

R Steven Nerem

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,228
citations

394286

19
h-index

477173

29
g-index

29
all docs

29
docs citations

29
times ranked

2331
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2011 La Niña: So strong, the oceans fell. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	279
2	Preliminary observations of global ocean mass variations with GRACE. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	235
3	Calibration of TOPEX/Poseidon and Jason Altimeter Data to Construct a Continuous Record of Mean Sea Level Change. <i>Marine Geodesy</i> , 2004, 27, 79-94.	0.9	229
4	Assessing the globally averaged sea level budget on seasonal to interannual timescales. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	185
5	Australia's unique influence on global sea level in 2010–2011. <i>Geophysical Research Letters</i> , 2013, 40, 4368-4373.	1.5	174
6	Density and Winds in the Thermosphere Deduced from Accelerometer Data. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1210-1219.	1.3	163
7	Is there a 60-year oscillation in global mean sea level?. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	163
8	Rotating solar coronal holes and periodic modulation of the upper atmosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	128
9	Thermospheric density oscillations due to periodic solar wind high-speed streams. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	111
10	Global thermospheric density variations caused by high-speed solar wind streams during the declining phase of solar cycle 23. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	81
11	The pole tide and its effect on GRACE time-variable gravity measurements: Implications for estimates of surface mass variations. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4597-4615.	1.4	75
12	Understanding of Contemporary Regional Sea Level Change and the Implications for the Future. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000672.	9.0	74
13	Altimeter-era emergence of the patterns of forced sea-level rise in climate models and implications for the future. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12944-12949.	3.3	61
14	GPS Imaging of Global Vertical Land Motion for Studies of Sea Level Rise. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022355.	1.4	32
15	Investigating the Acceleration of Regional Sea Level Rise During the Satellite Altimeter Era. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086528.	1.5	30
16	Thermosteric sea level rise for the past 50 years; comparison with tide gauges and inference on water mass contribution. <i>Global and Planetary Change</i> , 2005, 48, 303-312.	1.6	29
17	Ice mass change in Greenland and Antarctica between 1993 and 2013 from satellite gravity measurements. <i>Journal of Geodesy</i> , 2017, 91, 1283-1298.	1.6	29
18	Uncovering the Pattern of Forced Sea Level Rise in the Satellite Altimeter Record. <i>Geophysical Research Letters</i> , 2019, 46, 4844-4853.	1.5	28

#	ARTICLE	IF	CITATIONS
19	Satellite-Satellite Single-Difference Phase Bias Calibration As Applied to Ambiguity Resolution. Navigation, Journal of the Institute of Navigation, 2002, 49, 223-242.	1.7	21
20	Origin of interannual variability in global mean sea level. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13983-13990.	3.3	20
21	Interannual mean sea level change and the Earth's water mass budget. Geophysical Research Letters, 2000, 27, 3073-3076.	1.5	19
22	Impacting Lunar Prospector in a cold trap to detect water ice. Geophysical Research Letters, 1999, 26, 1653-1656.	1.5	14
23	The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. Geophysical Research Letters, 2021, 48, e2020GL091248.	1.5	11
24	Short-time exosphere evolution following an impulsive vapor release on the Moon. Journal of Geophysical Research, 2001, 106, 32841-32845.	3.3	9
25	An Assessment of Regional ICESat-2 Sea Level Trends. Geophysical Research Letters, 2021, 48, e2020GL092327.	1.5	7
26	Detecting time variations in gravity associated with climate change. Journal of Geophysical Research, 2002, 107, ETG 3-1.	3.3	6
27	Characteristics of Satellite-Satellite Single-Difference Wideband Fractional Carrier-Phase Biases. Navigation, Journal of the Institute of Navigation, 2004, 51, 77-92.	1.7	5
28	Reply by the Authors to G. Koppenwallner. Journal of Spacecraft and Rockets, 2008, 45, 1328-1329.	1.3	5
29	Sea Level Rise in the CESM Large Ensemble: The Role of Individual Climate Forcings and Consequences for the Coming Decades. Journal of Climate, 2020, 33, 6911-6927.	1.2	5