

# Vittorio Brando

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

6,340  
citations

76326

40  
h-index

69250

77  
g-index

100  
all docs

100  
docs citations

100  
times ranked

6607  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 lockdown effects on a coastal marine environment: Disentangling perception versus reality. Science of the Total Environment, 2022, 817, 153002.	8.0	14
2	Assessing the influence of different validation protocols on Ocean Colour match-up analyses. Remote Sensing of Environment, 2021, 259, 112415.	11.0	22
3	Single dual mode (continuous and cast) instrumentation package for inherent optical property measurements: Characterization of the bucket for backscattering observation. Limnology and Oceanography: Methods, 2021, 19, 510-522.	2.0	0
4	Phytoplankton Bloom Dynamics in the Baltic Sea Using a Consistently Reprocessed Time Series of Multi-Sensor Reflectance and Novel Chlorophyll-a Retrievals. Remote Sensing, 2021, 13, 3071.	4.0	7
5	A three-step semi analytical algorithm (3SAA) for estimating inherent optical properties over oceanic, coastal, and inland waters from remote sensing reflectance. Remote Sensing of Environment, 2021, 263, 112537.	11.0	18
6	Trilateral Water Quality Monitoring from Space during Covid-19. , 2021, , .		1
7	Satellite Based Analyses on Potential Effects of the Covid19 Lockdown over Coastal Areas: The ESA-Race Soon Project. , 2021, , .		0
8	Hyperspectral Prisma Products of Aquatic Systems. , 2021, , .		5
9	Sentinel-2 remote sensing of Zostera noltei-dominated intertidal seagrass meadows. Remote Sensing of Environment, 2020, 251, 112020.	11.0	52
10	First Evaluation of PRISMA Level 1 Data for Water Applications. Sensors, 2020, 20, 4553.	3.8	44
11	Particulate Optical Properties in the Mediterranean and Black Seas Through Calipso Spaceborne Lidar Measurements. EPJ Web of Conferences, 2020, 237, 01014.	0.3	0
12	A Virtual Geostationary Ocean Color Sensor to Analyze the Coastal Optical Variability. Remote Sensing, 2020, 12, 1539.	4.0	7
13	Seasonal distributions of ocean particulate optical properties from spaceborne lidar measurements in Mediterranean and Black sea. Remote Sensing of Environment, 2020, 247, 111889.	11.0	30
14	Remote sensing of shallow waters " A 50-year retrospective and future directions. Remote Sensing of Environment, 2020, 240, 111619.	11.0	158
15	COVID-19 lockdown measures reveal human impact on water transparency in the Venice Lagoon. Science of the Total Environment, 2020, 736, 139612.	8.0	131
16	Data Needs for Hyperspectral Detection of Algal Diversity Across the Globe. Oceanography, 2020, 33, 74-79.	1.0	24
17	Imaging Spectrometry of Inland and Coastal Waters: State of the Art, Achievements and Perspectives. Surveys in Geophysics, 2019, 40, 401-429.	4.6	88
18	Coastal mixing in multiple-mouth deltas: A case study in the Po delta, Italy. Estuarine, Coastal and Shelf Science, 2019, 226, 106254.	2.1	7

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19	An Ocean-Colour Time Series for Use in Climate Studies: The Experience of the Ocean-Colour Climate Change Initiative (OC-CCI). <i>Sensors</i> , 2019, 19, 4285.	3.8	239
20	Particulate Backscattering Ratio as an Indicator of Changing Particle Composition in Coastal Waters: Observations From Great Barrier Reef Waters. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5485-5502.	2.6	19
21	Copernicus Marine Service Ocean State Report, Issue 3. <i>Journal of Operational Oceanography</i> , 2019, 12, S1-S123.	1.2	66
22	Using overlapping VIIRS scenes to observe short term variations in particulate matter in the coastal environment. <i>Remote Sensing of Environment</i> , 2019, 233, 111367.	11.0	9
23	From Observation to Information and Users: The Copernicus Marine Service Perspective. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	135
24	Mediterranean ocean colour Level 3 operational multi-sensor processing. <i>Ocean Science</i> , 2019, 15, 127-146.	3.4	44
25	Linking flow-stream variability to grain size distribution of suspended sediment from a satellite-based analysis of the Tiber River plume (Tyrrhenian Sea). <i>Scientific Reports</i> , 2019, 9, 19729.	3.3	8
26	A compilation of global bio-optical in situ data for ocean-colour satellite applications “version two. <i>Earth System Science Data</i> , 2019, 11, 1037-1068.	9.9	43
27	Spatio-temporal analysis of prodelta dynamics by means of new satellite generation: the case of Po river by Landsat-8 data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 66, 210-225.	2.8	16
28	Phenology of <i>Trichodesmium</i> spp. blooms in the Great Barrier Reef lagoon, Australia, from the ESA-MERIS 10-year mission. <i>PLoS ONE</i> , 2018, 13, e0208010.	2.5	25
29	Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142.	1.2	96
30	Global Distribution of Non-Algal Particles From Ocean Color Data and Implications for Phytoplankton Biomass Detection. <i>Geophysical Research Letters</i> , 2018, 45, 7672-7682.	4.0	28
31	Coral reef applications of Sentinel-2: Coverage, characteristics, bathymetry and benthic mapping with comparison to Landsat 8. <i>Remote Sensing of Environment</i> , 2018, 216, 598-614.	11.0	162
32	Impact of wet season river flood discharge on phytoplankton absorption properties in the southern Great Barrier Reef region coastal waters. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 196, 379-386.	2.1	7
33	Mapping turbidity patterns in the Po river prodelta using multi-temporal Landsat 8 imagery. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 555-567.	2.1	37
34	Bio-Optical Properties of Two Neighboring Coastal Regions of Tropical Northern Australia: The Van Diemen Gulf and Darwin Harbour. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	8
35	Preface: Oceanographic processes on the continental shelf: observations and modeling. <i>Ocean Science</i> , 2017, 13, 495-501.	3.4	1
36	Bio-optical Modeling of Total Suspended Solids. , 2017, , 129-156.		10

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37	Effects of Per-Pixel Variability on Uncertainties in Bathymetric Retrievals from High-Resolution Satellite Images. <i>Remote Sensing</i> , 2016, 8, 459.	4.0	24
38	Mapping Submerged Habitats and Mangroves of Lampi Island Marine National Park (Myanmar) from in Situ and Satellite Observations. <i>Remote Sensing</i> , 2016, 8, 2.	4.0	40
39	The Potential of Autonomous Ship-Borne Hyperspectral Radiometers for the Validation of Ocean Color Radiometry Data. <i>Remote Sensing</i> , 2016, 8, 150.	4.0	39
40	Physical oceanographic processes influence bio-optical properties in the Tasman Sea. <i>Journal of Sea Research</i> , 2016, 110, 1-7.	1.6	7
41	Absorption correction and phase function shape effects on the closure of apparent optical properties. <i>Applied Optics</i> , 2016, 55, 8618.	2.1	13
42	A compilation of global bio-optical in situ data for ocean-colour satellite applications. <i>Earth System Science Data</i> , 2016, 8, 235-252.	9.9	56
43	High-resolution satellite turbidity and sea surface temperature observations of river plume interactions during a significant flood event. <i>Ocean Science</i> , 2015, 11, 909-920.	3.4	78
44	Imaging Spectrometry of Inland Water Quality in Italy Using MIVIS: An Overview. <i>Handbook of Environmental Chemistry</i> , 2015, , 61-83.	0.4	0
45	Measuring freshwater aquatic ecosystems: The need for a hyperspectral global mapping satellite mission. <i>Remote Sensing of Environment</i> , 2015, 167, 181-195.	11.0	191
46	The relationship between dissolved organic matter absorption and dissolved organic carbon in reservoirs along a temperate to tropical gradient. <i>Remote Sensing of Environment</i> , 2015, 156, 395-402.	11.0	54
47	Airborne hyperspectral data to assess suspended particulate matter and aquatic vegetation in a shallow and turbid lake. <i>Remote Sensing of Environment</i> , 2015, 157, 48-57.	11.0	98
48	CoastColour Round Robin data sets: a database to evaluate the performance of algorithms for the retrieval of water quality parameters in coastal waters. <i>Earth System Science Data</i> , 2015, 7, 319-348.	9.9	52
49	Hyperspectral observations of optical properties in lakes in perspective of future satellite sensors "A case study in ITALY." , 2014, , .		1
50	ESA-MERIS 10-Year Mission Reveals Contrasting Phytoplankton Bloom Dynamics in Two Tropical Regions of Northern Australia. <i>Remote Sensing</i> , 2014, 6, 2963-2988.	4.0	28
51	Evaluation of Multi-Resolution Satellite Sensors for Assessing Water Quality and Bottom Depth of Lake Garda. <i>Sensors</i> , 2014, 14, 24116-24131.	3.8	88
52	Coral community responses to declining water quality: Whitsunday Islands, Great Barrier Reef, Australia. <i>Coral Reefs</i> , 2014, 33, 923-938.	2.2	62
53	Influence of river discharge and ocean currents on coastal optical properties. <i>Continental Shelf Research</i> , 2014, 84, 188-203.	1.8	21
54	A Wavelet Approach for Estimating Chlorophyll-A From Inland Waters With Reflectance Spectroscopy. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 89-93.	3.1	14

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55	Noise Estimation of Remote Sensing Reflectance Using a Segmentation Approach Suitable for Optically Shallow Waters. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 7504-7512.	6.3	6
56	A review of ocean color remote sensing methods and statistical techniques for the detection, mapping and analysis of phytoplankton blooms in coastal and open oceans. Progress in Oceanography, 2014, 123, 123-144.	3.2	424
57	IMOS National Reference Stations: A Continental-Wide Physical, Chemical and Biological Coastal Observing System. PLoS ONE, 2014, 9, e113652.	2.5	81
58	Increased spectral resolution enhances coral detection under varying water conditions. Remote Sensing of Environment, 2013, 131, 247-261.	11.0	58
59	Satellite data assimilation and estimation of a 3D coastal sediment transport model using error-subspace emulators. Environmental Modelling and Software, 2013, 40, 191-201.	4.5	34
60	Generalized ocean color inversion model for retrieving marine inherent optical properties. Applied Optics, 2013, 52, 2019.	1.8	366
61	Inland water quality monitoring in Australia. , 2013, , .		0
62	Adaptive semianalytical inversion of ocean color radiometry in optically complex waters. Applied Optics, 2012, 51, 2808.	1.8	90
63	The case for a global inland water quality product. , 2012, , .		12
64	Review of constituent retrieval in optically deep and complex waters from satellite imagery. Remote Sensing of Environment, 2012, 118, 116-126.	11.0	388
65	Long term monitoring of photosystem II herbicides " Correlation with remotely sensed freshwater extent to monitor changes in the quality of water entering the Great Barrier Reef, Australia. Marine Pollution Bulletin, 2012, 65, 292-305.	5.0	82
66	Inter-annual variability of wet season freshwater plume extent into the Great Barrier Reef lagoon based on satellite coastal ocean colour observations. Marine Pollution Bulletin, 2012, 65, 210-223.	5.0	84
67	Review of fluorescent standards for calibration of in situ fluorometers: Recommendations applied in coastal and ocean observing programs. Optics Express, 2011, 19, 26768.	3.4	36
68	Intercomparison of shallow water bathymetry, hydroacoustics, and benthos mapping techniques in Australian and Caribbean coastal environments. Limnology and Oceanography: Methods, 2011, 9, 396-425.	2.0	246
69	Remote sensing of water quality in an Australian tropical freshwater impoundment using matrix inversion and MERIS images. Remote Sensing of Environment, 2011, 115, 2402-2414.	11.0	59
70	Optimizing classification accuracy of estuarine macrophytes: By combining spatial and physics-based image analysis. , 2010, , .		0
71	Dispersal of suspended sediments and nutrients in the Great Barrier Reef lagoon during river-discharge events: conclusions from satellite remote sensing and concurrent flood-plume sampling. Marine and Freshwater Research, 2010, 61, 651.	1.3	114
72	The Lucinda Jetty Coastal Observatory's role in satellite ocean colour calibration and validation for Great Barrier Reef coastal waters. , 2010, , .		1

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73	A physics based retrieval and quality assessment of bathymetry from suboptimal hyperspectral data. Remote Sensing of Environment, 2009, 113, 755-770.	11.0	279
74	Bio-optical variability of the absorption and scattering properties of the Queensland inshore and reef waters, Australia. Journal of Geophysical Research, 2009, 114, .	3.3	81
75	Mapping seagrass species, cover and biomass in shallow waters: An assessment of satellite multi-spectral and airborne hyper-spectral imaging systems in Moreton Bay (Australia). Remote Sensing of Environment, 2008, 112, 3413-3425.	11.0	252
76	Seabird bycatch mitigation and blue-dyed bait: A spectral and experimental assessment. Biological Conservation, 2008, 141, 1354-1364.	4.1	15
77	Guest Editorial: Coastal Aquatic Remote Sensing Applications for Environmental Monitoring and Management. Journal of Applied Remote Sensing, 2007, 1, 011599.	1.3	3
78	Toward assimilation of ocean colour satellite observation into coastal ocean biogeochemical models: the tropical Fitzroy River Estuary case study. Proceedings of SPIE, 2007, , .	0.8	2
79	Validity of SeaDAS water constituents retrieval algorithms in Australian tropical coastal waters. Geophysical Research Letters, 2007, 34, .	4.0	42
80	Assessment of water quality in Lake Garda (Italy) using Hyperion. Remote Sensing of Environment, 2007, 109, 183-195.	11.0	234
81	Remote Sensing of Seagrass Ecosystems: Use of Spaceborne and Airborne Sensors. , 2007, , 347-359.		16
82	Monitoring toxic cyanobacteria Lyngbya majuscula (Gomont) in Moreton Bay, Australia by integrating satellite image data and field mapping. Harmful Algae, 2006, 5, 45-56.	4.8	40
83	Mapping water quality and substrate cover in optically complex coastal and reef waters: an integrated approach. Marine Pollution Bulletin, 2005, 51, 459-469.	5.0	80
84	Retrospective seagrass change detection in a shallow coastal tidal Australian lake. Remote Sensing of Environment, 2005, 97, 415-433.	11.0	156
85	RETROSPECTIVE CHANGE DETECTION IN A SHALLOW COASTAL TIDAL LAKE: MAPPING SEAGRASSES IN WALLIS LAKE, AUSTRALIA. , 2004, , .		1
86	Assessment of environmental management effects in a shallow water basin using mass-balance models. Ecological Modelling, 2004, 172, 213-232.	2.5	49
87	A methodology for retrieval of environmental noise equivalent spectra applied to four Hyperion scenes of the same tropical coral reef. Remote Sensing of Environment, 2004, 93, 188-197.	11.0	65
88	Satellite hyperspectral remote sensing for estimating estuarine and coastal water quality. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1378-1387.	6.3	408
89	Hyperspectral aerial images. A valuable tool for submerged vegetation recognition in the Orbetello Lagoons, Italy. International Journal of Remote Sensing, 1999, 20, 523-533.	2.9	42
90	Long term simulations of population dynamics of Ulva r. in the lagoon of Venice. Ecological Modelling, 1997, 102, 259-272.	2.5	39

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91	Simulation of the seasonal evolution of macroalgae in the lagoon of Venice. Environmental Modeling and Assessment, 1997, 2, 65-71.	2.2	8
92	Approaches for monitoring benthic and water column biophysical properties in Australian coastal environments. , 0, , .		4
93	Remote sensing of a cyanobacterial bloom (Lyngbya majuscula) in Moreton Bay, Australia. , 0, , .		4
94	Hyperspectral imaging for benthic species recognition in shallow coastal waters. , 0, , .		2
95	“Flex 2018” Cruise: an opportunity to assess phytoplankton chlorophyll fluorescence retrieval at different observative scales. Proceedings E Report, 0, , 688-697.	0.0	0