

Courtney K Harris

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/170986/publications.pdf>

Version: 2024-02-01

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	Development of a three-dimensional, regional, coupled wave, current, and sediment-transport model. <i>Computers and Geosciences</i> , 2008, 34, 1284-1306.	4.2	641
2	Ripple geometry in wave-dominated environments. <i>Journal of Geophysical Research</i> , 1994, 99, 775.	3.3	258
3	A two-dimensional, time-dependent model of suspended sediment transport and bed reworking for continental shelves. <i>Computers and Geosciences</i> , 2001, 27, 675-690.	4.2	105
4	Across-shelf sediment transport: Interactions between suspended sediment and bed sediment. <i>Journal of Geophysical Research</i> , 2002, 107, 8-1.	3.3	92
5	Sediment dispersal in the northwestern Adriatic Sea. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	84
6	Flood dispersal and deposition by near-bed gravitational sediment flows and oceanographic transport: A numerical modeling study of the Eel River shelf, northern California. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	70
7	Northern Adriatic response to a wintertime bora wind event. <i>Eos</i> , 2005, 86, 157.	0.1	69
8	Dispersal of Mississippi and Atchafalaya sediment on the Texas–Louisiana shelf: Model estimates for the year 1993. <i>Continental Shelf Research</i> , 2011, 31, 1558-1575.	1.8	68
9	Approaches to quantifying long-term continental shelf sediment transport with an example from the Northern California STRESS mid-shelf site. <i>Continental Shelf Research</i> , 1997, 17, 1389-1418.	1.8	66
10	Shelf sediment transport during hurricanes Katrina and Rita. <i>Computers and Geosciences</i> , 2016, 90, 24-39.	4.2	56
11	A source-to-sink perspective of the Waipaoa River margin. <i>Earth-Science Reviews</i> , 2016, 153, 301-334.	9.1	56
12	Deposition and flux of sediment from the Po River, Italy: An idealized and wintertime numerical modeling study. <i>Marine Geology</i> , 2009, 260, 69-80.	2.1	46
13	Cohesive and mixed sediment in the Regional Ocean Modeling System (ROMS v3.6) implemented in the Coupled Ocean–Atmosphere–Wave–Sediment Transport Modeling System (COAWST r1234). <i>Geoscientific Model Development</i> , 2018, 11, 1849-1871.	3.6	44
14	Sediment Dynamics in the Adriatic Sea Investigated with Coupled Models. <i>Oceanography</i> , 2004, 17, 58-69.	1.0	43
15	Sediment transport on the Palos Verdes shelf over seasonal to decadal time scales. <i>Continental Shelf Research</i> , 2002, 22, 987-1004.	1.8	42
16	Winter-time circulation and sediment transport in the Hudson Shelf Valley. <i>Continental Shelf Research</i> , 2003, 23, 801-820.	1.8	41
17	Dead in the water: The fate of copepod carcasses in the York River estuary, Virginia. <i>Limnology and Oceanography</i> , 2010, 55, 1821-1834.	3.1	41
18	The roles of resuspension, diffusion and biogeochemical processes on oxygen dynamics offshore of the Rhône River, France: a numerical modeling study. <i>Biogeosciences</i> , 2017, 14, 1919-1946.	3.3	37

#	ARTICLE	IF	CITATIONS
19	Desorption of p,p'-DDE from sediment during resuspension events on the Palos Verdes shelf, California: a modeling approach. <i>Continental Shelf Research</i> , 2002, 22, 1005-1023.	1.8	36
20	Impact of Seabed Resuspension on Oxygen and Nitrogen Dynamics in the Northern Gulf of Mexico: A Numerical Modeling Study. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7237-7263.	2.6	31
21	Hydrodynamics and sediment-transport in the nearshore of Poverty Bay, New Zealand: Observations of nearshore sediment segregation and oceanic storms. <i>Continental Shelf Research</i> , 2011, 31, 507-526.	1.8	29
22	Fate of Ayeyarwady and Thanlwin Rivers Sediments in the Andaman Sea and Bay of Bengal. <i>Marine Geology</i> , 2020, 423, 106137.	2.1	29
23	A Hydrodynamic and Sediment Transport Model for the Waipaoa Shelf, New Zealand: Sensitivity of Fluxes to Spatially-Varying Erodibility and Model Nesting. <i>Journal of Marine Science and Engineering</i> , 2014, 2, 336-369.	2.6	27
24	Sediment accumulation patterns and fine-scale strata formation on the Waiapu River shelf, New Zealand. <i>Marine Geology</i> , 2010, 270, 188-201.	2.1	26
25	Deposition by seasonal wave- and current-supported sediment gravity flows interacting with spatially varying bathymetry: Waiapu shelf, New Zealand. <i>Marine Geology</i> , 2010, 275, 199-211.	2.1	25
26	Characterization of a flood-associated deposit on the Waipaoa River shelf using radioisotopes and terrigenous organic matter abundance and composition. <i>Continental Shelf Research</i> , 2014, 86, 66-84.	1.8	20
27	Storm and fair-weather driven sediment-transport within Poverty Bay, New Zealand, evaluated using coupled numerical models. <i>Continental Shelf Research</i> , 2014, 86, 34-51.	1.8	20
28	Seabed Resuspension in the Chesapeake Bay: Implications for Biogeochemical Cycling and Hypoxia. <i>Estuaries and Coasts</i> , 2021, 44, 103-122.	2.2	20
29	The Impact of Winter Storms on Sediment Transport Through a Narrow Strait, Bohai, China. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016069.	2.6	19
30	Sediment dispersal and accumulation off the Ayeyarwady delta – Tectonic and oceanographic controls. <i>Marine Geology</i> , 2019, 417, 106000.	2.1	17
31	Tidal Variation in Cohesive Sediment Distribution and Sensitivity to Flocculation and Bed Consolidation in An Idealized, Partially Mixed Estuary. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 334.	2.6	16
32	The vertical structure of the circulation and dynamics in Hudson Shelf Valley. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3694-3713.	2.6	15
33	Sediment transport mechanisms in altered depositional environments of the Anthropocene Nakdong Estuary: A numerical modeling study. <i>Marine Geology</i> , 2020, 430, 106364.	2.1	15
34	Understanding sediment transfer from land to ocean. <i>Eos</i> , 2006, 87, 281.	0.1	13
35	Development of the CSOMIO Coupled Ocean-Oil-Sediment- Biology Model. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
36	Event-to-seasonal sediment dispersal on the Waipaoa River Shelf, New Zealand: A numerical modeling study. <i>Continental Shelf Research</i> , 2015, 110, 108-123.	1.8	11

#	ARTICLE	IF	CITATIONS
37	Data-Driven, Multi-Model Workflow Suggests Strong Influence from Hurricanes on the Generation of Turbidity Currents in the Gulf of Mexico. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 586.	2.6	11
38	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. <i>Journal of Marine Science and Engineering</i> , 2014, 2, 413-436.	2.6	10
39	Formation of Oil-Particle-Aggregates: Numerical Model Formulation and Calibration. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	10
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	Formation and preservation of sedimentary strata from coastal events: Insights from measurements and modeling. <i>Continental Shelf Research</i> , 2014, 86, 1-5.	1.8	9
42	Workshop discusses community models for coastal sediment transport. <i>Eos</i> , 2000, 81, 502.	0.1	8
43	Sensitivity of a sediment transport model for Lake Michigan. <i>Journal of Great Lakes Research</i> , 2009, 35, 560-576.	1.9	8
44	Estimating Cohesive Sediment Erosion and Consolidation in a Muddy, Tidally-Dominated Environment: Model Behavior and Sensitivity. , 2008, , .		6
45	Toward a community coastal sediment transport modeling system: The second workshop. <i>Eos</i> , 2002, 83, 604.	0.1	5
46	Prediction of Margin Stratigraphy. , 0, , 459-529.		5
47	Sediment and terrestrial organic carbon budgets for the offshore Ayeyarwady Delta, Myanmar: Establishing a baseline for future change. <i>Marine Geology</i> , 2022, 447, 106782.	2.1	4
48	Estimates of Bed Stresses within a Model of Chesapeake Bay. , 2012, , .		3
49	ADCP Observations of Currents and Suspended Sediment in the Macrotidal Gulf of Martaban, Myanmar. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	3
50	Sediment Transport Model Including Short-Lived Radioisotopes: Model Description and Idealized Test Cases. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 144.	2.6	2
51	Numerical Model of Geochronological Tracers for Deposition and Reworking Applied to the Mississippi Subaqueous Delta. <i>Journal of Coastal Research</i> , 2018, 85, 456-460.	0.3	2
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. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1