

# Neil Banas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3301997/publications.pdf>

Version: 2024-02-01

40  
papers

2,239  
citations

279701

23  
h-index

315616

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oceanography of the U.S. Pacific Northwest Coastal Ocean and estuaries with application to coastal ecology. <i>Estuaries and Coasts</i> , 2003, 26, 1010-1031.	1.7	315
2	Why is the Northern End of the California Current System So Productive?. <i>Oceanography</i> , 2008, 21, 90-107.	0.5	171
3	A model study of tide- and wind-induced mixing in the Columbia River Estuary and plume. <i>Continental Shelf Research</i> , 2009, 29, 278-291.	0.9	146
4	River Influences on Shelf Ecosystems: Introduction and synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	135
5	Dynamics of Willapa Bay, Washington: A Highly Unsteady, Partially Mixed Estuary. <i>Journal of Physical Oceanography</i> , 2004, 34, 2413-2427.	0.7	134
6	A Model Study of the Salish Sea Estuarine Circulation*. <i>Journal of Physical Oceanography</i> , 2011, 41, 1125-1143.	0.7	131
7	The Columbia River plume as cross-shelf exporter and along-coast barrier. <i>Continental Shelf Research</i> , 2009, 29, 292-301.	0.9	89
8	Hindcasts of potential harmful algal bloom transport pathways on the Pacific Northwest coast. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2439-2461.	1.0	82
9	Tidal exchange, bivalve grazing, and patterns of primary production in Willapa Bay, Washington, USA. <i>Marine Ecology - Progress Series</i> , 2007, 341, 123-139.	0.9	82
10	Pelagic food-webs in a changing Arctic: a trait-based perspective suggests a mode of resilience. <i>ICES Journal of Marine Science</i> , 2018, 75, 1871-1881.	1.2	76
11	Adding complex trophic interactions to a size-spectral plankton model: Emergent diversity patterns and limits on predictability. <i>Ecological Modelling</i> , 2011, 222, 2663-2675.	1.2	75
12	Mapping exchange and residence time in a model of Willapa Bay, Washington, a branching, macrotidal estuary. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	74
13	Seasonal and interannual oxygen variability on the Washington and Oregon continental shelves. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 608-633.	1.0	72
14	Estuary-enhanced upwelling of marine nutrients fuels coastal productivity in the U.S. Pacific Northwest. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8778-8799.	1.0	65
15	New Insights into the Controls and Mechanisms of Plankton Productivity in Coastal Upwelling Waters of the Northern California Current System. <i>Oceanography</i> , 2008, 21, 46-59.	0.5	61
16	Evaluation of a coastal ocean circulation model for the Columbia River plume in summer 2004. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	60
17	Green Crab Larval Retention in Willapa Bay, Washington: An Intensive Lagrangian Modeling Approach. <i>Estuaries and Coasts</i> , 2009, 32, 893-905.	1.0	48
18	Present-day and future climate pathways affecting Alexandrium blooms in Puget Sound, WA, USA. <i>Harmful Algae</i> , 2015, 48, 1-11.	2.2	45

#	ARTICLE	IF	CITATIONS
19	Estuarine Circulation, Mixing, and Residence Times in the Salish Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016738.	1.0	41
20	Sea ice decline drives biogeographical shifts of key <i>Calanus</i> species in the central Arctic Ocean. <i>Global Change Biology</i> , 2021, 27, 2128-2143.	4.2	38
21	Multiple trophic levels fueled by recirculation in the Columbia River plume. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	36
22	Patterns of River Influence and Connectivity Among Subbasins of Puget Sound, with Application to Bacterial and Nutrient Loading. <i>Estuaries and Coasts</i> , 2015, 38, 735-753.	1.0	30
23	Can a key boreal <i>Calanus</i> copepod species now complete its life-cycle in the Arctic? Evidence and implications for Arctic food-webs. <i>Ambio</i> , 2022, 51, 333-344.	2.8	30
24	A marine zooplankton community vertically structured by light across diel to interannual timescales. <i>Biology Letters</i> , 2021, 17, 20200810.	1.0	27
25	Copepod Life Strategy and Population Viability in Response to Prey Timing and Temperature: Testing a New Model across Latitude, Time, and the Size Spectrum. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	26
26	Projected impacts of 21st century climate change on diapause in <i>Calanus finmarchicus</i> . <i>Global Change Biology</i> , 2016, 22, 3332-3340.	4.2	26
27	Eat or Sleep: Availability of Winter Prey Explains Mid-Winter and Spring Activity in an Arctic <i>Calanus</i> Population. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	25
28	Planktonic growth and grazing in the Columbia River plume region: A biophysical model study. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	23
29	GlobalHAB: A New Program to Promote International Research, Observations, and Modeling of Harmful Algal Blooms in Aquatic Systems. <i>Oceanography</i> , 2017, 30, 70-81.	0.5	21
30	Spring plankton dynamics in the Eastern Bering Sea, 1971â€“2050: Mechanisms of interannual variability diagnosed with a numerical model. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1476-1501.	1.0	11
31	A surface ocean trajectories visualization tool and its initial application to the Galician coast. <i>Environmental Modelling and Software</i> , 2015, 66, 12-16.	1.9	8
32	Estimating behavior in a black box: how coastal oceanographic dynamics influence yearling Chinook salmon marine growth and migration behaviors. <i>Environmental Biology of Fishes</i> , 2016, 99, 671-686.	0.4	8
33	The Effect of Alongcoast Advection on Pacific Northwest Shelf and Slope Water Properties in Relation to Upwelling Variability. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 265-286.	1.0	8
34	Multi-day water residence time as a mechanism for physical and biological gradients across intertidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 227, 106303.	0.9	8
35	GlobalHAB: Fostering International Coordination on Harmful Algal Bloom Research in Aquatic Systems. <i>Ecological Studies</i> , 2018, , 425-447.	0.4	7
36	Linking Chlorophyll Concentration and Wind Patterns Using Satellite Data in the Central and Northern California Current System. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	2

#	ARTICLE	IF	CITATIONS
37	Experimental Validation of an Individual-Based Model for Zooplankton Swarming. , 2003, , 161-180.		1
38	GlobalHAB: A New Program to Promote International Research, Observations, and Modeling of Harmful Algal Blooms in Aquatic Systems. Oceanography, 2017, 30, 70-81.	0.5	1
39	Spatio-temporal variation in the zooplankton prey of lesser sandeels: species and community trait patterns from the Continuous Plankton Recorder. ICES Journal of Marine Science, 2022, 79, 1649-1661.	1.2	1
40	Correction to "Planktonic growth and grazing in the Columbia River plume region: A biophysical model study" Journal of Geophysical Research, 2009, 114, .	3.3	0