

Christopher K Sommerfield

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,325
citations

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h-index

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33
ext. papers

1,465
ext. citations

2.9
avg, IF

4.52
L-index

#	Paper	IF	Citations
33	Modern accumulation rates and a sediment budget for the Eel shelf: a flood-dominated depositional environment. <i>Marine Geology</i> , 1999 , 154, 227-241	3.3	216
32	Seabed characterization on the New Jersey middle and outer shelf: correlatability and spatial variability of seafloor sediment properties. <i>Marine Geology</i> , 2004 , 209, 147-172	3.3	126
31	Seasonal variation of sediment deposition in the Hudson River estuary. <i>Marine Geology</i> , 2001 , 179, 105-119	3.3	97
30	The geological record preserved by Amazon shelf sedimentation. <i>Continental Shelf Research</i> , 1996 , 16, 817-841	2.4	93
29	Recent and modern marine erosion on the New Jersey outer shelf. <i>Marine Geology</i> , 2005 , 216, 275-296	3.3	66
28	Mechanisms of sediment flux and turbidity maintenance in the Delaware Estuary. <i>Journal of Geophysical Research</i> , 2011 , 116,		64
27	Seismic geomorphology of buried channel systems on the New Jersey outer shelf: assessing past environmental conditions. <i>Marine Geology</i> , 2005 , 214, 339-364	3.3	61
26	Bigger Tides, Less Flooding: Effects of Dredging on Barotropic Dynamics in a Highly Modified Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 196-211	3.3	57
25	Shelf record of climatic changes in flood magnitude and frequency, north-coastal California. <i>Geology</i> , 2002 , 30, 395	5	49
24	Observations of tidal and springtime sediment transport in the upper Delaware Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2007 , 72, 235-246	2.9	46
23	Bioturbation depths, rates and processes in Massachusetts Bay sediments inferred from modeling of 210Pb and 239+240Pu profiles. <i>Estuarine, Coastal and Shelf Science</i> , 2004 , 61, 643-655	2.9	40
22	On sediment accumulation rates and stratigraphic completeness: Lessons from Holocene ocean margins. <i>Continental Shelf Research</i> , 2006 , 26, 2225-2240	2.4	39
21	Stratigraphic evidence of changes in Amazon shelf sedimentation during the late Holocene. <i>Marine Geology</i> , 1995 , 125, 351-371	3.3	38
20	Seasonal variability of the inorganic carbon system in a large coastal plain estuary. <i>Biogeosciences</i> , 2017 , 14, 4949-4963	4.6	35
19	Use of lead isotopes for developing chronologies in recent salt-marsh sediments. <i>Quaternary Geochronology</i> , 2012 , 12, 40-49	2.7	33
18	Lateral variability of sediment transport in the Delaware Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 725-744	3.3	31
17	Impact of Channel Deepening on Tidal and Gravitational Circulation in a Highly Engineered Estuarine Basin. <i>Estuaries and Coasts</i> , 2018 , 41, 1587-1600	2.8	29

16	Reconstructing Holocene sea level using salt-marsh foraminifera and transfer functions: lessons from New Jersey, USA. <i>Journal of Quaternary Science</i> , 2013 , 28, 617-629	2.3	29
15	Suspended-Sediment Impacts on Light-Limited Productivity in the Delaware Estuary. <i>Estuaries and Coasts</i> , 2017 , 40, 977-993	2.8	26
14	Latest Holocene evolution and human disturbance of a channel segment in the Hudson River Estuary. <i>Marine Geology</i> , 2005 , 218, 135-153	3.3	24
13	Stability of organic carbon accumulating in <i>Spartina alterniflora</i> -dominated salt marshes of the Mid-Atlantic U.S.. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 182, 179-189	2.9	23
12	Oceanographic processes and the preservation of sedimentary structure in Eckernföde Bay, Baltic Sea. <i>Continental Shelf Research</i> , 1998 , 18, 1689-1714	2.4	20
11	Magnitude and variability of Holocene sediment accumulation in Santa Monica Bay, California. <i>Marine Environmental Research</i> , 2003 , 56, 151-76	3.3	19
10	Across-shelf sediment transport since the Last Glacial Maximum, southern California margin. <i>Geology</i> , 2004 , 32, 345	5	16
9	Sedimentary carbon-isotope systematics on the Amazon shelf. <i>Geo-Marine Letters</i> , 1996 , 16, 17-23	1.9	11
8	Impact of Historical Channel Deepening on Tidal Hydraulics in the Delaware Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2020JC016256	3.3	8
7	Wave Generation, Dissipation, and Disequilibrium in an Embayment With Complex Bathymetry. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 7856-7876	3.3	8
6	Estuarine sedimentary response to Atlantic tropical cyclones. <i>Marine Geology</i> , 2017 , 391, 65-75	3.3	7
5	The variability of currents and sea level in the upper Delaware estuary. <i>Journal of Marine Research</i> , 2009 , 67, 479-501	1.5	7
4	The ebb and flow of protons: A novel approach for the assessment of estuarine and coastal acidification. <i>Estuarine, Coastal and Shelf Science</i> , 2020 , 236, 106627	2.9	4
3	Carbon Sequestration Rate Estimates in Delaware Bay and Barnegat Bay Tidal Wetlands Using Interpolation Mapping. <i>Data</i> , 2020 , 5, 11	2.3	3
2	Long-term sediment accretion and nutrient deposition in a tidal marsh of the Delaware Bay. <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> , 2020 , 167, 87	1.1	0
1	Comment on Hel River margin source-to-sink sediment budgets: Revisited [by J.A. Warrick [Marine Geology 351 (2014) 25B7]]. <i>Marine Geology</i> , 2014 , 357, 401-403	3.3	