

# P Michael Kosro

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,791  
citations

87888

38  
h-index

123424

61  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between ocean ecosystem indicators and year class strength of the invasive European green crab ( <i>Carcinus maenas</i> ). <i>Progress in Oceanography</i> , 2021, 196, 102618.	3.2	6
2	Ensemble 4DVAR (En4DVar) data assimilation in a coastal ocean circulation model. Part II: Implementation offshore Oregonâ€“Washington, USA. <i>Ocean Modelling</i> , 2020, 154, 101681.	2.4	3
3	Better Regional Ocean Observing Through Cross-National Cooperation: A Case Study From the Northeast Pacific. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	12
4	Why Gliders Appreciate Good Company: Glider Assimilation in the Oregonâ€“Washington Coastal Ocean 4DVAR System With and Without Surface Observations. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 750-772.	2.6	10
5	Do Nonorthogonally and Irregularly Sampled Scalar Velocities Contain Sufficient Information to Reconstruct an Orthogonal Vector Current Field?. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 763-795.	1.3	3
6	A Noninterpolated Estimate of Horizontal Spatial Covariance from Nonorthogonally and Irregularly Sampled Scalar Velocities. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 2407-2430.	1.3	3
7	The Oregon Nearshore Research Inventory project: The importance of science and the scientific community as stakeholders in marine spatial planning. <i>Ocean and Coastal Management</i> , 2016, 130, 290-298.	4.4	5
8	Alongcoast structure and interannual variability of seasonal midshelf water properties and velocity in the <sc>N</sc>orthern <sc>C</sc>alifornia <sc>C</sc>urrent <sc>S</sc>ystem. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7408-7430.	2.6	12
9	Influence of varying upper ocean stratification on coastal nearâ€“inertial currents. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 8504-8527.	2.6	12
10	Anomalous Near-Surface Low-Salinity Pulses off the Central Oregon Coast. <i>Scientific Reports</i> , 2015, 5, 17145.	3.3	12
11	Coastal ocean variability in the US Pacific Northwest region: seasonal patterns, winter circulation, and the influence of the 2009â€“2010 El NiÃ±o. <i>Ocean Dynamics</i> , 2015, 65, 1643-1663.	2.2	17
12	Biological and physical ocean indicators predict the success of an invasive crab, <i>Carcinus maenas</i> , in the northern California Current. <i>Marine Ecology - Progress Series</i> , 2015, 537, 175-189.	1.9	20
13	Evaluation of directly windâ€“coherent nearâ€“inertial surface currents off Oregon using a statistical parameterization and analytical and numerical models. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6631-6654.	2.6	20
14	Intensified Diurnal Tides along the Oregon Coast. <i>Journal of Physical Oceanography</i> , 2014, 44, 1689-1703.	1.7	12
15	Observations of near-inertial surface currents off Oregon: Decorrelation time and length scales. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3723-3736.	2.6	25
16	A springtime source of toxic <i>Pseudo-nitzschia</i> cells on razor clam beaches in the Pacific Northwest. <i>Harmful Algae</i> , 2013, 25, 1-14.	4.8	25
17	Poleward propagating subinertial alongshore surface currents off the U.S. West Coast. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6791-6806.	2.6	15
18	Sustained observations of mesoscale and sub-mesoscale surface circulation off the U.S. West Coast. , 2012, , .		0

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19	Variational assimilation of HF radar surface currents in a coastal ocean model off Oregon. <i>Ocean Modelling</i> , 2012, 49-50, 86-104.	2.4	33
20	Mapping the U.S. West Coast surface circulation: A multiyear analysis of high-frequency radar observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	73
21	Spatial and Temporal Variability of the M2 Internal Tide Generation and Propagation on the Oregon Shelf. <i>Journal of Physical Oceanography</i> , 2011, 41, 2037-2062.	1.7	42
22	Linking ocean conditions to year class strength of the invasive European green crab, <i>Carcinus maenas</i> . <i>Biological Invasions</i> , 2010, 12, 1791-1804.	2.4	38
23	Multiple trophic levels fueled by recirculation in the Columbia River plume. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	36
24	River Influences on Shelf Ecosystems: Introduction and synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	135
25	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
26	The NANOOS Visualization System: Aggregating, displaying and serving data. , 2009, , .		5
27	Estimates of sea surface height and near-surface alongshore coastal currents from combinations of altimeters and tide gauges. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	76
28	Organization of stratification, turbulence, and veering in bottom Ekman layers. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	42
29	The Newport line off Oregon " Studies in the North East Pacific. <i>Progress in Oceanography</i> , 2007, 75, 126-160.	3.2	32
30	Physical versus biological spring transition: 2005. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	61
31	Two coastal upwelling domains in the northern California Current system. <i>Journal of Marine Research</i> , 2005, 63, 901-929.	0.3	67
32	A modified law-of-the-wall applied to oceanic bottom boundary layers. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	85
33	Poleward and equatorward currents in the Pacific Eastern Boundary Current in summer 1995 and 1998 and their relationship to the distribution of euphausiids. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 73-88.	1.4	17
34	Distant effect of assimilation of moored currents into a model of coastal wind-driven circulation off Oregon. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	20
35	Assimilation of moored velocity data in a model of coastal wind-driven circulation off Oregon: Multivariate capabilities. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	34
36	Atmospheric forcing of the Oregon coastal ocean during the 2001 upwelling season. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	28

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37	On the spatial structure of coastal circulation off Newport, Oregon, during spring and summer 2001 in a region of varying shelf width. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	68
38	Convectively Driven Mixing in the Bottom Boundary Layer. <i>Journal of Physical Oceanography</i> , 2004, 34, 2189-2202.	1.7	52
39	A National Coastal Ocean Surface Current Mapping System for the United States. <i>Marine Technology Society Journal</i> , 2004, 38, 102-108.	0.4	26
40	Tidal currents on the central Oregon shelf: Models, data, and assimilation. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	43
41	Enhanced southward flow over the Oregon shelf in 2002: A conduit for subarctic water. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	36
42	The M2 Internal Tide off Oregon: Inferences from Data Assimilation. <i>Journal of Physical Oceanography</i> , 2003, 33, 1733-1757.	1.7	81
43	Enhanced marine CH <sub>4</sub> emissions to the atmosphere off Oregon caused by coastal upwelling. <i>Global Biogeochemical Cycles</i> , 2002, 16, 2-1-2-11.	4.9	49
44	Injection of carbon from the shelf to offshore beneath the euphotic zone in the California Current. <i>Journal of Geophysical Research</i> , 2002, 107, 10-1.	3.3	60
45	Iron, nutrient, and phytoplankton distributions in Oregon coastal waters. <i>Journal of Geophysical Research</i> , 2002, 107, 38-1.	3.3	29
46	A Modeling Study of the Three-Dimensional Continental Shelf Circulation off Oregon. Part I: Model Data Comparisons. <i>Journal of Physical Oceanography</i> , 2002, 32, 1360-1382.	1.7	79
47	Assimilation of surface velocity data into a primitive equation coastal ocean model. <i>Journal of Geophysical Research</i> , 2002, 107, 5-1.	3.3	181
48	A poleward jet and an equatorward undercurrent observed off Oregon and northern California, during the 1997-98 El Niño. <i>Progress in Oceanography</i> , 2002, 54, 343-360.	3.2	57
49	Continuity of the poleward undercurrent along the eastern boundary of the mid-latitude north Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000, 47, 811-829.	1.4	112
50	Spatial and temporal characteristics of the mesoscale circulation of the California Current from eddy-resolving moored and shipboard measurements. <i>Journal of Geophysical Research</i> , 2000, 105, 1245-1269.	3.3	48
51	Diagnosis of the Three-Dimensional Circulation Associated with Mesoscale Motion in the California Current. <i>Journal of Physical Oceanography</i> , 1999, 29, 651-670.	1.7	48
52	Upper-ocean water mass characteristics of the California current, Summer 1993. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998, 45, 1411-1442.	1.4	76
53	Secondary circulation associated with a shelfbreak front. <i>Geophysical Research Letters</i> , 1998, 25, 2761-2764.	4.0	67
54	Upper ocean thermohaline fields near 2°S, 156°E, during the Tropical Ocean-Global Atmosphere-Coupled Ocean-Atmosphere Response Experiment, November 1992 to February 1993. <i>Journal of Geophysical Research</i> , 1997, 102, 12749-12784.	3.3	26

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55	Offshore wind forcing in the Gulf of Tehuantepec, Mexico: The asymmetric circulation. <i>Journal of Geophysical Research</i> , 1995, 100, 20649.	3.3	107
56	Cross-Shelf Sediment Transport by an Anticyclonic Eddy Off Northern California. <i>Science</i> , 1993, 261, 1560-1564.	12.6	72
57	Supersquirt: Dynamics of the Gulf of Tehuantepec, Mexico. <i>Oceanography</i> , 1993, 6, 23-30.	1.0	67
58	Estimation of surface winds from upward looking acoustic Doppler current profilers. <i>Journal of Geophysical Research</i> , 1992, 97, 17925-17930.	3.3	12
59	Currents and water masses of the Coastal Transition Zone off northern California, June to August 1988. <i>Journal of Geophysical Research</i> , 1991, 96, 14809-14831.	3.3	94
60	Dynamics of the Coastal Transition Zone through data assimilation studies. <i>Journal of Geophysical Research</i> , 1991, 96, 14959-14977.	3.3	32
61	Water mass subduction and the transport of phytoplankton in a coastal upwelling system. <i>Journal of Geophysical Research</i> , 1991, 96, 14927-14945.	3.3	70
62	Horizontal transport and the distribution of nutrients in the Coastal Transition Zone off northern California: Effects on primary production, phytoplankton biomass and species composition. <i>Journal of Geophysical Research</i> , 1991, 96, 14833-14848.	3.3	112
63	The structure of the transition zone between coastal waters and the open ocean off northern California, winter and spring 1987. <i>Journal of Geophysical Research</i> , 1991, 96, 14707-14730.	3.3	103
64	The nature of the cold filaments in the California Current system. <i>Journal of Geophysical Research</i> , 1991, 96, 14743-14768.	3.3	288
65	Surface patterns in temperature, flow, phytoplankton biomass, and species composition in the coastal transition zone off Northern California. <i>Journal of Geophysical Research</i> , 1990, 95, 18081-18094.	3.3	66
66	Poleward flow in the California Current System. <i>Coastal and Estuarine Studies</i> , 1989, , 142-159.	0.4	20
67	Poleward flow off central California during the spring and summer of 1981 and 1984. <i>Journal of Geophysical Research</i> , 1988, 93, 10604-10620.	3.3	58
68	The Central California Coastal Circulation Study. <i>Eos</i> , 1987, 68, 1-13.	0.1	66
69	Structure of the coastal current field off northern California during the Coastal Ocean Dynamics Experiment. <i>Journal of Geophysical Research</i> , 1987, 92, 1637-1654.	3.3	127
70	Mesoscale surveys over the shelf and slope in the upwelling region near Point Arena, California. <i>Journal of Geophysical Research</i> , 1987, 92, 1655-1681.	3.3	117
71	CTD and velocity surveys of seaward jets off northern California, July 1981 and 1982. <i>Journal of Geophysical Research</i> , 1986, 91, 7680-7690.	3.3	121