Sean W Bailey

List of Publications by Year
in descending order

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47 papers	4,148 citations	279487 23 h-index	315357 38 g-index
48 all docs	48 docs citations	48 times ranked	2949 citing authors

#	Article	IF	Citations
1	A multi-sensor approach for the on-orbit validation of ocean color satellite data products. Remote Sensing of Environment, 2006, 102, 12-23.	4.6	761
2	An improved in-situ bio-optical data set for ocean color algorithm development and satellite data product validation. Remote Sensing of Environment, 2005, 98, 122-140.	4.6	574
3	Generalized ocean color inversion model for retrieving marine inherent optical properties. Applied Optics, 2013, 52, 2019.	0.9	366
4	Estimation of near-infrared water-leaving reflectance for satellite ocean color data processing. Optics Express, 2010, 18, 7521.	1.7	340
5	Sensor-independent approach to the vicarious calibration of satellite ocean color radiometry. Applied Optics, 2007, 46, 5068.	2.1	291
6	Regional to global assessments of phytoplankton dynamics from the SeaWiFS mission. Remote Sensing of Environment, 2013, 135, 77-91.	4.6	254
7	Correction of sun glint contamination on the SeaWiFS ocean and atmosphere products. Applied Optics, 2001, 40, 4790.	2.1	193
8	Regional and seasonal variability of chlorophyll-a in Chesapeake Bay as observed by SeaWiFS and MODIS-Aqua. Remote Sensing of Environment, 2009, 113, 1319-1330.	4.6	130
9	Unique data repository facilitates ocean color satellite validation. Eos, 2003, 84, 377.	0.1	124
10	Landsat 8 remote sensing reflectance (Rrs) products: Evaluations, intercomparisons, and enhancements. Remote Sensing of Environment, 2017, 190, 289-301.	4.6	120
11	Ocean color measurements with the Operational Land Imager on Landsat-8: implementation and evaluation in SeaDAS. Journal of Applied Remote Sensing, 2015, 9, 096070.	0.6	116
12	Calibration of SeaWiFS II Vicarious techniques. Applied Optics, 2001, 40, 6701.	2.1	99
13	Evaluation of shortwave infrared atmospheric correction for ocean color remote sensing of Chesapeake Bay. Remote Sensing of Environment, 2010, 114, 2238-2247.	4.6	83
14	On-orbit calibration of SeaWiFS. Applied Optics, 2012, 51, 8702.	0.9	63
15	Mobile device application for monitoring cyanobacteria harmful algal blooms using Sentinel-3 satellite Ocean and Land Colour Instruments. Environmental Modelling and Software, 2018, 109, 93-103.	1.9	61
16	On-orbit calibration of the Suomi National Polar-Orbiting Partnership Visible Infrared Imaging Radiometer Suite for ocean color applications. Applied Optics, 2015, 54, 1984.	0.9	58
17	Improving Satellite Global Chlorophyll a Data Products Through Algorithm Refinement and Data Recovery. Journal of Geophysical Research: Oceans, 2019, 124, 1524-1543.	1.0	58
18	The continuity of ocean color measurements from SeaWiFS to MODIS. , 2005, , .		49

#	Article	IF	Citations
19	Sources and assumptions for the vicarious calibration of ocean color satellite observations. Applied Optics, 2008, 47, 2035.	2.1	49
20	Satellites for long-term monitoring of inland U.S. lakes: The MERIS time series and application for chlorophyll-a. Remote Sensing of Environment, 2021, 266, 112685.	4.6	46
21	On-orbit vicarious calibration of ocean color sensors using an ocean surface reflectance model. Applied Optics, 2007, 46, 5649.	2.1	39
22	Multiband Atmospheric Correction Algorithm for Ocean Color Retrievals. Frontiers in Earth Science, 2019, 7, .	0.8	34
23	Assessment of MERIS reflectance data as processed with SeaDAS over the European seas. Optics Express, 2011, 19, 25657.	1.7	31
24	SeaWiFS provides unique global aerosol optical property data. Eos, 2000, 81, 197.	0.1	28
25	Analysis of Fin Clips as a Nonlethal Method for Monitoring Mercury in Fish. Environmental Science & Technology, 2008, 42, 871-877.	4.6	21
26	Burrowing Dragonfly Larvae as Biosentinels of Methylmercury in Freshwater Food Webs. Environmental Science & Technology, 2013, 47, 130711145857008.	4.6	19
27	Skin Sea-Surface Temperature from VIIRS on Suomi-NPPâ€”NASA Continuity Retrievals. Remote Sensing, 2020, 12, 3369.	1.8	17
28	Cross-calibration of MODIS and VIIRS long near infrared bands for ocean color science and applications. Remote Sensing of Environment, 2021, 260, 112439.	4.6	15
29	Mercury in streams at Grand Portage National Monument (Minnesota, USA): Assessment of ecosystem sensitivity and ecological risk. Science of the Total Environment, 2015, 514, 192-201.	3.9	11
30	Evaluating potential effects of bigheaded carps on fatty acid profiles of multiple trophic levels in large rivers of the Midwest, USA. Food Webs, 2018, 16, e00095.	0.5	11
31	Approach for the long-term spatial and temporal evaluation of ocean color satellite data products in a coastal environment. , 2007, , .		10
32	Comparison of SeaWiFS on-orbit lunar and vicarious calibrations. , 2006, , .		9
33	Vicarious calibration of GOCI for the SeaDAS ocean color retrieval. International Journal of Remote Sensing, 2019, 40, 3984-4001.	1.3	9
34	VIIRS on-orbit calibration for ocean color data processing. , 2012, , .		8
35	SIMBIOS program in support of ocean color missions: 1997-2003. , 2003, 5155, 49.		7
36	Associations between cyanobacteria and indices of secondary production in the western basin of Lake Erie. Limnology and Oceanography, 2018, 63, S232.	1.6	7

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37	Water column nutrient processing rates in rivermouths of Green Bay (Lake Michigan). Biogeochemistry, 2019, 142, 73-93.	1.7	7
38	Analysis of simultaneous aerosol and ocean glint retrieval using multi-angle observations. Atmospheric Measurement Techniques, 2021, 14, 3233-3252.	1.2	6
39	On-orbit calibration of SeaWiFS: revised temperature and gain corrections. , 2007, , .		5
40	Optimal estimation framework for ocean color atmospheric correction and pixel-level uncertainty quantification. Applied Optics, 2022, 61, 6453.	0.9	5
41	SeaWiFS on-orbit gain and detector calibrations: effect on ocean products. Applied Optics, 2007, 46, 6733.	2.1	4
42	Calibration of SeaWiFS on orbit. , 2000, 4135, 281.		3
43	Sensitivity of Satellite Ocean Color Data to System Vicarious Calibration of the Long Near Infrared Band. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2562-2578.	2.7	3
44	<title>New approach to atmospheric correction of satellite ocean color data</title>. , 2007, 6615, 11.		1
45	On Orbit Calibration of Ocean Color Reflective Solar Bands. Experimental Methods in the Physical Sciences, 2014, , 121-152.	0.1	1
46	The NASA OBPG 2020 on-orbit calibration of SNPP VIIRS for ocean color applications. , 2019, , .		1
47	Vicarious Calibration of the Long Near Infrared Band: Cross-Sensor Differences in Sensitivity. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	2.7	1