

# Don P Chambers

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

6,154  
citations

109321

35  
h-index

102487

66  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating geocenter variations from a combination of GRACE and ocean model output. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	665
2	Contributions of GRACE to understanding climate change. <i>Nature Climate Change</i> , 2019, 9, 358-369.	18.8	536
3	GGM02 " An improved Earth gravity field model from GRACE. <i>Journal of Geodesy</i> , 2005, 79, 467-478.	3.6	511
4	Estimating Mean Sea Level Change from the TOPEX and Jason Altimeter Missions. <i>Marine Geodesy</i> , 2010, 33, 435-446.	2.0	414
5	Preliminary observations of global ocean mass variations with GRACE. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	235
6	Mean Dynamic Topography of the Ocean Derived from Satellite and Drifting Buoy Data Using Three Different Techniques*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1910-1919.	1.3	233
7	Assessing the globally averaged sea level budget on seasonal to interannual timescales. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	185
8	Evaluation of new GRACE time-variable gravity data over the ocean. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	183
9	GRACE, time-varying gravity, Earth system dynamics and climate change. <i>Reports on Progress in Physics</i> , 2014, 77, 116801.	20.1	171
10	Evaluation of groundwater storage monitoring with the GRACE satellite: Case study of the High Plains aquifer, central United States. <i>Water Resources Research</i> , 2009, 45, .	4.2	168
11	Is there a 60-year oscillation in global mean sea level?. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	163
12	GRACE-Based Estimates of Terrestrial Freshwater Discharge from Basin to Continental Scales. <i>Journal of Hydrometeorology</i> , 2009, 10, 22-40.	1.9	157
13	Evaluation of Release-05 GRACE time-variable gravity coefficients over the ocean. <i>Ocean Science</i> , 2012, 8, 859-868.	3.4	144
14	Observing seasonal steric sea level variations with GRACE and satellite altimetry. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	138
15	Satellite-based global-ocean mass balance estimates of interannual variability and emerging trends in continental freshwater discharge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17916-17921.	7.1	136
16	Recent increases in Arctic freshwater flux affects Labrador Sea convection and Atlantic overturning circulation. <i>Nature Communications</i> , 2016, 7, 10525.	12.8	130
17	State of the Climate in 2012. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, S1-S258.	3.3	129
18	Evaluation of the Global Mean Sea Level Budget between 1993 and 2014. <i>Surveys in Geophysics</i> , 2017, 38, 309-327.	4.6	122

#	ARTICLE	IF	CITATIONS
19	Recent trends in the Southern Ocean eddy field. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 257-267.	2.6	120
20	Variations in global mean sea level associated with the 1997-1998 ENSO event: Implications for measuring long term sea level change. <i>Geophysical Research Letters</i> , 1999, 26, 3005-3008.	4.0	110
21	Ocean bottom pressure seasonal cycles and decadal trends from GRACE Release 05: Ocean circulation implications. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4228-4240.	2.6	85
22	Ocean mass from GRACE and glacial isostatic adjustment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	83
23	Evidence for multidecadal variability in US extreme sea level records. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1527-1544.	2.6	82
24	Quantifying recent acceleration in sea level unrelated to internal climate variability. <i>Geophysical Research Letters</i> , 2013, 40, 3661-3666.	4.0	80
25	The effect of the NAO on sea level and on mass changes in the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 944-952.	2.6	75
26	Understanding of Contemporary Regional Sea Level Change and the Implications for the Future. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000672.	23.0	74
27	Hydrological and oceanic effects on polar motion from GRACE and models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
28	Consistency of the current global ocean observing systems from an Argo perspective. <i>Ocean Science</i> , 2014, 10, 547-557.	3.4	54
29	On the ability of global sea level reconstructions to determine trends and variability. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1572-1592.	2.6	54
30	Climate controls multidecadal variability in U. S. extreme sea level records. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1274-1290.	2.6	51
31	Measuring ocean mass variability from satellite gravimetry. <i>Journal of Geodynamics</i> , 2011, 52, 333-343.	1.6	43
32	Effects of ice melting on GRACE observations of ocean mass trends. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	39
33	A Global Evaluation of Ocean Bottom Pressure from GRACE, OMCT, and Steric-Corrected Altimetry. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1395-1402.	1.3	39
34	Interannual to decadal sea level variability in the coastal zones of the Norwegian and Siberian Seas: The role of atmospheric forcing. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1287-1301.	2.6	39
35	Relative contributions of ocean mass and deep steric changes to sea level rise between 1993 and 2013. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7509-7522.	2.6	37
36	Analysis of large-scale ocean bottom pressure variability in the North Pacific. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36

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37	Uncertainty estimates of a GRACE inversion modelling technique over Greenland using a simulation. <i>Geophysical Journal International</i> , 2013, 194, 212-229.	2.4	35
38	Calculating trends from GRACE in the presence of large changes in continental ice storage and ocean mass. <i>Geophysical Journal International</i> , 2009, 176, 415-419.	2.4	33
39	Observational Requirements for Long-Term Monitoring of the Global Mean Sea Level and Its Components Over the Altimetry Era. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
40	Coastal Sea Level and Related Fields from Existing Observing Systems. <i>Surveys in Geophysics</i> , 2019, 40, 1293-1317.	4.6	31
41	Storm Surge Reconstruction and Return Water Level Estimation in Southeast Asia for the 20th Century. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 437-451.	2.6	27
42	A high resolution satellite-only GRACE-based mean dynamic topography of the South Atlantic Ocean. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	24
43	Low-frequency exchange of mass between ocean basins. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
44	Evaluation of high-frequency oceanographic signal in GRACE data: Implications for de-aliasing. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	23
45	Evaluation of empirical mode decomposition for quantifying multi-decadal variations and acceleration in sea level records. <i>Nonlinear Processes in Geophysics</i> , 2015, 22, 157-166.	1.3	22
46	An extreme sea level indicator for the contiguous United States coastline. <i>Scientific Data</i> , 2019, 6, 326.	5.3	21
47	ENSO-correlated fluctuations in ocean bottom pressure and wind-stress curl in the North Pacific. <i>Ocean Science</i> , 2011, 7, 685-692.	3.4	20
48	Interannual mean sea level change and the Earth's water mass budget. <i>Geophysical Research Letters</i> , 2000, 27, 3073-3076.	4.0	19
49	Using ocean bottom pressure from the gravity recovery and climate experiment (GRACE) to estimate transport variability in the southern Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4245-4259.	2.6	18
50	Analysis of seasonal ocean bottom pressure variability in the Gulf of Thailand from GRACE. <i>Global and Planetary Change</i> , 2010, 74, 76-81.	3.5	16
51	Using satellite laser ranging to measure ice mass change in Greenland and Antarctica. <i>Cryosphere</i> , 2018, 12, 71-79.	3.9	16
52	A New Hybrid Method for Estimating Hydrologically Induced Vertical Deformation From GRACE and a Hydrological Model: An Example From Central North America. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1196-1217.	3.8	15
53	Using kinetic energy measurements from altimetry to detect shifts in the positions of fronts in the Southern Ocean. <i>Ocean Science</i> , 2018, 14, 105-116.	3.4	15
54	Global Patterns of Spatial and Temporal Variability in Salinity from Multiple Gridded Argo Products. <i>Journal of Climate</i> , 2020, 33, 8751-8766.	3.2	13

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55	Hydrological impacts on seasonal sea level change. <i>Global and Planetary Change</i> , 2001, 32, 25-32.	3.5	12
56	Analysis of interannual and low-frequency variability in global mean sea level from altimetry and tide gauges. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1407-1411.	2.9	11
57	Reply to comment by W. R. Peltier et al. on "Ocean mass from GRACE and glacial isostatic adjustment". <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
58	The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091248.	4.0	11
59	Regional Trends in Southern Ocean Eddy Kinetic Energy. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016973.	2.6	10
60	Southern Ocean velocity and geostrophic transport fields estimated by combining Jason altimetry and Argo data. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4761-4776.	2.6	7
61	Effect of Sea Level Variability on the Estimation of Mean Sea Surface Gradients. <i>Marine Geodesy</i> , 2002, 25, 273-288.	2.0	4
62	Surface and Subsurface Geostrophic Current Variability in the Indian Ocean from Altimetry. <i>Marine Geodesy</i> , 2009, 32, 19-29.	2.0	3
63	Quantifying the resolution level where the GRACE satellites can separate Greenland's glacial mass balance from surface mass balance. <i>Cryosphere</i> , 2015, 9, 1761-1772.	3.9	3
64	Mapping error in Southern Ocean transport computed from satellite altimetry and argo. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8063-8076.	2.6	1
65	Distinguishing Between Regression Model Fits to Global Mean Sea Level Reconstructions. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017347.	2.6	1
66	Thank You to Our 2017 Peer Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6042-6052.	2.6	0
67	Thank You to Our 2019 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016312.	2.6	0
68	Thank You to Our 2020 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017288.	2.6	0
69	Water Cycle: Ocean's Role. , 0, , 882-886.		0
70	Thank You to Our 2021 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	0