

# 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	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
2	Optimal estimation framework for ocean color atmospheric correction and pixel-level uncertainty quantification. Applied Optics, 2022, 61, 6453.	0.9	5
3	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
4	Analysis of simultaneous aerosol and ocean glint retrieval using multi-angle observations. Atmospheric Measurement Techniques, 2021, 14, 3233-3252.	1.2	6
5	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
6	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
7	Skin Sea-Surface Temperature from VIIRS on Suomi-NPP's NASA Continuity Retrievals. Remote Sensing, 2020, 12, 3369.	1.8	17
8	Multiband Atmospheric Correction Algorithm for Ocean Color Retrievals. Frontiers in Earth Science, 2019, 7, .	0.8	34
9	Water column nutrient processing rates in rivermouths of Green Bay (Lake Michigan). Biogeochemistry, 2019, 142, 73-93.	1.7	7
10	Vicarious calibration of GOCI for the SeaDAS ocean color retrieval. International Journal of Remote Sensing, 2019, 40, 3984-4001.	1.3	9
11	Improving Satellite Global Chlorophyll <i>a</i> Data Products Through Algorithm Refinement and Data Recovery. Journal of Geophysical Research: Oceans, 2019, 124, 1524-1543.	1.0	58
12	The NASA OBPG 2020 on-orbit calibration of SNPP VIIRS for ocean color applications. , 2019, , .		1
13	Associations between cyanobacteria and indices of secondary production in the western basin of Lake Erie. Limnology and Oceanography, 2018, 63, S232.	1.6	7
14	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
15	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
16	Landsat 8 remote sensing reflectance (Rrs) products: Evaluations, intercomparisons, and enhancements. Remote Sensing of Environment, 2017, 190, 289-301.	4.6	120
17	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
18	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

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19	On-orbit calibration of the Suomi National Polar-Orbiting Partnership Visible Infrared Imaging Radiometer Suite for ocean color applications. <i>Applied Optics</i> , 2015, 54, 1984.	0.9	58
20	On Orbit Calibration of Ocean Color Reflective Solar Bands. <i>Experimental Methods in the Physical Sciences</i> , 2014, , 121-152.	0.1	1
21	Regional to global assessments of phytoplankton dynamics from the SeaWiFS mission. <i>Remote Sensing of Environment</i> , 2013, 135, 77-91.	4.6	254
22	Burrowing Dragonfly Larvae as Biosentinels of Methylmercury in Freshwater Food Webs. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130711145857008.	4.6	19
23	Generalized ocean color inversion model for retrieving marine inherent optical properties. <i>Applied Optics</i> , 2013, 52, 2019.	0.9	366
24	On-orbit calibration of SeaWiFS. <i>Applied Optics</i> , 2012, 51, 8702.	0.9	63
25	VIIRS on-orbit calibration for ocean color data processing. , 2012, , .		8
26	Assessment of MERIS reflectance data as processed with SeaDAS over the European seas. <i>Optics Express</i> , 2011, 19, 25657.	1.7	31
27	Evaluation of shortwave infrared atmospheric correction for ocean color remote sensing of Chesapeake Bay. <i>Remote Sensing of Environment</i> , 2010, 114, 2238-2247.	4.6	83
28	Estimation of near-infrared water-leaving reflectance for satellite ocean color data processing. <i>Optics Express</i> , 2010, 18, 7521.	1.7	340
29	Regional and seasonal variability of chlorophyll-a in Chesapeake Bay as observed by SeaWiFS and MODIS-Aqua. <i>Remote Sensing of Environment</i> , 2009, 113, 1319-1330.	4.6	130
30	Analysis of Fin Clips as a Nonlethal Method for Monitoring Mercury in Fish. <i>Environmental Science &amp; Technology</i> , 2008, 42, 871-877.	4.6	21
31	Sources and assumptions for the vicarious calibration of ocean color satellite observations. <i>Applied Optics</i> , 2008, 47, 2035.	2.1	49
32	<title>New approach to atmospheric correction of satellite ocean color data</title>. , 2007, 6615, 11.		1
33	Approach for the long-term spatial and temporal evaluation of ocean color satellite data products in a coastal environment. , 2007, , .		10
34	On-orbit calibration of SeaWiFS: revised temperature and gain corrections. , 2007, , .		5
35	Sensor-independent approach to the vicarious calibration of satellite ocean color radiometry. <i>Applied Optics</i> , 2007, 46, 5068.	2.1	291
36	On-orbit vicarious calibration of ocean color sensors using an ocean surface reflectance model. <i>Applied Optics</i> , 2007, 46, 5649.	2.1	39

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37	SeaWiFS on-orbit gain and detector calibrations: effect on ocean products. Applied Optics, 2007, 46, 6733.	2.1	4
38	Comparison of SeaWiFS on-orbit lunar and vicarious calibrations. , 2006, , .		9
39	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
40	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
41	The continuity of ocean color measurements from SeaWiFS to MODIS. , 2005, , .		49
42	Unique data repository facilitates ocean color satellite validation. Eos, 2003, 84, 377.	0.1	124
43	SIMBIOS program in support of ocean color missions: 1997-2003. , 2003, 5155, 49.		7
44	Correction of sun glint contamination on the SeaWiFS ocean and atmosphere products. Applied Optics, 2001, 40, 4790.	2.1	193
45	Calibration of SeaWiFS II Vicarious techniques. Applied Optics, 2001, 40, 6701.	2.1	99
46	Calibration of SeaWiFS on orbit. , 2000, 4135, 281.		3
47	SeaWiFS provides unique global aerosol optical property data. Eos, 2000, 81, 197.	0.1	28