

# Graham D Quartly

## List of Publications by Year in descending order

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82  
papers

3,335  
citations

172457

29  
h-index

155660

55  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrite regeneration in the oligotrophic Atlantic Ocean. Biogeosciences, 2022, 19, 1355-1376.	3.3	3
2	An Overview of Requirements, Procedures and Current Advances in the Calibration/Validation of Radar Altimeters. Remote Sensing, 2021, 13, 125.	4.0	20
3	Global coastal attenuation of wind-waves observed with radar altimetry. Nature Communications, 2021, 12, 3812.	12.8	20
4	Sensitivity of Altimeter Wave Height Assessment to Data Selection. Remote Sensing, 2020, 12, 2608.	4.0	10
5	Round Robin Assessment of Radar Altimeter Low Resolution Mode and Delay-Doppler Retracking Algorithms for Significant Wave Height. Remote Sensing, 2020, 12, 1254.	4.0	28
6	The Roles of the S3MPC: Monitoring, Validation and Evolution of Sentinel-3 Altimetry Observations. Remote Sensing, 2020, 12, 1763.	4.0	31
7	The Sea State CCI dataset v1: towards a sea state climate data record based on satellite observations. Earth System Science Data, 2020, 12, 1929-1951.	9.9	60
8	Removal of Covariant Errors from Altimetric Wave Height Data. Remote Sensing, 2019, 11, 2319.	4.0	8
9	Removing Intra-1-Hz Covariant Error to Improve Altimetric Profiles of $\sigma^0$ and Sea Surface Height. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3741-3752.	6.3	20
10	Retrieving Sea Level and Freeboard in the Arctic: A Review of Current Radar Altimetry Methodologies and Future Perspectives. Remote Sensing, 2019, 11, 881.	4.0	40
11	Observing Sea States. Frontiers in Marine Science, 2019, 6, .	2.5	105
12	Operational Monitoring of Illegal Fishing in Ghana through Exploitation of Satellite Earth Observation and AIS Data. Remote Sensing, 2019, 11, 293.	4.0	61
13	Evaluation of Sentinel-3A Wave Height Observations Near the Coast of Southwest England. Remote Sensing, 2019, 11, 2998.	4.0	17
14	Corrections to "Removing Intra-1-Hz Covariant Error to Improve Altimetric Profiles of $\sigma^0$ and Sea Surface Height" [Jun 19 DOI: 10.1109/TGRS.2018.2886998]. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8327-8327.	6.3	0
15	Exploring the synergy between along-track altimetry and tracer fronts to reconstruct surface ocean currents. Remote Sensing of Environment, 2018, 216, 747-757.	11.0	2
16	Development of an ENVISAT Altimetry Processor Providing Sea Level Continuity Between Open Ocean and Arctic Leads. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5299-5319.	6.3	28
17	Improving the precision of sea level data from satellite altimetry with high-frequency and regional sea state bias corrections. Remote Sensing of Environment, 2018, 218, 245-254.	11.0	41
18	Exploitation of error correlation in a large analysis validation: GlobCurrent case study. Remote Sensing of Environment, 2018, 217, 476-490.	11.0	10

#	ARTICLE	IF	CITATIONS
19	A Statistical Modeling Framework for Characterising Uncertainty in Large Datasets: Application to Ocean Colour. <i>Remote Sensing</i> , 2018, 10, 695.	4.0	3
20	Agulhas Ring Transport Efficiency From Combined Satellite Altimetry and Argo Profiles. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5874-5888.	2.6	23
21	An improved and homogeneous altimeter sea level record from the ESA Climate Change Initiative. <i>Earth System Science Data</i> , 2018, 10, 281-301.	9.9	157
22	Determining Atlantic Ocean province contrasts and variations. <i>Progress in Oceanography</i> , 2017, 158, 19-40.	3.2	12
23	Ensuring that the Sentinel-3A altimeter provides climate-quality data. , 2017, , .		3
24	A new phase in the production of quality-controlled sea level data. <i>Earth System Science Data</i> , 2017, 9, 557-572.	9.9	56
25	Assessing altimetry close to the coast. , 2017, , .		0
26	Progress in satellite remote sensing for studying physical processes at the ocean surface and its borders with the atmosphere and sea ice. <i>Progress in Physical Geography</i> , 2016, 40, 215-246.	3.2	19
27	Cross-calibrating ALES Envisat and CryoSat-2 Delay-Doppler: A coastal altimetry study in the Indonesian Seas. <i>Advances in Space Research</i> , 2016, 58, 289-303.	2.6	40
28	Metabolically active, non-nitrogen fixing, <i>Trichodesmium</i> in UK coastal waters during winter. <i>Journal of Plankton Research</i> , 2016, 38, 673-678.	1.8	8
29	Initial Examination of AltiKa's Individual Echoes. <i>Marine Geodesy</i> , 2015, 38, 73-85.	2.0	4
30	Seasonality and interannual variability of the European Slope Current from 20years of altimeter data compared with in situ measurements. <i>Remote Sensing of Environment</i> , 2015, 162, 196-207.	11.0	28
31	Metoccean Comparisons of Jason-2 and AltiKa—A Method to Develop a New Wind Speed Algorithm. <i>Marine Geodesy</i> , 2015, 38, 437-448.	2.0	9
32	Genetic and migratory evidence for sympatric spawning of tropical Pacific eels from Vanuatu. <i>Marine Ecology - Progress Series</i> , 2015, 521, 171-187.	1.9	33
33	Wave height analysis from 10 years of observations in the Norwegian Sea. <i>Continental Shelf Research</i> , 2014, 72, 47-56.	1.8	21
34	Changes in significant and maximum wave heights in the Norwegian Sea. <i>Global and Planetary Change</i> , 2014, 113, 68-76.	3.5	14
35	ALES: A multi-mission adaptive subwaveform retracker for coastal and open ocean altimetry. <i>Remote Sensing of Environment</i> , 2014, 145, 173-189.	11.0	187
36	Mozambique Channel eddies in GCMs: A question of resolution and slippage. <i>Ocean Modelling</i> , 2013, 63, 56-67.	2.4	16

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37	The Madagascar Bloom: A serendipitous study. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 14-25.	2.6	21
38	A reduced estimate of the strength of the ocean's biological carbon pump. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	338
39	Near-ubiquity of ice-edge blooms in the Arctic. <i>Biogeosciences</i> , 2011, 8, 515-524.	3.3	190
40	On the role of the Agulhas system in ocean circulation and climate. <i>Nature</i> , 2011, 472, 429-436.	27.8	470
41	Coccolithophore dynamics in non-bloom conditions during late summer in the central Iceland Basin (July-August 2007). <i>Limnology and Oceanography</i> , 2010, 55, 1601-1613.	3.1	83
42	Modeling Envisat RA-2 Waveforms in the Coastal Zone: Case Study of Calm Water Contamination. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010, 7, 474-478.	3.1	65
43	Improving the altimetric rain record from Jason-1 and Jason-2. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	5
44	Jason-1/Jason-2 Metocean Comparisons and Monitoring. <i>Marine Geodesy</i> , 2010, 33, 256-271.	2.0	8
45	Optimizing $\sigma^0$ Information From the Jason-2 Altimeter. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 398-402.	3.1	32
46	Improving the Intercalibration of $\sigma^0$ Values for the Jason-1 and Jason-2 Altimeters. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 538-542.	3.1	11
47	High numbers of <i>Trichodesmium</i> and diazotrophic diatoms in the southwest Indian Ocean. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	35
48	Mechanisms for recent warming of the North Atlantic: Insights gained with an eddy-permitting model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
49	Climatological Effects on the Breeding of Terns. , 2008, , .		0
50	Linking Surface and Sub-Surface Variability in Drake Passage. , 2008, , .		0
51	Ocean control of the breeding regime of the sooty tern in the southwest Indian Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 130-142.	1.4	49
52	Realizing Envisat's potential for rain cloud studies. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	5
53	An intercomparison of global oceanic precipitation climatologies. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	28
54	Effects of annual changes in primary productivity and ocean indices on breeding performance of tropical roseate terns in the western Indian Ocean. <i>Marine Ecology - Progress Series</i> , 2007, 351, 273-286.	1.9	53

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55	Interannual variations in precipitation: The effect of the North Atlantic and Southern oscillations as seen in a satellite precipitation data set and in models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
56	Introduction to the Special Issue on "Satellite Altimetry: New Sensors and New Applications". <i>Sensors</i> , 2006, 6, 616-619.	3.8	3
57	Eddies around Madagascar – The retroflection re-considered. <i>Journal of Marine Systems</i> , 2006, 63, 115-129.	2.1	57
58	Eddy variability east of Madagascar. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 77-79.	3.4	5
59	Annual Amphidromes: A Common Feature in the Ocean?. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2005, 2, 423-427.	3.1	16
60	Sea State and Rain: A Second Take on Dual-Frequency Altimetry. <i>Marine Geodesy</i> , 2004, 27, 133-152.	2.0	17
61	A possible plankton wave in the Indian Ocean. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	23
62	Characteristics of mid-latitude Rossby wave propagation from multiple satellite datasets. <i>International Journal of Remote Sensing</i> , 2004, 25, 1297-1302.	2.9	17
63	Eddies in the southern Mozambique Channel. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 69-83.	1.4	115
64	USE OF AMBIENT SOUND MEASUREMENTS IN AN INTEGRATED SYSTEM FOR OCEAN MONITORING. <i>Gayana</i> , 2004, 68, .	0.1	1
65	Rossby waves: synergy in action. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 57-63.	3.4	20
66	Satellite observations of the Agulhas Current system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 51-56.	3.4	11
67	Ultraplankton distribution in surface waters of the Mozambique Channel-flow cytometry and satellite imagery. <i>Aquatic Microbial Ecology</i> , 2003, 33, 155-161.	1.8	27
68	SST Observations of the Agulhas and East Madagascar Retroflections by the TRMM Microwave Imager. <i>Journal of Physical Oceanography</i> , 2002, 32, 1585-1592.	1.7	31
69	Validation of the TOPEX rain algorithm: Comparison with ground-based radar. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 3-1.	3.3	9
70	Analyzing Altimeter Artifacts: Statistical Properties of Ocean Waveforms. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 2074-2091.	1.3	42
71	The Gate Dependence of Geophysical Retrievals from the TOPEX Altimeter. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 1247-1251.	1.3	5
72	Monitoring and Cross-Calibration of Altimeter through Dual-Frequency Backscatter Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 1252-1258.	1.3	9

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73	Chapter 6 Remote sensing of oceanic extra-tropical Rossby waves. Elsevier Oceanography Series, 2000, , 99-123.	0.1	12
74	Changes in oceanic precipitation during the 1997-98 El Niño. Geophysical Research Letters, 2000, 27, 2293-2296.	4.0	13
75	Global precipitation statistics from dual-frequency TOPEX altimetry. Journal of Geophysical Research, 1999, 104, 31489-31516.	3.3	35
76	Determination of Oceanic Rain Rate and Rain Cell Structure from Altimeter Waveform Data. Part I: Theory. Journal of Atmospheric and Oceanic Technology, 1998, 15, 1361-1378.	1.3	27
77	Achieving Accurate Altimetry across Storms: Improved Wind and Wave Estimates from C Band. Journal of Atmospheric and Oceanic Technology, 1997, 14, 705-715.	1.3	16
78	Concurrent altimeter and infrared observations of Rossby wave propagation near 34°N in the northeast Atlantic. Geophysical Research Letters, 1997, 24, 889-892.	4.0	92
79	The Effects of Rain on Topex Radar Altimeter Data. Journal of Atmospheric and Oceanic Technology, 1996, 13, 1209-1229.	1.3	64
80	Altimeter Repeat-Track Analysis-A Comparison of Various Algorithms for Producing the Mean Profile. Journal of Atmospheric and Oceanic Technology, 1995, 12, 674-686.	1.3	0
81	The Effects of Rain onERS-1Radar Altimeter Data. Journal of Atmospheric and Oceanic Technology, 1995, 12, 1229-1247.	1.3	29
82	Seasonal Variations in the Region of the Agulhas Retroflexion: Studies with Geosat and FRAM. Journal of Physical Oceanography, 1993, 23, 2107-2124.	1.7	47