

Peter R C S Fearn

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,462
citations

394421

19
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1642
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercomparison of shallow water bathymetry, hydroacoustics, and benthos mapping techniques in Australian and Caribbean coastal environments. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 396-425.	2.0	246
2	Inter- and intra-annual patterns of <i>Ulva prolifera</i> green tides in the Yellow Sea during 2007–2009, their origin and relationship to the expansion of coastal seaweed aquaculture in China. <i>Marine Pollution Bulletin</i> , 2011, 62, 1169-1182.	5.0	233
3	Recurrence of the world's largest green-tide in 2009 in Yellow Sea, China: <i>Porphyra yezoensis</i> aquaculture rafts confirmed as nursery for macroalgal blooms. <i>Marine Pollution Bulletin</i> , 2010, 60, 1423-1432.	5.0	230
4	Retrieving key benthic cover types and bathymetry from hyperspectral imagery. <i>Journal of Applied Remote Sensing</i> , 2007, 1, 011505.	1.3	88
5	The effect of the Leeuwin Current on phytoplankton biomass and production off Southwestern Australia. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
6	Quantification of floating macroalgae blooms using the scaled algae index. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 26-42.	2.6	55
7	Shallow water substrate mapping using hyperspectral remote sensing. <i>Continental Shelf Research</i> , 2011, 31, 1249-1259.	1.8	47
8	Early recovery dynamics of turbid coral reefs after recurring bleaching events. <i>Journal of Environmental Management</i> , 2020, 268, 110666.	7.8	47
9	A Method to Analyze the Potential of Optical Remote Sensing for Benthic Habitat Mapping. <i>Remote Sensing</i> , 2015, 7, 13157-13189.	4.0	39
10	A Semi-Analytic Model for Estimating Total Suspended Sediment Concentration in Turbid Coastal Waters of Northern Western Australia Using MODIS-Aqua 250 m Data. <i>Remote Sensing</i> , 2016, 8, 556.	4.0	39
11	Impact of the spatial resolution of satellite remote sensing sensors in the quantification of total suspended sediment concentration: A case study in turbid waters of Northern Western Australia. <i>PLoS ONE</i> , 2017, 12, e0175042.	2.5	38
12	Detecting trend and seasonal changes in bathymetry derived from HICO imagery: A case study of Shark Bay, Western Australia. <i>Remote Sensing of Environment</i> , 2014, 147, 186-205.	11.0	37
13	Review of fluorescent standards for calibration of in situ fluorometers: Recommendations applied in coastal and ocean observing programs. <i>Optics Express</i> , 2011, 19, 26768.	3.4	36
14	The effects of suspended sediment on coral reef fish assemblages and feeding guilds of north-west Australia. <i>Coral Reefs</i> , 2018, 37, 659-673.	2.2	33
15	Digitise This! A Quick and Easy Remote Sensing Method to Monitor the Daily Extent of Dredge Plumes. <i>PLoS ONE</i> , 2012, 7, e51668.	2.5	30
16	A Quantitative Comparison of Total Suspended Sediment Algorithms: A Case Study of the Last Decade for MODIS and Landsat-Based Sensors. <i>Remote Sensing</i> , 2016, 8, 810.	4.0	28
17	Improving the optimization solution for a semi-analytical shallow water inversion model in the presence of spectrally correlated noise. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 651-669.	2.0	26
18	Bottom Reflectance in Ocean Color Satellite Remote Sensing for Coral Reef Environments. <i>Remote Sensing</i> , 2015, 7, 16756-16777.	4.0	20

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19	Atmospheric correction of geostationary Himawari-8 satellite data for Total Suspended Sediment mapping: A case study in the Coastal Waters of Western Australia. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 144, 81-93.	11.1	20
20	Record high damselfish recruitment at Rottneest Island, Western Australia, and the potential for climate-induced range extension. <i>Regional Studies in Marine Science</i> , 2016, 8, 77-88.	0.7	19
21	Seagrass Canopy Photosynthetic Response Is a Function of Canopy Density and Light Environment: A Model for <i>Amphibolis griffithii</i> . <i>PLoS ONE</i> , 2014, 9, e111454.	2.5	18
22	Modelling the potential transport of tropical fish larvae in the Leeuwin Current. <i>Continental Shelf Research</i> , 2011, 31, 2018-2040.	1.8	17
23	Tropical Cyclone-Driven Sediment Dynamics Over the Australian North West Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 10225-10244.	2.6	13
24	Identifying Metocean Drivers of Turbidity Using 18 Years of MODIS Satellite Data: Implications for Marine Ecosystems under Climate Change. <i>Remote Sensing</i> , 2021, 13, 3616.	4.0	13
25	The Hillarys Transect (3): Optical and chlorophyll relationships across the continental shelf off Perth. <i>Continental Shelf Research</i> , 2007, 27, 1719-1746.	1.8	8
26	The biogeomorphology of Shark Bay's microbialite coasts. <i>Earth-Science Reviews</i> , 2020, 205, 102921.	9.1	7
27	Evaluating 3D-printed Bolus Compared to Conventional Bolus Types Used in External Beam Radiation Therapy. <i>Current Medical Imaging</i> , 2021, 17, 820-831.	0.8	6
28	Simple remote sensing detection of <i>Corymbia calophylla</i> flowers using common 3-band imaging sensors. <i>Remote Sensing Applications: Society and Environment</i> , 2018, 11, 51-63.	1.5	3
29	<title>Retrieval of chlorophyll concentration via inversion of ocean reflectance: a modeling approach</title>. , 1997, 2963, 408.		0
30	Hyperspectral remote sensing of Western Australian coastal waters. , 2003, , .		0
31	Modeling ocean color. , 2003, , .		0
32	Cloud Cover Correction of Detected Hotspots Over Indonesia. <i>Advanced Science Letters</i> , 2015, 21, 3591-3593.	0.2	0