

# Victor Zlotnicki

## List of Publications by Year in descending order

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38  
papers

2,114  
citations

430874

18  
h-index

395702

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-variable gravity from GRACE: First results. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	628
2	Satellite remote sensing of earthquake, volcano, flood, landslide and coastal inundation hazards. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2005, 59, 185-198.	11.1	382
3	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
4	Short-period oceanic circulation: Implications for satellite altimetry. <i>Geophysical Research Letters</i> , 2000, 27, 1255-1258.	4.0	81
5	TOPEX microwave radiometer performance evaluation, 1992-1998. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000, 38, 1379-1386.	6.3	67
6	Modeling the high-frequency barotropic response of the ocean to atmospheric disturbances: Sensitivity to forcing, topography, and friction. <i>Journal of Geophysical Research</i> , 2001, 106, 30987-30995.	3.3	62
7	Sea Level Differences across the Gulf Stream and Kuroshio Extension. <i>Journal of Physical Oceanography</i> , 1991, 21, 599-609.	1.7	52
8	Comparisons of mesoscale variability in the Semtner-Chervin 1/4° model, the Los Alamos Parallel Ocean Program 1/6° model, and TOPEX/POSEIDON data. <i>Journal of Geophysical Research</i> , 1997, 102, 25203-25226.	3.3	51
9	Australian water mass variations from GRACE data linked to Indo-Pacific climate variability. <i>Remote Sensing of Environment</i> , 2011, 115, 2175-2183.	11.0	51
10	Antarctic Circumpolar Current Transport Variability during 2003-05 from GRACE. <i>Journal of Physical Oceanography</i> , 2007, 37, 230-244.	1.7	47
11	Satellite Altimetry: Observing Ocean Variability From Space. <i>Oceanography</i> , 1988, 1, 4-4.	1.0	45
12	The role of horizontal impulses of the faulting continental slope in generating the 26 December 2004 tsunami. <i>Ocean Modelling</i> , 2008, 20, 362-379.	2.4	42
13	Sea level variabilities in the Gulf Stream between Cape Hatteras and 50°W: A Geosat study. <i>Journal of Geophysical Research</i> , 1990, 95, 17957-17964.	3.3	38
14	A record-high ocean bottom pressure in the South Pacific observed by GRACE. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	38
15	Observing oceanic mesoscale eddies from Geosat altimetry: Preliminary results. <i>Geophysical Research Letters</i> , 1989, 16, 457-460.	4.0	36
16	Correlated environmental corrections in TOPEX/POSEIDON, with a note on ionospheric accuracy. <i>Journal of Geophysical Research</i> , 1994, 99, 24907.	3.3	35
17	Assessment of the Jason Microwave Radiometer's Measurement of Wet Tropospheric Path Delay Using Comparisons to SSM/I and TMI. <i>Marine Geodesy</i> , 2004, 27, 241-253.	2.0	21
18	On the accuracy of gravimetric geoids and the recovery of oceanographic signals from altimetry. <i>Marine Geodesy</i> , 1984, 8, 129-157.	2.0	19

#	ARTICLE	IF	CITATIONS
19	Spacebased observations of oceanic influence on the annual variation of South American water balance. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	16
20	Performance of GOCE and GRACE-derived mean dynamic topographies in resolving Antarctic Circumpolar Current fronts. <i>Ocean Dynamics</i> , 2012, 62, 893-905.	2.2	16
21	Ocean Measurements from Space in 2025. <i>Oceanography</i> , 2010, 23, 144-161.	1.0	16
22	Quality of wind stress fields measured by the skill of a barotropic ocean model: Importance of stability of the Marine Atmospheric Boundary Layer. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	15
23	Ocean bottom pressure waves predicted in the tropical Pacific. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	14
24	Sea State Bias in Radar Altimetry Revisited. <i>Marine Geodesy</i> , 2010, 33, 336-347.	2.0	14
25	Evaluating models of sea state bias in satellite altimetry. <i>Journal of Geophysical Research</i> , 1994, 99, 12581.	3.3	13
26	The inverse problem of constructing a gravimetric geoid. <i>Journal of Geophysical Research</i> , 1982, 87, 1835-1848.	3.3	11
27	Can the weak surface currents of the Cape Verde frontal zone be measured with altimetry?. <i>Journal of Geophysical Research</i> , 1993, 98, 2485-2493.	3.3	11
28	Satellite peers through the oceans from space. <i>Eos</i> , 2000, 81, 68.	0.1	11
29	Altimetry, ship gravimetry, and the general circulation of the North Atlantic. <i>Geophysical Research Letters</i> , 1989, 16, 1011-1014.	4.0	10
30	The mean seasonal cycle in relative sea level from satellite altimetry and gravimetry. <i>Journal of Geodesy</i> , 2021, 95, 80.	3.6	9
31	Quantifying time-varying oceanographic signals with altimetry. , 1993, , 144-188.		5
32	Research Satellite Missions. , 2010, , .		5
33	Gravity Recovery and Climate Experiment (GRACE): Detection of Ice Mass Loss, Terrestrial Mass Changes, and Ocean Mass Gains. , 2013, , 123-152.		4
34	The evolution of the PO.DAAC: Seasat to SWOT. <i>Advances in Space Research</i> , 2021, 68, 1187-1193.	2.6	4
35	The Mean Sea Level of the Gulf Stream Estimated from Satellite Altimetric and Infrared Data. <i>International Association of Geodesy Symposia</i> , 1990, , 108-115.	0.4	2
36	Gravity Recovery and Climate Experiment (GRACE): Detection of Ice Mass Loss, Terrestrial Mass Changes, and Ocean Mass Gains. , 2012, , 4563-4584.		2

#	ARTICLE	IF	CITATIONS
37	Applying Spaceborne Gravity Measurements to Ocean Studies. Eos, 2011, 92, 145-145.	0.1	1
38	A NON-BOUSSINESQ TERRAIN-FOLLOWING OGCM FOR OCEANOGRAPHIC AND GEODETIC APPLICATIONS. , 0, , 63-86.		1