Albert J Hermann

List of Publications by Year
in descending order

35 papers	997 citations	394421 19 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	1088 citing authors

#	Article	IF	Citations
1	Results from a three-dimensional, nested biological-physical model of the California Current System and comparisons with statistics from satellite imagery. Journal of Geophysical Research, 2006, 111, .	3.3	88
2	Multi-scale modeling of the North Pacific Ocean: Assessment and analysis of simulated basin-scale variability (1996â€“2003). Journal of Geophysical Research, 2005, 110, .	3.3	69
3	Projected future biophysical states of the Bering Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 134, 30-47.	1.4	61
4	Seasonal-to-interannual prediction of North American coastal marine ecosystems: Forecast methods, mechanisms of predictability, and priority developments. Progress in Oceanography, 2020, 183, 102307.	3.2	61
5	Integrated Modeling to Evaluate Climate Change Impacts on Coupled Social-Ecological Systems in Alaska. Frontiers in Marine Science, 2020, 6, .	2.5	59
6	A comparison of remote vs. local influence of El NiÃ±o on the coastal circulation of the northeast Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2427-2443.	1.4	57
7	Interannual variability of the early life history of walleye pollock near Shelikof Strait as inferred from a spatially explicit, individualâ€based model. Fisheries Oceanography, 1996, 5, 39-57.	1.7	50
8	Experimental manipulation of nutrients and water in a freshwater marsh: Effects on biomass, decomposition, and nutrient accumulation. Limnology and Oceanography, 1985, 30, 500-512.	3.1	43
9	Quantifying cross-shelf and vertical nutrient flux in the Coastal Gulf of Alaska with a spatially nested, coupled biophysical model. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2474-2486.	1.4	43
10	Nonlinear Rossby adjustment in a channel: beyond Kelvin waves. Journal of Fluid Mechanics, 1989, 205, 469.	3.4	40
11	Ensemble Projections of Future Climate Change Impacts on the Eastern Bering Sea Food Web Using a Multispecies Size Spectrum Model. Frontiers in Marine Science, 2020, 7, .	2.5	36
12	Model and field observations of effects of circulation on the timing and magnitude of nitrate utilization and production on the northern Gulf of Alaska shelf. Progress in Oceanography, 2012, 103, 16-41.	3.2	34
13	Traitâ€based climate vulnerability assessments in dataâ€rich systems: An application to eastern Bering Sea fish and invertebrate stocks. Global Change Biology, 2019, 25, 3954-3971.	9.5	34
14	Climate to fish: Synthesizing field work, data and models in a 39-year retrospective analysis of seasonal processes on the eastern Bering Sea shelf and slope. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 134, 390-412.	1.4	32
15	Observational Needs Supporting Marine Ecosystems Modeling and Forecasting: From the Global Ocean to Regional and Coastal Systems. Frontiers in Marine Science, 2019, 6, .	2.5	32
16	Modeled Effect of Coastal Biogeochemical Processes, Climate Variability, and Ocean Acidification on Aragonite Saturation State in the Bering Sea. Frontiers in Marine Science, 2019, 5, .	2.5	30
17	Modeled transport of freshwater from a line-source in the coastal Gulf of Alaska. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2409-2426.	1.4	29
18	Physical transport of young pollock larvae (Theragra chalcogramma) near Shelikof Strait as inferred from a hydrodynamic model. Fisheries Oceanography, 1996, 5, 58-70.	1.7	28

#	Article	IF	Citations
19	The Importance of Freshwater to Spatial Variability of Aragonite Saturation State in the Gulf of Alaska. Journal of Geophysical Research: Oceans, 2017, 122, 8482-8502.	2.6	21
20	Macro- and micro-nutrient flux to a highly productive submarine bank in the Gulf of Alaska: A model-based analysis of daily and interannual variability. Progress in Oceanography, 2012, 101, 63-77.	3.2	18
21	Early life history phenology among Gulf of Alaska fish species: Strategies, synchronies, and sensitivities. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 165, 41-73.	1.4	17
22	Climate change and the future productivity and distribution of crab in the Bering Sea. ICES Journal of Marine Science, 2021, 78, 502-515.	2.5	17
23	Predicted shifts of groundfish distribution in the Eastern Bering Sea under climate change, with implications for fish populations and fisheries management. ICES Journal of Marine Science, 2021, 78, 220-234.	2.5	14
24	Running the gauntlet: Connectivity between spawning and nursery areas for arrowtooth flounder (Atheresthes stomias) in the Gulf of Alaska, as inferred from a biophysical individual-based model. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 165, 127-139.	1.4	13
25	Running the gauntlet: Connectivity between natal and nursery areas for Pacific ocean perch (Sebastes) Tj ETQq1 1 0.784314 rgBT /Over Part II: Topical Studies in Oceanography, 2019, 165, 74-88.	1.4	12
26	Bottomâ€“Up Impacts of Forecasted Climate Change on the Eastern Bering Sea Food Web. Frontiers in Marine Science, 2021, 8, .	2.5	12
27	Simulated Impact of Glacial Runoff on CO 2 Uptake in the Gulf of Alaska. Geophysical Research Letters, 2018, 45, 880-890.	4.0	8
28	Coupled modes of projected regional change in the Bering Sea from a dynamically downscaling model under CMIP6 forcing. Deep-Sea Research Part II: Topical Studies in Oceanography, 2021, 194, 104974.	1.4	8
29	Projected biophysical conditions of the Bering Sea to 2100 under multiple emission scenarios. ICES Journal of Marine Science, 0, , .	2.5	7
30	Evaluating the impact of climate and demographic variation on future prospects for fish stocks: An application for northern rock sole in Alaska. Deep-Sea Research Part II: Topical Studies in Oceanography, 2021, 189-190, 104951.	1.4	6
31	Eastern Bering Sea shelf environmental and lower trophic level responses to climate forcing: Results of dynamical downscaling from CMIP6. Deep-Sea Research Part II: Topical Studies in Oceanography, 2021, 193, 104975.	1.4	6
32	Red king crab larval advection in Bristol Bay: Implications for recruitment variability. Fisheries Oceanography, 2020, 29, 505-525.	1.7	4
33	Modeling in an integrated ecosystem research framework to explore recruitment in Gulf of Alaska groundfish â€“ Applications to management and lessons learned. Deep-Sea Research Part II: Topical Studies in Oceanography, 2022, 197, 105048.	1.4	4
34	Visualization in Fisheries Oceanography: New Approaches for the Rapid Exploration of Coastal Ecosystems. , 2009, , 317-336.		2
35	Differential northâ€“south response of juvenile Chinook salmon (Oncorhynchus tshawytscha) marine growth to ecosystem change in the eastern Bering Sea, 1974â€“2010. ICES Journal of Marine Science, 0, , .	2.5	2