Peter R C S Fearns

List of Publications by Year
in descending order

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	Evaluating 3D-printed Bolus Compared to Conventional Bolus Types Used in External Beam Radiation Therapy. Current Medical Imaging, 2021, 17, 820-831.	0.8	6
2	Identifying Metocean Drivers of Turbidity Using 18 Years of MODIS Satellite Data: Implications for Marine Ecosystems under Climate Change. Remote Sensing, 2021, 13, 3616.	4.0	13
3	The biogeomorphology of Shark Bay's microbialite coasts. Earth-Science Reviews, 2020, 205, 102921.	9.1	7
4	Early recovery dynamics of turbid coral reefs after recurring bleaching events. Journal of Environmental Management, 2020, 268, 110666.	7.8	47
5	Atmospheric correction of geostationary Himawari-8 satellite data for Total Suspended Sediment mapping: A case study in the Coastal Waters of Western Australia. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 81-93.	11.1	20
6	The effects of suspended sediment on coral reef fish assemblages and feeding guilds of north-west Australia. Coral Reefs, 2018, 37, 659-673.	2.2	33
7	Simple remote sensing detection of Corymbia calophylla flowers using common 3 â€“band imaging sensors. Remote Sensing Applications: Society and Environment, 2018, 11, 51-63.	1.5	3
8	Tropical Cycloneâ€Driven Sediment Dynamics Over the Australian North West Shelf. Journal of Geophysical Research: Oceans, 2017, 122, 10225-10244.	2.6	13
9	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. PLoS ONE, 2017, 12, e0175042.	2.5	38
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. Remote Sensing, 2016, 8, 556.	4.0	39
11	A Quantitative Comparison of Total Suspended Sediment Algorithms: A Case Study of the Last Decade for MODIS and Landsat-Based Sensors. Remote Sensing, 2016, 8, 810.	4.0	28
12	Record high damselfish recruitment at Rottnest Island, Western Australia, and the potential for climate-induced range extension. Regional Studies in Marine Science, 2016, 8, 77-88.	0.7	19
13	A Method to Analyze the Potential of Optical Remote Sensing for Benthic Habitat Mapping. Remote Sensing, 2015, 7, 13157-13189.	4.0	39
14	Bottom Reflectance in Ocean Color Satellite Remote Sensing for Coral Reef Environments. Remote Sensing, 2015, 7, 16756-16777.	4.0	20
15	Cloud Cover Correction of Detected Hotspots Over Indonesia. Advanced Science Letters, 2015, 21, 3591-3593.	0.2	0
16	Seagrass Canopy Photosynthetic Response Is a Function of Canopy Density and Light Environment: A Model for Amphibolis griffithii. PLoS ONE, 2014, 9, e111454.	2.5	18
17	Improving the optimization solution for a semiâ€analytical shallow water inversion model in the presence of spectrally correlated noise. Limnology and Oceanography: Methods, 2014, 12, 651-669.	2.0	26
18	Detecting trend and seasonal changes in bathymetry derived from HICO imagery: A case study of Shark Bay, Western Australia. Remote Sensing of Environment, 2014, 147, 186-205.	11.0	37

#	Article	IF	Citations
19	Quantification of floating macroalgae blooms using the scaled algae index. Journal of Geophysical Research: Oceans, 2013, 118, 26-42.	2.6	55
20	Digitise This! A Quick and Easy Remote Sensing Method to Monitor the Daily Extent of Dredge Plumes. PLoS ONE, 2012, 7, e51668.	2.5	30
21	Shallow water substrate mapping using hyperspectral remote sensing. Continental Shelf Research, 2011, 31, 1249-1259.	1.8	47
22	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
23	Intercomparison of shallow water bathymetry, hydroâ€optics, and benthos mapping techniques in Australian and Caribbean coastal environments. Limnology and Oceanography: Methods, 2011, 9, 396-425.	2.0	246
24	Inter- and intra-annual patterns of Ulva prolifera green tides in the Yellow Sea during 2007â€“2009, their origin and relationship to the expansion of coastal seaweed aquaculture in China. Marine Pollution Bulletin, 2011, 62, 1169-1182.	5.0	233
25	Modelling the potential transport of tropical fish larvae in the Leeuwin Current. Continental Shelf Research, 2011, 31, 2018-2040.	1.8	17
26	Recurrence of the worldâ€™s largest green-tide in 2009 in Yellow Sea, China: Porphyra yezoensis aquaculture rafts confirmed as nursery for macroalgal blooms. Marine Pollution Bulletin, 2010, 60, 1423-1432.	5.0	230
27	The effect of the Leeuwin Current on phytoplankton biomass and production off Southwestern Australia. Journal of Geophysical Research, 2008, 113, .	3.3	66
28	Retrieving key benthic cover types and bathymetry from hyperspectral imagery. Journal of Applied Remote Sensing, 2007, 1, 011505.	1.3	88
29	The Hillarys Transect (3): Optical and chlorophyll relationships across the continental shelf off Perth. Continental Shelf Research, 2007, 27, 1719-1746.	1.8	8
30	Hyperspectral remote sensing of Western Australian coastal waters. , 2003, , .		0
31	Modeling ocean color. , 2003, , .		0
32	<title>Retrieval of chlorophyll concentration via inversion of ocean reflectance: a modeling approach</title>. , 1997, 2963, 408.		0