-Rich Coastal Water Off the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016791.	2.6	4
6	Data-driven reconstruction reveals large-scale ocean circulation control on coastal sea level. <i>Nature Climate Change</i> , 2021, 11, 514-520.	18.8	40
7	Understanding controls on <i>Margalefidinium polykrikoides</i> blooms in the lower Chesapeake Bay. <i>Harmful Algae</i> , 2021, 107, 102064.	4.8	7
8	A Recirculating Eddy Promotes Subsurface Particle Retention in an Antarctic Biological Hotspot. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017304.	2.6	8
9	Spillover of sea scallops from rotational closures in the Mid-Atlantic Bight (United States). <i>ICES Journal of Marine Science</i> , 2020, 77, 1992-2002.	2.5	8
10	The "Challenge" of Depletion: Why the Oyster Fishery is not Self-Regulating. <i>Journal of Shellfish Research</i> , 2020, 39, 291.	0.9	1
11	Modeling Ocean Eddies on Antarctica's Cold Water Continental Shelves and Their Effects on Ice Shelf Basal Melting. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5067-5084.	2.6	14
12	Hydrographic variability along the inner and mid-shelf region of the western Ross Sea obtained using instrumented seals. <i>Progress in Oceanography</i> , 2019, 174, 131-142.	3.2	12
13	Project SWARM: The application of an integrated polar ocean observing system to map the physical mechanisms driving food web focusing in an Antarctic biological hotspot. , 2019, , .		0
14	The effect of abundance changes on a management strategy evaluation for the Atlantic surfclam (<i>Spisula solidissima</i>) using a spatially explicit, vessel-based fisheries model. <i>Ocean and Coastal Management</i> , 2019, 169, 68-85.	4.4	4
15	Effects of Projected Changes in Wind, Atmospheric Temperature, and Freshwater Inflow on the Ross Sea. <i>Journal of Climate</i> , 2018, 31, 1619-1635.	3.2	26
16	An Overview of Factors Affecting Distribution of the Atlantic Surfclam (<i>Spisula solidissima</i>), a Continental Shelf Biomass Dominant, During a Period of Climate Change. <i>Journal of Shellfish Research</i> , 2018, 37, 821-831.	0.9	22
17	Oysters, Sustainability, Management Models, and the World of Reference Points. <i>Journal of Shellfish Research</i> , 2018, 37, 833-849.	0.9	12
18	Modeling larval dispersal and connectivity for Atlantic sea scallop (<i>Placopecten magellanicus</i>) in the Middle Atlantic Bight. <i>Fisheries Research</i> , 2018, 208, 7-15.	1.7	10

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19	Development of an Age- ² Frequency Distribution for Ocean Quahogs (<i>Arctica islandica</i>) on Georges Bank. <i>Journal of Shellfish Research</i> , 2017, 36, 41-53.	0.9	22
20	Dissolved iron transport pathways in the Ross Sea: Influence of tides and horizontal resolution in a regional ocean model. <i>Journal of Marine Systems</i> , 2017, 166, 73-86.	2.1	25
21	Modeling the transmission of <i>Perkinsus marinus</i> in the Eastern oyster <i>Crassostrea virginica</i> . <i>Fisheries Research</i> , 2017, 186, 82-93.	1.7	27
22	Processes influencing formation of low-salinity high-biomass lenses near the edge of the Ross Ice Shelf. <i>Journal of Marine Systems</i> , 2017, 166, 108-119.	2.1	20
23	Distributions of krill and Antarctic silverfish and correlations with environmental variables in the western Ross Sea, Antarctica. <i>Marine Ecology - Progress Series</i> , 2017, 584, 45-65.	1.9	39
24	Management strategy evaluation for the Atlantic surfclam (<i>Spisula solidissima</i>) using a spatially explicit, vessel-based fisheries model. <i>Fishery Bulletin</i> , 2017, 115, 300-325.	0.2	9
25	Marine infectious disease dynamics and outbreak thresholds: contact transmission, pandemic infection, and the potential role of filter feeders. <i>Ecosphere</i> , 2016, 7, e01286.	2.2	24
26	Captains' response to a declining stock as anticipated in the surfclam (<i>Spisula solidissima</i>) fishery on the U.S. Mid-Atlantic coast by model evaluation. <i>Ocean and Coastal Management</i> , 2016, 134, 52-68.	4.4	12
27	Impact of model resolution for on-shelf heat transport along the West Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7880-7897.	2.6	45
28	Fishing and bottom water temperature as drivers of change in maximum shell length in Atlantic surfclams (<i>Spisula solidissima</i>). <i>Estuarine, Coastal and Shelf Science</i> , 2016, 170, 112-122.	2.1	42
29	Microparasitic disease dynamics in benthic suspension feeders: Infective dose, non-focal hosts, and particle diffusion. <i>Ecological Modelling</i> , 2016, 328, 44-61.	2.5	21
30	Iron supply and demand in an Antarctic shelf ecosystem. <i>Geophysical Research Letters</i> , 2015, 42, 8088-8097.	4.0	73
31	The Effect of Atmospheric Forcing Resolution on Delivery of Ocean Heat to the Antarctic Floating Ice Shelves*,+. <i>Journal of Climate</i> , 2015, 28, 6067-6085.	3.2	35
32	Impact of local winter cooling on the melt of Pine Island Glacier, Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6718-6732.	2.6	61
33	Modeling larval connectivity of the Atlantic surfclams within the Middle Atlantic Bight: Model development, larval dispersal and metapopulation connectivity. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 153, 38-53.	2.1	34
34	Long-term dynamics in Atlantic surfclam (<i>Spisula solidissima</i>) populations: The role of bottom water temperature. <i>Journal of Marine Systems</i> , 2015, 141, 136-148.	2.1	51
35	Outcomes of asymmetric selection pressure and larval dispersal on evolution of disease resistance: a metapopulation modeling study with oysters. <i>Marine Ecology - Progress Series</i> , 2015, 531, 221-239.	1.9	14
36	The effects of changing winds and temperatures on the oceanography of the Ross Sea in the 21st century. <i>Geophysical Research Letters</i> , 2014, 41, 1624-1631.	4.0	63

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37	A modelling study of the role of marine protected areas in metapopulation genetic connectivity in Delaware Bay oysters. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 645-666.	2.0	9
38	Estimating Sustainable Harvests of Eastern Oysters, <i>Crassostrea virginica</i> . <i>Journal of Shellfish Research</i> , 2014, 33, 381-394.	0.9	20
39	A theoretical individual-based model of Brown Ring Disease in Manila clams, <i>Venerupis philippinarum</i> . <i>Journal of Sea Research</i> , 2014, 91, 15-34.	1.6	15
40	On the Role of Coastal Troughs in the Circulation of Warm Circumpolar Deep Water on Antarctic Shelves. <i>Journal of Physical Oceanography</i> , 2013, 43, 51-64.	1.7	122
41	Modeling environmental controls on the transport and fate of early life stages of Antarctic krill (<i>Euphausia superba</i>) on the western Antarctic Peninsula continental shelf. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 82, 17-31.	1.4	19
42	How do shellfisheries influence genetic connectivity in metapopulations? A modeling study examining the role of lower size limits in oyster fisheries. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 1813-1828.	1.4	8
43	Underestimation of primary productivity on continental shelves: evidence from maximum size of extant surfclam <i>Spisula solidissima</i> populations. <i>Fisheries Oceanography</i> , 2013, 22, 220-233.	1.7	49
44	Extracting tidal variability of sea ice concentration from AMSR-E passive microwave single-swath data: a case study of the Ross Sea. <i>Geophysical Research Letters</i> , 2013, 40, 547-552.	4.0	13
45	Modeling the remote and local connectivity of Antarctic krill populations along the western Antarctic Peninsula. <i>Marine Ecology - Progress Series</i> , 2013, 481, 69-92.	1.9	52
46	Sensitivity of Circumpolar Deep Water Transport and Ice Shelf Basal Melt along the West Antarctic Peninsula to Changes in the Winds. <i>Journal of Climate</i> , 2012, 25, 4799-4816.	3.2	112
47	Circulation and behavior controls on dispersal of eastern oyster (<i>Crassostrea virginica</i>) larvae in Delaware Bay. <i>Journal of Marine Research</i> , 2012, 70, 411-440.	0.3	26
48	Developing integrated models of Southern Ocean food webs: Including ecological complexity, accounting for uncertainty and the importance of scale. <i>Progress in Oceanography</i> , 2012, 102, 74-92.	3.2	79
49	A Shell-Neutral Modeling Approach Yields Sustainable Oyster Harvest Estimates: A Retrospective Analysis of the Louisiana State Primary Seed Grounds. <i>Journal of Shellfish Research</i> , 2012, 31, 1103-1112.	0.9	31
50	Understanding the Success and Failure of Oyster Populations: Periodicities of <i>Perkinsus marinus</i> , and Oyster Recruitment, Mortality, and Size. <i>Journal of Shellfish Research</i> , 2012, 31, 635-646.	0.9	29
51	The rise and fall of <i>Crassostrea virginica</i> oyster reefs: The role of disease and fishing in their demise and a vignette on their management. <i>Journal of Marine Research</i> , 2012, 70, 505-558.	0.3	55
52	Modeling the dispersal of eastern oyster (<i>Crassostrea virginica</i>) larvae in Delaware Bay. <i>Journal of Marine Research</i> , 2012, 70, 381-409.	0.3	39
53	Can oysters <i>Crassostrea virginica</i> develop resistance to dermo disease in the field: The impediment posed by climate cycles. <i>Journal of Marine Research</i> , 2012, 70, 309-355.	0.3	19
54	The role of larval dispersal in metapopulation gene flow: Local population dynamics matter. <i>Journal of Marine Research</i> , 2012, 70, 441-467.	0.3	31

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55	The Potential for Oysters, <i>Crassostrea virginica</i> , to Develop Resistance to Dermo Disease in the Field: Evaluation using a Gene-Based Population Dynamics Model. <i>Journal of Shellfish Research</i> , 2011, 30, 685-712.	0.9	29
56	Application of a Gene-Based Population Dynamics Model to the Optimal Egg Size Problem: Why Do Bivalve Planktotrophic Eggs Vary in Size?. <i>Journal of Shellfish Research</i> , 2011, 30, 403-423.	0.9	13
57	Lagrangian simulation of transport pathways and residence times along the western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1524-1539.	1.4	51
58	A model study of Circumpolar Deep Water on the West Antarctic Peninsula and Ross Sea continental shelves. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1508-1523.	1.4	185
59	Generation time and the stability of sex-determining alleles in oyster populations as deduced using a gene-based population dynamics model. <i>Journal of Theoretical Biology</i> , 2011, 271, 27-43.	1.7	21
60	Exchange across the shelf break at high southern latitudes. <i>Ocean Science</i> , 2010, 6, 513-524.	3.4	49
61	Hydrographic control of the marine ecosystem in the South Shetland-Elephant Island and Bransfield Strait region. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 519-542.	1.4	52
62	Understanding How Disease and Environment Combine to Structure Resistance in Estuarine Bivalve Populations. <i>Oceanography</i> , 2009, 22, 212-231.	1.0	39
63	ENSO and variability of the Antarctic Peninsula pelagic marine ecosystem. <i>Antarctic Science</i> , 2009, 21, 135-148.	0.9	97
64	Differential modulation of eastern oyster (<i>Crassostrea virginica</i>) disease parasites by the El-Niño-Southern Oscillation and the North Atlantic Oscillation. <i>International Journal of Earth Sciences</i> , 2009, 98, 99-114.	1.8	52
65	Estimation of shelf-slope exchanges induced by frontal instability near submarine canyons. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
66	Upper ocean variability in west Antarctic Peninsula continental shelf waters as measured using instrumented seals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 323-337.	1.4	64
67	The effect of Antarctic Circumpolar Current transport on the frontal variability in Drake Passage. <i>Dynamics of Atmospheres and Oceans</i> , 2008, 45, 208-228.	1.8	6
68	Effects of the Fishery on the Northern Quahog (=Hard Clam, <i>Mercenaria mercenaria</i> L.) Population in Great South Bay, New York: A Modeling Study. <i>Journal of Shellfish Research</i> , 2008, 27, 653-666.	0.9	23
69	BENTHIC PREDATORS AND NORTHERN QUAHOG (=HARD CLAM) (<i>MERCENARIA MERCENARIA</i> LINNAEUS, 1758) POPULATIONS. <i>Journal of Shellfish Research</i> , 2007, 26, 995-1010.	0.9	15
70	Ecophysiological dynamic model of individual growth of <i>Ruditapes philippinarum</i> . <i>Aquaculture</i> , 2007, 266, 130-143.	3.5	35
71	IS OYSTER SHELL A SUSTAINABLE ESTUARINE RESOURCE?. <i>Journal of Shellfish Research</i> , 2007, 26, 181-194.	0.9	79
72	Influence of sea ice cover and icebergs on circulation and water mass formation in a numerical circulation model of the Ross Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	111

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73	Transport of Antarctic krill (<i>Euphausia superba</i>) across the Scotia Sea. Part I: Circulation and particle tracking simulations. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 987-1010.	1.4	49
74	UNDERSTANDING THE SUCCESS AND FAILURE OF OYSTER POPULATIONS: CLIMATIC CYCLES AND PERKINSUS MARINUS. <i>Journal of Shellfish Research</i> , 2006, 25, 83-93.	0.9	31
75	A POPULATION DYNAMICS MODEL OF THE HARD CLAM, <i>MERCENARIA MERCENARIA</i> : DEVELOPMENT OF THE AGE- AND LENGTH-FREQUENCY STRUCTURE OF THE POPULATION. <i>Journal of Shellfish Research</i> , 2006, 25, 417-444.	0.9	49
76	The role of feeding behavior in sustaining copepod populations in the tropical ocean. <i>Journal of Plankton Research</i> , 2005, 27, 1013-1031.	1.8	23
77	Influence of short-term variations in food on survival of <i>Crassostrea gigas</i> larvae: A modeling study. <i>Journal of Marine Research</i> , 2004, 62, 117-152.	0.3	11
78	Physical forcing of phytoplankton community structure and primary production in continental shelf waters of the Western Antarctic Peninsula. <i>Journal of Marine Research</i> , 2004, 62, 419-460.	0.3	99
79	A modelling study of the influence of environment and food supply on survival of <i>Crassostrea gigas</i> larvae. <i>ICES Journal of Marine Science</i> , 2004, 61, 596-616.	2.5	24
80	A model study of circulation and cross-shelf exchange on the west Antarctic Peninsula continental shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 2003-2022.	1.4	117
81	Water-mass properties and circulation on the west Antarctic Peninsula Continental Shelf in Austral Fall and Winter 2001. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1925-1946.	1.4	154
82	Lagrangian modelling studies of Antarctic krill (<i>Euphausia superba</i>) swarm formation. <i>ICES Journal of Marine Science</i> , 2004, 61, 617-631.	2.5	57
83	Influence of Water Allocation and Freshwater Inflow on Oyster Production: A Hydrodynamic-Oyster Population Model for Galveston Bay, Texas, USA. <i>Environmental Management</i> , 2003, 31, 100-121.	2.7	44
84	On vertical advection truncation errors in terrain-following numerical models: Comparison to a laboratory model for upwelling over submarine canyons. <i>Journal of Geophysical Research</i> , 2003, 108, 3-1.	3.3	35
85	Biogeochemical climatologies in the Ross Sea, Antarctica: seasonal patterns of nutrients and biomass. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 3083-3101.	1.4	45
86	Cross-shelf exchange in a model of the Ross Sea circulation and biogeochemistry. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 3103-3120.	1.4	131
87	Influence of food quality and quantity on the growth and development of <i>Crassostrea gigas</i> larvae: a modeling approach. <i>Aquaculture</i> , 2002, 210, 89-117.	3.5	47
88	Water properties on the west Antarctic Peninsula continental shelf: a model study of effects of surface fluxes and sea ice. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 4863-4886.	1.4	50
89	Title is missing!. <i>Environmental Modeling and Assessment</i> , 2002, 7, 273-289.	2.2	25
90	U.S. Southern Ocean Global Ecosystems Dynamics Program. <i>Oceanography</i> , 2002, 15, 64-74.	1.0	43

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91	The effect of food composition on Pacific oyster <i>Crassostrea gigas</i> (Thunberg) growth in Korea: a modeling study. <i>Aquaculture</i> , 2001, 199, 41-62.	3.5	54
92	Title is missing!. <i>Hydrobiologia</i> , 2001, 460, 195-212.	2.0	50
93	Modeling studies of the effect of climate variability on MSX disease in eastern oyster (<i>Crassostrea</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 10		
94	The linkage between Upper Circumpolar Deep Water (UCDW) and phytoplankton assemblages on the west Antarctic Peninsula continental shelf. <i>Journal of Marine Research</i> , 2000, 58, 165-202.	0.3	216
95	Quantifying the Effects of Environmental Change on an Oyster Population: A Modeling Study. <i>Estuaries and Coasts</i> , 2000, 23, 593.	1.7	64
96	Flow near submarine canyons driven by constant winds. <i>Journal of Geophysical Research</i> , 2000, 105, 28671-28694.	3.3	86
97	Hydrography and circulation of the West Antarctic Peninsula Continental Shelf. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 925-949.	1.4	184
98	The Relationship Between Increasing Sea-surface Temperature and the Northward Spread of <i>Perkinsus marinus</i> (Dermo) Disease Epizootics in Oysters. <i>Estuarine, Coastal and Shelf Science</i> , 1998, 46, 587-597.	2.1	148
99	Varying the timing of oyster transplant: implications for management from simulation studies. <i>Fisheries Oceanography</i> , 1998, 6, 213-237.	1.7	37
100	Heat and salt changes on the continental shelf west of the Antarctic Peninsula between January 1993 and January 1994. <i>Journal of Geophysical Research</i> , 1998, 103, 7617-7636.	3.3	70
101	Krill transport in the Scotia Sea and environs. <i>Antarctic Science</i> , 1998, 10, 406-415.	0.9	143
102	A modeling study of the effects of size- and depth-dependent predation on larval survival. <i>Journal of Plankton Research</i> , 1997, 19, 1583-1598.	1.8	27
103	A population dynamics model for the Japanese oyster, <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 1997, 149, 285-321.	3.5	102
104	Circulation near submarine canyons: A modeling study. <i>Journal of Geophysical Research</i> , 1996, 101, 1211-1223.	3.3	164
105	Inflows/outflows at the transition between a coastal plain estuary and the coastal ocean. <i>Continental Shelf Research</i> , 1996, 16, 1819-1847.	1.8	31
106	Water mass distribution and circulation west of the Antarctic Peninsula and including Bransfield Strait. <i>Antarctic Research Series</i> , 1996, , 61-80.	0.2	133
107	Modeling oyster populations. V. Declining phytoplankton stocks and the population dynamics of American oyster (<i>Crassostrea virginica</i>) populations. <i>Fisheries Research</i> , 1995, 24, 199-222.	1.7	63
108	Effect of wind changes during the Last Glacial Maximum on the circulation in the Southern Ocean. <i>Paleoceanography</i> , 1993, 8, 427-433.	3.0	33

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109	Effects of wind, density, and bathymetry on a one-layer southern ocean model. <i>Journal of Geophysical Research</i> , 1992, 97, 20179-20189.	3.3	5
110	Self- and mutual shading and competition effect on competing algal distributions: Biological implications of the model. <i>Ecological Modelling</i> , 1991, 59, 11-36.	2.5	5
111	Vorticity Dynamics of Seasonal Variations of the Antarctic Circumpolar Current from a Modeling Study. <i>Journal of Physical Oceanography</i> , 1991, 21, 1515-1533.	1.7	9
112	The physics of the Antarctic Circumpolar Current. <i>Reviews of Geophysics</i> , 1986, 24, 469-491.	23.0	341
113	Deep-Flow Variability at Drake Passage. <i>Journal of Physical Oceanography</i> , 1986, 16, 1281-1292.	1.7	4
114	EOF Analysis of Central Drake Passage Currents from DRAKE 79. <i>Journal of Physical Oceanography</i> , 1985, 15, 288-298.	1.7	31
115	Concentrations and vertical fluxes of zooplankton fecal pellets on a continental shelf. <i>Marine Biology</i> , 1981, 61, 327-335.	1.5	62
116	A time-dependent model of nutrient distribution in continental shelf waters. <i>Ecological Modelling</i> , 1980, 10, 193-214.	2.5	17
117	Thermohaline Variability of the Waters Overlying The West Antarctic Peninsula Continental Shelf. <i>Antarctic Research Series</i> , 0, , 67-81.	0.2	30
118	The Value of Captains' Behavioral Choices in the Success of the Surfclam (<i>Spisula solidissima</i>) Fishery on the U.S. Mid-Atlantic Coast: a Model Evaluation.. <i>Journal of Northwest Atlantic Fishery Science</i> , 0, 47, 1-27.	1.4	15