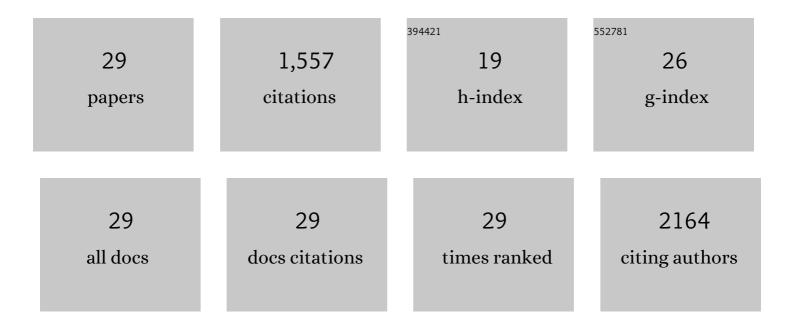
Heidi Dierssen

List of Publications by Year in descending order

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HEIDI DIEDSSEN

#	Article	IF	CITATIONS
1	Ocean color remote sensing of seagrass and bathymetry in the Bahamas Banks by highâ€resolution airborne imagery. Limnology and Oceanography, 2003, 48, 444-455.	3.1	236
2	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.	11.0	148
3	Perspectives on empirical approaches for ocean color remote sensing of chlorophyll in a changing climate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17073-17078.	7.1	144
4	Red and black tides: Quantitative analysis of waterâ€leaving radiance and perceived color for phytoplankton, colored dissolved organic matter, and suspended sediments. Limnology and Oceanography, 2006, 51, 2646-2659.	3.1	125
5	Satellite sensor requirements for monitoring essential biodiversity variables of coastal ecosystems. Ecological Applications, 2018, 28, 749-760.	3.8	116
6	Atmospheric Correction of Satellite Ocean-Color Imagery During the PACE Era. Frontiers in Earth Science, 2019, 7, .	1.8	98
7	A regional comparison of particle size distributions and the power law approximation in oceanic and estuarine surface waters. Journal of Geophysical Research, 2010, 115, .	3.3	84
8	Portable Remote Imaging Spectrometer coastal ocean sensor: design, characteristics, and first flight results. Applied Optics, 2014, 53, 1363.	1.8	81
9	Evaluating Light Availability, Seagrass Biomass, and Productivity Using Hyperspectral Airborne Remote Sensing in Saint Joseph's Bay, Florida. Estuaries and Coasts, 2014, 37, 1467-1489.	2.2	55
10	Potential export of unattached benthic macroalgae to the deep sea through windâ€driven Langmuir circulation. Geophysical Research Letters, 2009, 36, .	4.0	49
11	Optics and remote sensing of Bahamian carbonate sediment whitings and potential relationship to wind-driven Langmuir circulation. Biogeosciences, 2009, 6, 487-500.	3.3	45
12	A physics-based method for the remote sensing of seagrasses. Remote Sensing of Environment, 2016, 174, 134-147.	11.0	45
13	Living up to the Hype of Hyperspectral Aquatic Remote Sensing: Science, Resources and Outlook. Frontiers in Environmental Science, 2021, 9, .	3.3	39
14	Impacts of coal dust from an active mine on the spectral reflectance of Arctic surface snow in Svalbard, Norway. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1767-1778.	3.3	28
15	The Optical Properties of Greater Florida Bay: Implications for Seagrass Abundance. Estuaries and Coasts, 2011, 34, 1150-1160.	2.2	27
16	Hyperspectral Measurements, Parameterizations, and Atmospheric Correction of Whitecaps and Foam From Visible to Shortwave Infrared for Ocean Color Remote Sensing. Frontiers in Earth Science, 2019, 7, .	1.8	26
17	Use of Hyperspectral Imagery to Assess Cryptic Color Matching in Sargassum Associated Crabs. PLoS ONE, 2015, 10, e0136260.	2.5	23
18	Spectral characterization, radiative forcing and pigment content of coastal Antarctic snow algae: approaches to spectrally discriminate red and green communities and their impact on snowmelt. Cryosphere, 2021, 15, 133-148.	3.9	22

Heidi Dierssen

#	Article	IF	CITATIONS
19	Remote Sensing of Seagrass Leaf Area Index and Species: The Capability of a Model Inversion Method Assessed by Sensitivity Analysis and Hyperspectral Data of Florida Bay. Frontiers in Marine Science, 0, 4, .	2.5	21
20	Extending Landsat 8: Retrieval of an Orange contra-Band for Inland Water Quality Applications. Remote Sensing, 2020, 12, 637.	4.0	20
21	Benthic classification and IOP retrievals in shallow water environments using MERIS imagery. Remote Sensing of Environment, 2020, 249, 112015.	11.0	19
22	The Influence of a Sandy Substrate, Seagrass, or Highly Turbid Water on Albedo and Surface Heat Flux. Journal of Geophysical Research: Oceans, 2018, 123, 53-73.	2.6	17
23	Remote Sensing of Ocean Color. , 2013, , 439-472.		16
24	Water Column Optical Properties of Pacific Coral Reefs Across Geomorphic Zones and in Comparison to Offshore Waters. Remote Sensing, 2019, 11, 1757.	4.0	16
25	Pushing the Limits of Seagrass Remote Sensing in the Turbid Waters of Elkhorn Slough, California. Remote Sensing, 2019, 11, 1664.	4.0	15
26	Uncertainty in global downwelling plane irradiance estimates from sintered polytetrafluoroethylene plaque radiance measurements. Applied Optics, 2019, 58, 4497.	1.8	13
27	Influence of Three-Dimensional Coral Structures on Hyperspectral Benthic Reflectance and Water-Leaving Reflectance. Applied Sciences (Switzerland), 2018, 8, 2688.	2.5	12
28	QWIP: A Quantitative Metric for Quality Control of Aquatic Reflectance Spectral Shape Using the Apparent Visible Wavelength. Frontiers in Remote Sensing, 2022, 3, .	3.5	9
29	Bright Oceans: Spectral Differentiation of Whitecaps, Sea Ice, Plastics, and Other Flotsam. , 2020, , 197-208.		8