Christopher K Sommerfield

List of Publications by Year
in descending order

33	1,627	304368 22	414034 32
papers	citations	h-index	g-index

33	33	33	1660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modern accumulation rates and a sediment budget for the Eel shelf: a flood-dominated depositional environment. Marine Geology, 1999, 154, 227-241.	0.9	244
2	Seabed characterization on the New Jersey middle and outer shelf: correlatability and spatial variability of seafloor sediment properties. Marine Geology, 2004, 209, 147-172.	0.9	154
3	The geological record preserved by Amazon shelf sedimentation. Continental Shelf Research, 1996, 16, 817-841.	0.9	107
4	Seasonal variation of sediment deposition in the Hudson River estuary. Marine Geology, 2001, 179, 105-119.	0.9	107
5	Bigger Tides, Less Flooding: Effects of Dredging on Barotropic Dynamics in a Highly Modified Estuary. Journal of Geophysical Research: Oceans, 2019, 124, 196-211.	1.0	92
6	Mechanisms of sediment flux and turbidity maintenance in the Delaware Estuary. Journal of Geophysical Research, 2011, 116, .	3.3	78
7	Recent and modern marine erosion on the New Jersey outer shelf. Marine Geology, 2005, 216, 275-296.	0.9	75
8	Seismic geomorphology of buried channel systems on the New Jersey outer shelf: assessing past environmental conditions. Marine Geology, 2005, 214, 339-364.	0.9	74
9	Shelf record of climatic changes in flood magnitude and frequency, north-coastal California. Geology, 2002, 30, 395.	2.0	56
10	On sediment accumulation rates and stratigraphic completeness: Lessons from Holocene ocean margins. Continental Shelf Research, 2006, 26, 2225-2240.	0.9	52
11	Observations of tidal and springtime sediment transport in the upper Delaware Estuary. Estuarine, Coastal and Shelf Science, 2007, 72, 235-246.	0.9	51
12	Seasonal variability of the inorganic carbon system in a large coastal plain estuary. Biogeosciences, 2017, 14, 4949-4963.	1.3	48
13	Stratigraphic evidence of changes in Amazon shelf sedimentation during the late Holocene. Marine Geology, 1995, 125, 351-371.	0.9	43
14	Lateral variability of sediment transport in the <scp>D</scp>elaware <scp>E</scp>stuary. Journal of Geophysical Research: Oceans, 2016, 121, 725-744.	1.0	42
15	Impact of Channel Deepening on Tidal and Gravitational Circulation in a Highly Engineered Estuarine Basin. Estuaries and Coasts, 2018, 41, 1587-1600.	1.0	42
16	Bioturbation depths, rates and processes in Massachusetts Bay sediments inferred from modeling of 210Pb and 239+240Pu profiles. Estuarine, Coastal and Shelf Science, 2004, 61, 643-655.	0.9	41
17	Use of lead isotopes for developing chronologies in recent salt-marsh sediments. Quaternary Geochronology, 2012, 12, 40-49.	0.6	41
18	Suspended-Sediment Impacts on Light-Limited Productivity in the Delaware Estuary. Estuaries and Coasts, 2017, 40, 977-993.	1.0	40

#	Article	IF	Citations
19	Stability of organic carbon accumulating in Spartina alterniflora-dominated salt marshes of the Mid-Atlantic U.S.. Estuarine, Coastal and Shelf Science, 2016, 182, 179-189.	0.9	38
20	Reconstructing Holocene sea level using saltâ€marsh foraminifera and transfer functions: lessons from New Jersey, USA. Journal of Quaternary Science, 2013, 28, 617-629.	1.1	34
21	Oceanographic processes and the preservation of sedimentary structure in EckernfÃ¶rde Bay, Baltic Sea. Continental Shelf Research, 1998, 18, 1689-1714.	0.9	25
22	Latest Holocene evolution and human disturbance of a channel segment in the Hudson River Estuary. Marine Geology, 2005, 218, 135-153.	0.9	25
23	Magnitude and variability of Holocene sediment accumulation in Santa Monica Bay, California. Marine Environmental Research, 2003, 56, 151-176.	1.1	20
24	Across-shelf sediment transport since the Last Glacial Maximum, southern California margin. Geology, 2004, 32, 345.	2.0	20
25	Wave Generation, Dissipation, and Disequilibrium in an Embayment With Complex Bathymetry. Journal of Geophysical Research: Oceans, 2018, 123, 7856-7876.	1.0	17
26	Impact of Historical Channel Deepening on Tidal Hydraulics in the Delaware Estuary. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016256.	1.0	16
27	Sedimentary carbon-isotope systematics on the Amazon shelf. Geo-Marine Letters, 1996, 16, 17-23.	0.5	12
28	Estuarine sedimentary response to Atlantic tropical cyclones. Marine Geology, 2017, 391, 65-75.	0.9	10
29	The variability of currents and sea level in the upper Delaware estuary. Journal of Marine Research, 2009, 67, 479-501.	0.3	9
30	The ebb and flow of protons: A novel approach for the assessment of estuarine and coastal acidification. Estuarine, Coastal and Shelf Science, 2020, 236, 106627.	0.9	7
31	Carbon Sequestration Rate Estimates in Delaware Bay and Barnegat Bay Tidal Wetlands Using Interpolation Mapping. Data, 2020, 5, 11.	1.2	5
32	Long-term sediment accretion and nutrient deposition in a tidal marsh of the Delaware Bay. Proceedings of the Academy of Natural Sciences of Philadelphia, 2020, 167, 87.	1.3	2
33	Comment on â€œEel River margin source-to-sink sediment budgets: Revisitedâ€•by J.A. Warrick [Marine Geology 351 (2014) 25â€“37]. Marine Geology, 2014, 357, 401-403.	0.9	0