# Charles L Gallegos

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/53668/publications.pdf

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|---|---|---|---|
| 26<br>papers | 1,539<br>citations | 304743<br>22<br>h-index | 580821<br>25<br>g-index |
| 26<br>all docs | 26<br>docs citations | 26<br>times ranked | 1552<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Habitat requirements for submerged aquatic vegetation in Chesapeake Bay: Water quality, light regime, and physical-chemical factors. Estuaries and Coasts, 2004, 27, 363-377. | 1.7 | 166 |
| 2 | Photosynthesis and photoadaptation of marine phytoplankton in the arctic. Deep-sea Research Part A, Oceanographic Research Papers, 1982, 29, 1159-1170. | 1.5 | 139 |
| 3 | Modeling spectral diffuse attenuation, absorption, and scattering coefficients in a turbid estuary. Limnology and Oceanography, 1990, 35, 1486-1502. | 3.1 | 137 |
| 4 | Calculating Optical Water Quality Targets to Restore and Protect Submersed Aquatic Vegetation: Overcoming Problems in Partitioning the Diffuse Attenuation Coefficient for Photosynthetically Active Radiation. Estuaries and Coasts, 2001, 24, 381. | 1.7 | 126 |
| 5 | Bio-optics of the Chesapeake Bay from measurements and radiative transfer closure. Estuarine, Coastal and Shelf Science, 2006, 68, 348-362. | 2.1 | 101 |
| 6 | Remote sensing reflectance and inherent optical properties in the mid Chesapeake Bay. Estuarine, Coastal and Shelf Science, 2007, 72, 16-32. | 2.1 | 101 |
| 7 | Partitioning spectral absorption in case 2 waters: discrimination of dissolved and particulate components. Applied Optics, 2002, 41, 4220. | 2.1 | 60 |
| 8 | Longâ€term changes in light scattering in Chesapeake Bay inferred from Secchi depth, light attenuation, and remote sensing measurements. Journal of Geophysical Research, 2011, 116, . | 3.3 | 60 |
| 9 | Phytoplankton production and water motion in surface mixed layers. Deep-sea Research Part A, Oceanographic Research Papers, 1982, 29, 65-76. | 1.5 | 58 |
| 10 | Seagrass Depth Limits in the Indian River Lagoon (Florida, U.S.A.): Application of an Optical Water Quality Model. Estuarine, Coastal and Shelf Science, 1996, 42, 267-288. | 2.1 | 57 |
| 11 | Refining Habitat Requirements of Submersed Aquatic Vegetation: Role of Optical Models. Estuaries and Coasts, 1994, 17, 187. | 1.7 | 54 |
| 12 | Long-term trends, current status, and transitions of water quality in Chesapeake Bay. Scientific Reports, 2019, 9, 6709. | 3.3 | 54 |
| 13 | Predicting effects of ocean warming, acidification, and water quality on <scp>C</scp>hesapeake region eelgrass. Limnology and Oceanography, 2015, 60, 1781-1804. | 3.1 | 52 |
| 14 | Optical water quality of a blackwater river estuary: the Lower St. Johns River, Florida, USA. Estuarine, Coastal and Shelf Science, 2005, 63, 57-72. | 2.1 | 51 |
| 15 | Effects of a Prorocentrum minimum bloom on light availability for and potential impacts on submersed aquatic vegetation in upper Chesapeake Bay. Harmful Algae, 2005, 4, 553-574. | 4.8 | 47 |
| 16 | Variable climatic conditions dominate recent phytoplankton dynamics in Chesapeake Bay. Scientific Reports, 2016, 6, 23773. | 3.3 | 46 |
| 17 | Effects of watershed and estuarine characteristics on the abundance of submerged aquatic vegetation in Chesapeake Bay subestuaries. Estuaries and Coasts, 2007, 30, 840-854. | 2.2 | 41 |
| 18 | Impact of the Spring 2000 phytoplankton bloom in Chesapeake Bay on optical properties and light penetration in the Rhode River, Maryland. Estuaries and Coasts, 2002, 25, 508-518. | 1.7 | 39 |

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|---|---|---|---|
| 19 | Ecosystem Engineers in the Pelagic Realm: Alteration of Habitat by Species Ranging from Microbes to Jellyfish. Integrative and Comparative Biology, 2010, 50, 188-200. | 2.0 | 34 |
| 20 | Calibration of a Bio-optical Model in the North River, North Carolina (Albemarleâ€“Pamlico Sound): A Tool to Evaluate Water Quality Impacts on Seagrasses. Estuaries and Coasts, 2008, 31, 177-191. | 2.2 | 32 |
| 21 | Influence of near-bottom re-suspended sediment on benthic light availability. Estuarine, Coastal and Shelf Science, 2012, 106, 93-101. | 2.1 | 23 |
| 22 | Patterns of spectral, spatial, and longâ€term variability in light attenuation in an optically complex subâ€estuary. Limnology and Oceanography, 2019, 64, S257. | 3.1 | 23 |
| 23 | Long-term Dynamics of Phytoplankton in the Rhode River, Maryland (USA). Estuaries and Coasts, 2010, 33, 471-484. | 2.2 | 21 |
| 24 | Long-term variations in primary production in a eutrophic sub-estuary: Contribution of short-term events. Estuarine, Coastal and Shelf Science, 2015, 162, 22-34. | 2.1 | 9 |
| 25 | Seasonal to Inter-Annual Variability of Primary Production in Chesapeake Bay: Prospects to Reverse Eutrophication and Change Trophic Classification. Scientific Reports, 2020, 10, 2019. | 3.3 | 8 |
| 26 | Bio-Optical Characteristics and Remote Sensing in the Mid Chesapeake Bay Through Integration of Observations and Radiative Transfer Closure. Lecture Notes in Geoinformation and Cartography, 2009, , 139-168. | 1.0 | 0 |