Charles L Gallegos

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	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
3	Long-term trends, current status, and transitions of water quality in Chesapeake Bay. Scientific Reports, 2019, 9, 6709.	3.3	54
4	Variable climatic conditions dominate recent phytoplankton dynamics in Chesapeake Bay. Scientific Reports, 2016, 6, 23773.	3.3	46
5	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
6	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
7	Influence of near-bottom re-suspended sediment on benthic light availability. Estuarine, Coastal and Shelf Science, 2012, 106, 93-101.	2.1	23
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	Long-term Dynamics of Phytoplankton in the Rhode River, Maryland (USA). Estuaries and Coasts, 2010, 33, 471-484.	2.2	21
10	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
11	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
12	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
13	Remote sensing reflectance and inherent optical properties in the mid Chesapeake Bay. Estuarine, Coastal and Shelf Science, 2007, 72, 16-32.	2.1	101
14	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
15	Bio-optics of the Chesapeake Bay from measurements and radiative transfer closure. Estuarine, Coastal and Shelf Science, 2006, 68, 348-362.	2.1	101
16	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
17	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
18	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

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19	Partitioning spectral absorption in case 2 waters: discrimination of dissolved and particulate components. Applied Optics, 2002, 41, 4220.	2.1	60
20	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
21	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
22	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
23	Refining Habitat Requirements of Submersed Aquatic Vegetation: Role of Optical Models. Estuaries and Coasts, 1994, 17, 187.	1.7	54
24	Modeling spectral diffuse attenuation, absorption, and scattering coefficients in a turbid estuary. Limnology and Oceanography, 1990, 35, 1486-1502.	3.1	137
25	Phytoplankton production and water motion in surface mixed layers. Deep-sea Research Part A, Oceanographic Research Papers, 1982, 29, 65-76.	1.5	58
26	Photosynthesis and photoadaptation of marine phytoplankton in the arctic. Deep-sea Research Part A, Oceanographic Research Papers, 1982, 29, 1159-1170.	1.5	139