

Kyeong Park

List of Publications by Year in descending order

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49
papers

1,580
citations

257101

24
h-index

315357

38
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53
all docs

53
docs citations

53
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Hurricane Harvey Delivered a Massive Load of Mercury-Rich Sediment to Galveston Bay, TX, USA. <i>Estuaries and Coasts</i> , 2022, 45, 428-444.	1.0	4
2	Water exchange and its relationships with external forcings and residence time in Chesapeake Bay. <i>Journal of Marine Systems</i> , 2021, 215, 103497.	0.9	17
3	Compounding factors for extreme flooding around Galveston Bay during Hurricane Harvey. <i>Ocean Modelling</i> , 2021, 158, 101735.	1.0	34
4	An inverse approach to estimate bacterial loading into an estuary by using field observations and residence time. <i>Marine Environmental Research</i> , 2021, 166, 105263.	1.1	3
5	Massive oyster kill in Galveston Bay caused by prolonged low-salinity exposure after Hurricane Harvey. <i>Science of the Total Environment</i> , 2021, 774, 145132.	3.9	33
6	Observations of dissolved oxygen variability and physical drivers in a shallow highly stratified estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 259, 107482.	0.9	8
7	Cascading Weather Events Amplify the Coastal Thermal Conditions Prior to the Shelf Transit of Hurricane Sally (2020). <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	3
8	Observations of Restratification after a Wind Mixing Event in a Shallow Highly Stratified Estuary. <i>Estuaries and Coasts</i> , 2020, 43, 272-285.	1.0	6
9	Massive pollutants released to Galveston Bay during Hurricane Harvey: Understanding their retention and pathway using Lagrangian numerical simulations. <i>Science of the Total Environment</i> , 2020, 704, 135364.	3.9	34
10	Compounding impact of severe weather events fuels marine heatwave in the coastal ocean. <i>Nature Communications</i> , 2020, 11, 4623.	5.8	36
11	A Machineâ€Learningâ€Based Model for Water Quality in Coastal Waters, Taking Dissolved Oxygen and Hypoxia in Chesapeake Bay as an Example. <i>Water Resources Research</i> , 2020, 56, e2020WR027227.	1.7	30
12	A hydrodynamic model for Galveston Bay and the shelf in the northern Gulf of Mexico. <i>Ocean Science</i> , 2019, 15, 951-966.	1.3	19
13	Estuarine salinity recovery from an extreme precipitation event: Hurricane Harvey in Galveston Bay. <i>Science of the Total Environment</i> , 2019, 670, 1049-1059.	3.9	44
14	Dramatic hydrodynamic and sedimentary responses in Galveston Bay and adjacent inner shelf to Hurricane Harvey. <i>Science of the Total Environment</i> , 2019, 653, 554-564.	3.9	76
15	Tidal Response to Seaâ€Level Rise in Different Types of Estuaries: The Importance of Length, Bathymetry, and Geometry. <i>Geophysical Research Letters</i> , 2018, 45, 227-235.	1.5	104
16	Worsened physical condition due to climate change contributes to the increasing hypoxia in Chesapeake Bay. <i>Science of the Total Environment</i> , 2018, 630, 707-717.	3.9	69
17	A 3D unstructured-grid model for Chesapeake Bay: Importance of bathymetry. <i>Ocean Modelling</i> , 2018, 127, 16-39.	1.0	53
18	Water Column Stability and the Role of Velocity Shear on a Seasonally Stratified Shelf, Mississippi Bight, Northern Gulf of Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5777-5796.	1.0	10

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19	Role of Baroclinic Processes on Flushing Characteristics in a Highly Stratified Estuarine System, Mobile Bay, Alabama. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4518-4537.	1.0	33
20	Transport of Riverine Material From Multiple Rivers in the Chesapeake Bay: Important Control of Estuarine Circulation on the Material Distribution. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2998-3013.	1.3	21
21	A Numerical Modeling Approach to Predict the Effect of a Storm Surge Barrier on Hydrodynamics and Long-Term Transport Processes in a Partially Mixed Estuary. <i>Estuaries and Coasts</i> , 2017, 40, 387-403.	1.0	17
22	Data processing for a small-scale long-term coastal ocean observing system near Mobile Bay, Alabama. <i>Earth and Space Science</i> , 2016, 3, 510-522.	1.1	4
23	Water residence time in Chesapeake Bay for 1980–2012. <i>Journal of Marine Systems</i> , 2016, 164, 101-111.	0.9	94
24	Decoupling the influence of biological and physical processes on the dissolved oxygen in the Chesapeake Bay. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 78-93.	1.0	45
25	The coupled estuarine-shelf response of a river-dominated system during the transition from low to high discharge. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6145-6163.	1.0	25
26	Plugging the leak: Barrier island restoration following Hurricane Katrina enhances larval retention and improves salinity regime for oysters in Mobile Bay, Alabama. <i>Marine Environmental Research</i> , 2014, 94, 48-55.	1.1	13
27	Discussion of “Adaptive Time Stepping” Operator Splitting Strategy to Couple Implicit Numerical Hydrodynamic and Water Quality Codes by Gaurav Savant and R. C. Berger. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, 07014001.	0.7	0
28	Spatial variability of flow over a river-influenced inner shelf in coastal Alabama during spring. <i>Continental Shelf Research</i> , 2014, 74, 25-34.	0.9	16
29	Bathymetric influences on tidal currents at the entrance to a highly stratified, shallow estuary. <i>Continental Shelf Research</i> , 2013, 58, 1-11.	0.9	16
30	Establishing Restoration Strategy of Eastern Oyster via a Coupled Biophysical Transport Model. <i>Restoration Ecology</i> , 2013, 21, 353-362.	1.4	31
31	Importance of stratification on mixing and transport in a shallow, micro-tidal northern Gulf of Mexico estuary. , 2012, , .		0
32	Subtidal circulation on the Alabama shelf during the Deepwater Horizon oil spill. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
33	High-resolution comparison of sediment dynamics under different forcing conditions in the bottom boundary layer of a shallow, micro-tidal estuary. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
34	A modeling study of water and salt exchange for a micro-tidal, stratified northern Gulf of Mexico estuary. <i>Journal of Marine Systems</i> , 2012, 96-97, 103-115.	0.9	71
35	Subtidal across-shelf velocity structure and surface transport effectiveness on the Alabama shelf of the northeastern Gulf of Mexico. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	13
36	Hydrographic variability on a coastal shelf directly influenced by estuarine outflow. <i>Continental Shelf Research</i> , 2011, 31, 939-950.	0.9	55

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37	Oyster larval transport in coastal Alabama: Dominance of physical transport over biological behavior in a shallow estuary. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	35
38	Influence of wind stress and discharge on the mean and seasonal currents on the Alabama shelf of the northeastern Gulf of Mexico. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
39	A Model Study of the Estuarine Turbidity Maximum along the Main Channel of the Upper Chesapeake Bay. <i>Estuaries and Coasts</i> , 2008, 31, 115-133.	1.0	27
40	The Effects of Hurricane Ivan in the Inner Part of Mobile Bay, Alabama. <i>Journal of Coastal Research</i> , 2007, 23, 1332.	0.1	21
41	Temporal variability in summertime bottom hypoxia in shallow areas of Mobile Bay, Alabama. <i>Estuaries and Coasts</i> , 2007, 30, 54-65.	1.0	82
42	A Tidal Prism Water Quality Model for Small Coastal Basins. <i>Coastal Management</i> , 2005, 33, 101-117.	1.0	14
43	Three-dimensional hydrodynamic-eutrophication model (HEM-3D): application to Kwang-Yang Bay, Korea. <i>Marine Environmental Research</i> , 2005, 60, 171-193.	1.1	126
44	Case Study: Mass Transport Mechanism in Kyunggi Bay around Han River Mouth, Korea. <i>Journal of Hydraulic Engineering</i> , 2002, 128, 257-267.	0.7	32
45	Application of a multi-step computation scheme to an intratidal estuarine water quality model. <i>Ecological Modelling</i> , 1998, 110, 281-292.	1.2	11
46	A multi-step computation scheme: Decoupling kinetic processes from physical transport in water quality models. <i>Water Research</i> , 1996, 30, 2255-2264.	5.3	16
47	A Numerical Model Study of Hypoxia in the Tidal Rappahannock River of Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 1996, 42, 563-581.	0.9	34
48	A Framework for Coupling Shoals and Shallow Embayments with Main Channels in Numerical Modeling of Coastal Plain Estuaries. <i>Estuaries and Coasts</i> , 1995, 18, 341.	1.7	24
49	Spatial and Temporal Variabilities of Hypoxia in the Rappahannock River, Virginia. <i>Estuaries and Coasts</i> , 1991, 14, 113.	1.7	61