Courtney K Harris

List of Publications by Year
in descending order

52 papers	2,351 citations	257450 24 h-index	214800 47 g-index
57 all docs	57 docs citations	57 times ranked	2112 citing authors

#	Article	IF	Citations
1	Sediment and terrestrial organic carbon budgets for the offshore Ayeyarwady Delta, Myanmar: Establishing a baseline for future change. Marine Geology, 2022, 447, 106782.	2.1	4
2	ADCP Observations of Currents and Suspended Sediment in the Macrotidal Gulf of Martaban, Myanmar. Frontiers in Earth Science, 2022, 10, .	1.8	3
3	Seabed Resuspension in the Chesapeake Bay: Implications for Biogeochemical Cycling and Hypoxia. Estuaries and Coasts, 2021, 44, 103-122.	2.2	20
4	Development of the CSOMIO Coupled Ocean-Oil-Sediment- Biology Model. Frontiers in Marine Science, 2021, 8, .	2.5	12
5	Formation of Oil-Particle-Aggregates: Numerical Model Formulation and Calibration. Frontiers in Marine Science, 2021, 8, .	2.5	10
6	Sediment transport mechanisms in altered depositional environments of the Anthropocene Nakdong Estuary: A numerical modeling study. Marine Geology, 2020, 430, 106364.	2.1	15
7	Fate of Ayeyarwady and Thanlwin Rivers Sediments in the Andaman Sea and Bay of Bengal. Marine Geology, 2020, 423, 106137.	2.1	29
8	Data-Driven, Multi-Model Workflow Suggests Strong Influence from Hurricanes on the Generation of Turbidity Currents in the Gulf of Mexico. Journal of Marine Science and Engineering, 2020, 8, 586.	2.6	11
9	The Impact of Winter Storms on Sediment Transport Through a Narrow Strait, Bohai, China. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016069.	2.6	19
10	Sediment dispersal and accumulation off the Ayeyarwady delta â€“ Tectonic and oceanographic controls. Marine Geology, 2019, 417, 106000.	2.1	17
11	Tidal Variation in Cohesive Sediment Distribution and Sensitivity to Flocculation and Bed Consolidation in An Idealized, Partially Mixed Estuary. Journal of Marine Science and Engineering, 2019, 7, 334.	2.6	16
12	Cohesive and mixed sediment in the Regional Ocean Modeling System (ROMS v3.6) implemented in the Coupled Oceanâ€“Atmosphereâ€“Waveâ€“Sediment Transport Modeling System (COAWST r1234). Geoscientific Model Development, 2018, 11, 1849-1871.	3.6	44
13	Impact of Seabed Resuspension on Oxygen and Nitrogen Dynamics in the Northern Gulf of Mexico: A Numerical Modeling Study. Journal of Geophysical Research: Oceans, 2018, 123, 7237-7263.	2.6	31
14	Sediment Transport Model Including Short-Lived Radioisotopes: Model Description and Idealized Test Cases. Journal of Marine Science and Engineering, 2018, 6, 144.	2.6	2
15	Numerical Model of Geochronological Tracers for Deposition and Reworking Applied to the Mississippi Subaqueous Delta. Journal of Coastal Research, 2018, 85, 456-460.	0.3	2
16	The roles of resuspension, diffusion and biogeochemical processes on oxygen dynamics offshore of the RhÃ´ne River, France: a numerical modeling study. Biogeosciences, 2017, 14, 1919-1946.	3.3	37
17	Shelf sediment transport during hurricanes Katrina and Rita. Computers and Geosciences, 2016, 90, 24-39.	4.2	56
18	A source-to-sink perspective of the Waipaoa River margin. Earth-Science Reviews, 2016, 153, 301-334.	9.1	56

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19	Event-to-seasonal sediment dispersal on the Waipaoa River Shelf, New Zealand: A numerical modeling study. Continental Shelf Research, 2015, 110, 108-123.	1.8	11
20	A Hydrodynamic and Sediment Transport Model for the Waipaoa Shelf, New Zealand: Sensitivity of Fluxes to Spatially-Varying Erodibility and Model Nesting. Journal of Marine Science and Engineering, 2014, 2, 336-369.	2.6	27
21	Model Behavior and Sensitivity in an Application of the Cohesive Bed Component of the Community Sediment Transport Modeling System for the York River Estuary, VA, USA. Journal of Marine Science and Engineering, 2014, 2, 413-436.	2.6	10
22	Formation and preservation of sedimentary strata from coastal events: Insights from measurements and modeling. Continental Shelf Research, 2014, 86, 1-5.	1.8	9
23	The vertical structure of the circulation and dynamics in Hudson Shelf Valley. Journal of Geophysical Research: Oceans, 2014, 119, 3694-3713.	2.6	15
24	Characterization of a flood-associated deposit on the Waipaoa River shelf using radioisotopes and terrigenous organic matter abundance and composition. Continental Shelf Research, 2014, 86, 66-84.	1.8	20
25	Storm and fair-weather driven sediment-transport within Poverty Bay, New Zealand, evaluated using coupled numerical models. Continental Shelf Research, 2014, 86, 34-51.	1.8	20
26	Estimates of Bed Stresses within a Model of Chesapeake Bay. , 2012, , .		3
27	Dispersal of Mississippi and Atchafalaya sediment on the Texasâ€“Louisiana shelf: Model estimates for the year 1993. Continental Shelf Research, 2011, 31, 1558-1575.	1.8	68
28	Hydrodynamics and sediment-transport in the nearshore of Poverty Bay, New Zealand: Observations of nearshore sediment segregation and oceanic storms. Continental Shelf Research, 2011, 31, 507-526.	1.8	29
29	Dead in the water: The fate of copepod carcasses in the York River estuary, Virginia. Limnology and Oceanography, 2010, 55, 1821-1834.	3.1	41
30	Sediment accumulation patterns and fine-scale strata formation on the Waiapu River shelf, New Zealand. Marine Geology, 2010, 270, 188-201.	2.1	26
31	Deposition by seasonal wave- and current-supported sediment gravity flows interacting with spatially varying bathymetry: Waiapu shelf, New Zealand. Marine Geology, 2010, 275, 199-211.	2.1	25
32	Deposition and flux of sediment from the Po River, Italy: An idealized and wintertime numerical modeling study. Marine Geology, 2009, 260, 69-80.	2.1	46
33	Sensitivity of a sediment transport model for Lake Michigan. Journal of Great Lakes Research, 2009, 35, 560-576.	1.9	8
34	Development of a three-dimensional, regional, coupled wave, current, and sediment-transport model. Computers and Geosciences, 2008, 34, 1284-1306.	4.2	641
35	Sediment dispersal in the northwestern Adriatic Sea. Journal of Geophysical Research, 2008, 113, .	3.3	84
36	Estimating Cohesive Sediment Erosion and Consolidation in a Muddy, Tidally-Dominated Environment: Model Behavior and Sensitivity. , 2008, , .		6

#	Article	IF	Citations
37	Understanding sediment transfer from land to ocean. Eos, 2006, 87, 281.	0.1	13
38	Flood dispersal and deposition by near-bed gravitational sediment flows and oceanographic transport: A numerical modeling study of the Eel River shelf, northern California. Journal of Geophysical Research, 2005, 110, .	3.3	70
39	Northern Adriatic response to a wintertime bora wind event. Eos, 2005, 86, 157.	0.1	69
40	Including a Near-Bed Turbid Layer in a Three Dimensional Sediment Transport Model With Application to the Eel River Shelf, Northern California. , 2004, , 784.		9
41	Sediment Dynamics in the Adriatic Sea Investigated with Coupled Models. Oceanography, 2004, 17, 58-69.	1.0	43
42	Winter-time circulation and sediment transport in the Hudson Shelf Valley. Continental Shelf Research, 2003, 23, 801-820.	1.8	41
43	Toward a community coastal sediment transport modeling system: The second workshop. Eos, 2002, 83, 604.	0.1	5
44	Across-shelf sediment transport: Interactions between suspended sediment and bed sediment. Journal of Geophysical Research, 2002, 107, 8-1.	3.3	92
45	Sediment transport on the Palos Verdes shelf over seasonal to decadal time scales. Continental Shelf Research, 2002, 22, 987-1004.	1.8	42
46	Desorption of p,pâ€²-DDE from sediment during resuspension events on the Palos Verdes shelf, California: a modeling approach. Continental Shelf Research, 2002, 22, 1005-1023.	1.8	36
47	A two-dimensional, time-dependent model of suspended sediment transport and bed reworking for continental shelves. Computers and Geosciences, 2001, 27, 675-690.	4.2	105
48	Workshop discusses community models for coastal sediment transport. Eos, 2000, 81, 502.	0.1	8
49	Approaches to quantifying long-term continental shelf sediment transport with an example from the Northern California STRESS mid-shelf site. Continental Shelf Research, 1997, 17, 1389-1418.	1.8	66
50	Ripple geometry in wave-dominated environments. Journal of Geophysical Research, 1994, 99, 775.	3.3	258
51	Prediction of Margin Stratigraphy. , 0, , 459-529.		5
52	A Cycle of Wind-Driven Canyon Upwelling and Downwelling at Wilmington Canyon and the Evolution of Canyon-Upwelled Dense Water on the MAB Shelf. Frontiers in Marine Science, 0, 9, .	2.5	1