# Kyeong Park

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9504325/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 1,580 citations | 257101 24 h-index | 315357 38 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 1324 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Three-dimensional hydrodynamic-eutrophication model (HEM-3D): application to Kwang-Yang Bay, Korea. Marine Environmental Research, 2005, 60, 171-193. | 1.1 | 126 |
| 2 | 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. | 1.5 | 104 |
| 3 | Water residence time in Chesapeake Bay for 1980â€“2012. Journal of Marine Systems, 2016, 164, 101-111. | 0.9 | 94 |
| 4 | Temporal variability in summertime bottom hypoxia in shallow areas of Mobile Bay, Alabama. Estuaries and Coasts, 2007, 30, 54-65. | 1.0 | 82 |
| 5 | Dramatic hydrodynamic and sedimentary responses in Galveston Bay and adjacent inner shelf to Hurricane Harvey. Science of the Total Environment, 2019, 653, 554-564. | 3.9 | 76 |
| 6 | 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. | 0.9 | 71 |
| 7 | Worsened physical condition due to climate change contributes to the increasing hypoxia in Chesapeake Bay. Science of the Total Environment, 2018, 630, 707-717. | 3.9 | 69 |
| 8 | Spatial and Temporal Variabilities of Hypoxia in the Rappahannock River, Virginia. Estuaries and Coasts, 1991, 14, 113. | 1.7 | 61 |
| 9 | Hydrographic variability on a coastal shelf directly influenced by estuarine outflow. Continental Shelf Research, 2011, 31, 939-950. | 0.9 | 55 |
| 10 | A 3D unstructured-grid model for Chesapeake Bay: Importance of bathymetry. Ocean Modelling, 2018, 127, 16-39. | 1.0 | 53 |
| 11 | 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. | 1.0 | 45 |
| 12 | Estuarine salinity recovery from an extreme precipitation event: Hurricane Harvey in Galveston Bay. Science of the Total Environment, 2019, 670, 1049-1059. | 3.9 | 44 |
| 13 | Compounding impact of severe weather events fuels marine heatwave in the coastal ocean. Nature Communications, 2020, 11, 4623. | 5.8 | 36 |
| 14 | 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 |
| 15 | A Numerical Model Study of Hypoxia in the Tidal Rappahannock River of Chesapeake Bay. Estuarine, Coastal and Shelf Science, 1996, 42, 563-581. | 0.9 | 34 |
| 16 | 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. | 3.9 | 34 |
| 17 | Compounding factors for extreme flooding around Galveston Bay during Hurricane Harvey. Ocean Modelling, 2021, 158, 101735. | 1.0 | 34 |
| 18 | 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. | 1.0 | 33 |

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|---|---|---|---|
| 19 | Massive oyster kill in Galveston Bay caused by prolonged low-salinity exposure after Hurricane Harvey. Science of the Total Environment, 2021, 774, 145132. | 3.9 | 33 |
| 20 | Case Study: Mass Transport Mechanism in Kyunggi Bay around Han River Mouth, Korea. Journal of Hydraulic Engineering, 2002, 128, 257-267. | 0.7 | 32 |
| 21 | Establishing Restoration Strategy of Eastern Oyster via a Coupled Biophysical Transport Model. Restoration Ecology, 2013, 21, 353-362. | 1.4 | 31 |
| 22 | 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. | 1.7 | 30 |
| 23 | A Model Study of the Estuarine Turbidity Maximum along the Main Channel of the Upper Chesapeake Bay. Estuaries and Coasts, 2008, 31, 115-133. | 1.0 | 27 |
| 24 | 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. | 1.0 | 25 |
| 25 | 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 |
| 26 | The Effects of Hurricane Ivan in the Inner Part of Mobile Bay, Alabama. Journal of Coastal Research, 2007, 23, 1332. | 0.1 | 21 |
| 27 | 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. | 1.3 | 21 |
| 28 | A hydrodynamic model for Galveston Bay and the shelf in the northern Gulf of Mexico. Ocean Science, 2019, 15, 951-966. | 1.3 | 19 |
| 29 | Subtidal circulation on the Alabama shelf during the Deepwater Horizon oil spill. Journal of Geophysical Research, 2012, 117, . | 3.3 | 18 |
| 30 | 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. | 1.0 | 17 |
| 31 | Water exchange and its relationships with external forcings and residence time in Chesapeake Bay. Journal of Marine Systems, 2021, 215, 103497. | 0.9 | 17 |
| 32 | A multi-step computation scheme: Decoupling kinetic processes from physical transport in water quality models. Water Research, 1996, 30, 2255-2264. | 5.3 | 16 |
| 33 | 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 |
| 34 | Bathymetric influences on tidal currents at the entrance to a highly stratified, shallow estuary. Continental Shelf Research, 2013, 58, 1-11. | 0.9 | 16 |
| 35 | Spatial variability of flow over a river-influenced inner shelf in coastal Alabama during spring. Continental Shelf Research, 2014, 74, 25-34. | 0.9 | 16 |
| 36 | A Tidal Prism Water Quality Model for Small Coastal Basins. Coastal Management, 2005, 33, 101-117. | 1.0 | 14 |

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| 37 | 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 |
| 38 | 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. | 1.1 | 13 |
| 39 | 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 |
| 40 | Application of a multi-step computation scheme to an intratidal estuarine water quality model. Ecological Modelling, 1998, 110, 281-292. | 1.2 | 11 |
| 41 | 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. | 1.0 | 10 |
| 42 | Observations of dissolved oxygen variability and physical drivers in a shallow highly stratified estuary. Estuarine, Coastal and Shelf Science, 2021, 259, 107482. | 0.9 | 8 |
| 43 | Observations of Restratification after a Wind Mixing Event in a Shallow Highly Stratified Estuary. Estuaries and Coasts, 2020, 43, 272-285. | 1.0 | 6 |
| 44 | Data processing for a smallâ€scale longâ€term coastal ocean observing system near Mobile Bay, Alabama. Earth and Space Science, 2016, 3, 510-522. | 1.1 | 4 |
| 45 | Hurricane Harvey Delivered a Massive Load of Mercury-Rich Sediment to Galveston Bay, TX, USA. Estuaries and Coasts, 2022, 45, 428-444. | 1.0 | 4 |
| 46 | An inverse approach to estimate bacterial loading into an estuary by using field observations and residence time. Marine Environmental Research, 2021, 166, 105263. | 1.1 | 3 |
| 47 | Cascading Weather Events Amplify the Coastal Thermal Conditions Prior to the Shelf Transit of Hurricane Sally (2020). Journal of Geophysical Research: Oceans, 2021, 126, . | 1.0 | 3 |
| 48 | Importance of staratification on mixing and transport in a shallow, micro-tidal northern Gulf of Mexico estuary. , 2012, , . | | 0 |
| 49 | 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. | 0.7 | 0 |