

# Parker MacCready

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,544  
citations

236925

25  
h-index

289244

40  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2068  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Estuarine Circulation. Annual Review of Fluid Mechanics, 2014, 46, 175-197.	25.0	397
2	Advances in Estuarine Physics. Annual Review of Marine Science, 2010, 2, 35-58.	11.6	305
3	River Influences on Shelf Ecosystems: Introduction and synthesis. Journal of Geophysical Research, 2010, 115, .	3.3	135
4	Dynamics of Willapa Bay, Washington: A Highly Unsteady, Partially Mixed Estuary. Journal of Physical Oceanography, 2004, 34, 2413-2427.	1.7	134
5	A Model Study of the Salish Sea Estuarine Circulation*. Journal of Physical Oceanography, 2011, 41, 1125-1143.	1.7	131
6	Buoyant inhibition of Ekman transport on a slope and its effect on stratified spin-up. Journal of Fluid Mechanics, 1991, 223, 631.	3.4	110
7	Estuarine Adjustment. Journal of Physical Oceanography, 2007, 37, 2133-2145.	1.7	104
8	Seasonal and Interannual Variability in the Circulation of Puget Sound, Washington: A Box Model Study. Atmosphere - Ocean, 2006, 44, 29-45.	1.6	96
9	Calculating Estuarine Exchange Flow Using Isohaline Coordinates*. Journal of Physical Oceanography, 2011, 41, 1116-1124.	1.7	94
10	Hindcasts of potential harmful algal bloom transport pathways on the Pacific Northwest coast. Journal of Geophysical Research: Oceans, 2014, 119, 2439-2461.	2.6	82
11	Seasonal and interannual oxygen variability on the Washington and Oregon continental shelves. Journal of Geophysical Research: Oceans, 2015, 120, 608-633.	2.6	72
12	Estuary-enhanced upwelling of marine nutrients fuels coastal productivity in the U.S. Pacific Northwest. Journal of Geophysical Research: Oceans, 2014, 119, 8778-8799.	2.6	65
13	Evaluation of a coastal ocean circulation model for the Columbia River plume in summer 2004. Journal of Geophysical Research, 2009, 114, .	3.3	60
14	Form Drag due to Flow Separation at a Headland. Journal of Physical Oceanography, 2006, 36, 2136-2152.	1.7	59
15	Ebb-Tide Dynamics and Spreading of a Large River Plume*. Journal of Physical Oceanography, 2009, 39, 2839-2856.	1.7	57
16	Estuarine Exchange Flow Is Related to Mixing through the Salinity Variance Budget. Journal of Physical Oceanography, 2018, 48, 1375-1384.	1.7	57
17	Columbia River plume patterns in summer 2004 as revealed by a hindcast coastal ocean circulation model. Geophysical Research Letters, 2009, 36, .	4.0	55
18	The Knudsen theorem and the Total Exchange Flow analysis framework applied to the Baltic Sea. Progress in Oceanography, 2018, 165, 268-286.	3.2	45

#	ARTICLE	IF	CITATIONS
19	Observations on the evolution of tidal vorticity at a stratified deep water headland. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	42
20	Estuarine Circulation, Mixing, and Residence Times in the Salish Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016738.	2.6	41
21	Total Exchange Flow, Entrainment, and Diffusive Salt Flux in Estuaries. <i>Journal of Physical Oceanography</i> , 2017, 47, 1205-1220.	1.7	37
22	Reverse Estuarine Circulation Due to Local and Remote Wind Forcing, Enhanced by the Presence of Along-Coast Estuaries. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 10184-10205.	2.6	36
23	Observational estimates of entrainment and vertical salt flux in the interior of a spreading river plume. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
24	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.	2.2	30
25	Dissecting the Pressure Field in Tidal Flow past a Headland: When Is Form Drag "Real"? <i>Journal of Physical Oceanography</i> , 2009, 39, 2971-2984.	1.7	29
26	Flow and mixing in Juan de Fuca Canyon, Washington. <i>Geophysical Research Letters</i> , 2014, 41, 1608-1615.	4.0	24
27	Seasonal Cross-Shelf Flow Structure, Upwelling Relaxation, and the Alongshelf Pressure Gradient in the Northern California Current System. <i>Journal of Physical Oceanography</i> , 2015, 45, 209-227.	1.7	24
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	Tilted Baroclinic Tidal Vortices. <i>Journal of Physical Oceanography</i> , 2009, 39, 333-350.	1.7	22
30	Measurement of Tidal Form Drag Using Seafloor Pressure Sensors. <i>Journal of Physical Oceanography</i> , 2013, 43, 1150-1172.	1.7	22
31	Oscillatory flow across an irregular boundary. <i>Journal of Geophysical Research</i> , 2002, 107, 4-1.	3.3	20
32	The dynamics of pressure and form drag on a sloping headland: Internal waves versus eddies. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1554-1571.	2.6	19
33	Optimizing Sensor Configurations for the Detection of Slow-Slip Earthquakes in Seafloor Pressure Records, Using the Cascadia Subduction Zone as a Case Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13504-13531.	3.4	18
34	Larval Transport Modeling Support for Identifying Population Sources of European Green Crab in the Salish Sea. <i>Estuaries and Coasts</i> , 2019, 42, 1586-1599.	2.2	17
35	Numerical issues of the Total Exchange Flow (TEF) analysis framework for quantifying estuarine circulation. <i>Ocean Science</i> , 2019, 15, 601-614.	3.4	17
36	Boundary Layer Forcing of a Semidiurnal, Cross-Channel Seiche. <i>Journal of Physical Oceanography</i> , 2005, 35, 1518-1537.	1.7	9

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37	Influence of large-scale tidal asymmetry on subtidal dynamics in the western Strait of Juan de Fuca. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	9
38	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.	2.6	8
39	The shelf sources of estuarine inflow. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	3
40	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, .	2.5	2
41	Testing the potential for larval dispersal to explain connectivity and population structure of threatened rockfish species in Puget Sound. <i>Marine Ecology - Progress Series</i> , 2021, 677, 95-113.	1.9	0