Kyeong Park

List of Publications by Year
in descending order

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49 papers	1,580 citations	257450 24 h-index	315739 38 g-index
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. Estuaries and Coasts, 2022, 45, 428-444.	2.2	4
2	Water exchange and its relationships with external forcings and residence time in Chesapeake Bay. Journal of Marine Systems, 2021, 215, 103497.	2.1	17
3	Compounding factors for extreme flooding around Galveston Bay during Hurricane Harvey. Ocean Modelling, 2021, 158, 101735.	2.4	34
4	An inverse approach to estimate bacterial loading into an estuary by using field observations and residence time. Marine Environmental Research, 2021, 166, 105263.	2.5	3
5	Massive oyster kill in Galveston Bay caused by prolonged low-salinity exposure after Hurricane Harvey. Science of the Total Environment, 2021, 774, 145132.	8.0	33
6	Observations of dissolved oxygen variability and physical drivers in a shallow highly stratified estuary. Estuarine, Coastal and Shelf Science, 2021, 259, 107482.	2.1	8
7	Cascading Weather Events Amplify the Coastal Thermal Conditions Prior to the Shelf Transit of Hurricane Sally (2020). Journal of Geophysical Research: Oceans, 2021, 126, .	2.6	3
8	Observations of Restratification after a Wind Mixing Event in a Shallow Highly Stratified Estuary. Estuaries and Coasts, 2020, 43, 272-285.	2.2	6
9	Massive pollutants released to Galveston Bay during Hurricane Harvey: Understanding their retention and pathway using Lagrangian numerical simulations. Science of the Total Environment, 2020, 704, 135364.	8.0	34
10	Compounding impact of severe weather events fuels marine heatwave in the coastal ocean. Nature Communications, 2020, 11, 4623.	12.8	36
11	A Machineâ€Learningâ€Based Model for Water Quality in Coastal Waters, Taking Dissolved Oxygen and Hypoxia in Chesapeake Bay as an Example. Water Resources Research, 2020, 56, e2020WR027227.	4.2	30
12	A hydrodynamic model for Galveston Bay and the shelf in the northern Gulf of Mexico. Ocean Science, 2019, 15, 951-966.	3.4	19
13	Estuarine salinity recovery from an extreme precipitation event: Hurricane Harvey in Galveston Bay. Science of the Total Environment, 2019, 670, 1049-1059.	8.0	44
14	Dramatic hydrodynamic and sedimentary responses in Galveston Bay and adjacent inner shelf to Hurricane Harvey. Science of the Total Environment, 2019, 653, 554-564.	8.0	76
15	Tidal Response to Seaâ€Level Rise in Different Types of Estuaries: The Importance of Length, Bathymetry, and Geometry. Geophysical Research Letters, 2018, 45, 227-235.	4.0	104
16	Worsened physical condition due to climate change contributes to the increasing hypoxia in Chesapeake Bay. Science of the Total Environment, 2018, 630, 707-717.	8.0	69
17	A 3D unstructured-grid model for Chesapeake Bay: Importance of bathymetry. Ocean Modelling, 2018, 127, 16-39.	2.4	53
18	Water Column Stability and the Role of Velocity Shear on a Seasonally Stratified Shelf, Mississippi Bight, Northern Gulf of Mexico. Journal of Geophysical Research: Oceans, 2018, 123, 5777-5796.	2.6	10

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19	Role of Baroclinic Processes on Flushing Characteristics in a Highly Stratified Estuarine System, Mobile Bay, Alabama. Journal of Geophysical Research: Oceans, 2018, 123, 4518-4537.	2.6	33
20	Transport of Riverine Material From Multiple Rivers in the Chesapeake Bay: Important Control of Estuarine Circulation on the Material Distribution. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2998-3013.	3.0	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. Estuaries and Coasts, 2017, 40, 387-403.	2.2	17
22	Data processing for a smallâ€scale longâ€term coastal ocean observing system near Mobile Bay, Alabama. Earth and Space Science, 2016, 3, 510-522.	2.6	4
23	Water residence time in Chesapeake Bay for 1980â€“2012. Journal of Marine Systems, 2016, 164, 101-111.	2.1	94
24	Decoupling the influence of biological and physical processes on the dissolved oxygen in the Chesapeake Bay. Journal of Geophysical Research: Oceans, 2015, 120, 78-93.	2.6	45
25	The coupled estuarineâ€shelf response of a riverâ€dominated system during the transition from low to high discharge. Journal of Geophysical Research: Oceans, 2015, 120, 6145-6163.	2.6	25
26	Plugging the leak: Barrier island restoration following Hurricane Katrina enhances larval retention and improves salinity regime for oysters in Mobile Bay, Alabama. Marine Environmental Research, 2014, 94, 48-55.	2.5	13
27	Discussion of â€œAdaptive Time Steppingâ€“Operator Splitting Strategy to Couple Implicit Numerical Hydrodynamic and Water Quality Codesâ€•by Gaurav Savant and R. C. Berger. Journal of Environmental Engineering, ASCE, 2014, 140, 07014001.	1.4	0
28	Spatial variability of flow over a river-influenced inner shelf in coastal Alabama during spring. Continental Shelf Research, 2014, 74, 25-34.	1.8	16
29	Bathymetric influences on tidal currents at the entrance to a highly stratified, shallow estuary. Continental Shelf Research, 2013, 58, 1-11.	1.8	16
30	Establishing Restoration Strategy of Eastern Oyster via a Coupled Biophysical Transport Model. Restoration Ecology, 2013, 21, 353-362.	2.9	31
31	Importance of staratification 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. Journal of Geophysical Research, 2012, 117, .	3.3	18
33	Highâ€resolution comparison of sediment dynamics under different forcing conditions in the bottom boundary layer of a shallow, microâ€tidal estuary. Journal of Geophysical Research, 2012, 117, .	3.3	12
34	A modeling study of water and salt exchange for a micro-tidal, stratified northern Gulf of Mexico estuary. Journal of Marine Systems, 2012, 96-97, 103-115.	2.1	71
35	Subtidal across-shelf velocity structure and surface transport effectiveness on the Alabama shelf of the northeastern Gulf of Mexico. Journal of Geophysical Research, 2011, 116, .	3.3	13
36	Hydrographic variability on a coastal shelf directly influenced by estuarine outflow. Continental Shelf Research, 2011, 31, 939-950.	1.8	55

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37	Oyster larval transport in coastal Alabama: Dominance of physical transport over biological behavior in a shallow estuary. Journal of Geophysical Research, 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. Journal of Geophysical Research, 2010, 115, .	3.3	16
39	A Model Study of the Estuarine Turbidity Maximum along the Main Channel of the Upper Chesapeake Bay. Estuaries and Coasts, 2008, 31, 115-133.	2.2	27
40	The Effects of Hurricane Ivan in the Inner Part of Mobile Bay, Alabama. Journal of Coastal Research, 2007, 23, 1332.	0.3	21
41	Temporal variability in summertime bottom hypoxia in shallow areas of Mobile Bay, Alabama. Estuaries and Coasts, 2007, 30, 54-65.	2.2	82
42	A Tidal Prism Water Quality Model for Small Coastal Basins. Coastal Management, 2005, 33, 101-117.	2.0	14
43	Three-dimensional hydrodynamic-eutrophication model (HEM-3D): application to Kwang-Yang Bay, Korea. Marine Environmental Research, 2005, 60, 171-193.	2.5	126
44	Case Study: Mass Transport Mechanism in Kyunggi Bay around Han River Mouth, Korea. Journal of Hydraulic Engineering, 2002, 128, 257-267.	1.5	32
45	Application of a multi-step computation scheme to an intratidal estuarine water quality model. Ecological Modelling, 1998, 110, 281-292.	2.5	11
46	A multi-step computation scheme: Decoupling kinetic processes from physical transport in water quality models. Water Research, 1996, 30, 2255-2264.	11.3	16
47	A Numerical Model Study of Hypoxia in the Tidal Rappahannock River of Chesapeake Bay. Estuarine, Coastal and Shelf Science, 1996, 42, 563-581.	2.1	34
48	A Framework for Coupling Shoals and Shallow Embayments with Main Channels in Numerical Modeling of Coastal Plain Estuaries. Estuaries and Coasts, 1995, 18, 341.	1.7	24
49	Spatial and Temporal Variabilities of Hypoxia in the Rappahannock River, Virginia. Estuaries and Coasts, 1991, 14, 113.	1.7	61