M J Doble

List of Publications by Year in descending order

35 papers	1,498 citations	257450 24 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	1219 citing authors

#	Article	IF	Citations
1	Dissipation of wind waves by pancake and frazil ice in the autumn Beaufort Sea. Journal of Geophysical Research: Oceans, 2016, 121, 7991-8007.	2.6	96
2	Overview of the Arctic Sea State and Boundary Layer Physics Program. Journal of Geophysical Research: Oceans, 2018, 123, 8674-8687.	2.6	96
3	Exploring Arctic Transpolar Drift During Dramatic Sea Ice Retreat. Eos, 2008, 89, 21-22.	0.1	94
4	Thin ice and storms: Sea ice deformation from buoy arrays deployed during <scp>Nâ€ICE</scp>2015. Journal of Geophysical Research: Oceans, 2017, 122, 4661-4674.	2.6	88
5	Dispersion Relations, Power Laws, and Energy Loss for Waves in the Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2018, 123, 3322-3335.	2.6	86
6	Wave buoy measurements at the Antarctic sea ice edge compared with an enhanced ECMWF WAM: Progress towards global waves-in-ice modelling. Ocean Modelling, 2013, 70, 166-173.	2.4	81
7	Emerging trends in the sea state of the Beaufort and Chukchi seas. Ocean Modelling, 2016, 105, 1-12.	2.4	78
8	Calibrating a Viscoelastic Sea Ice Model for Wave Propagation in the Arctic Fall Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2017, 122, 8770-8793.	2.6	73
9	Relating wave attenuation to pancake ice thickness, using field measurements and model results. Geophysical Research Letters, 2015, 42, 4473-4481.	4.0	71
10	Ocean waves across the Arctic: Attenuation due to dissipation dominates over scattering for periods longer than 19Âs. Geophysical Research Letters, 2016, 43, 5775-5783.	4.0	57
11	Pancake ice formation in the Weddell Sea. Journal of Geophysical Research, 2003, 108, .	3.3	50
12	Measuring ocean waves in sea ice using SAR imagery: A quasi-deterministic approach evaluated with Sentinel-1 and in situ data. Remote Sensing of Environment, 2017, 189, 211-222.	11.0	50
13	Comparison of the Sea-ice thickness distribution in the Lincoln Sea and adjacent Arctic Ocean in 2004 and 2005. Annals of Glaciology, 2006, 44, 247-252.	1.4	43
14	Mesoscale Modeling of the Atmosphere over Antarctic Sea Ice: A Late-Autumn Case Study. Monthly Weather Review, 2008, 136, 1457-1474.	1.4	40
15	Sea ice thickness measurement using episodic infragravity waves from distant storms. Cold Regions Science and Technology, 2009, 56, 98-101.	3.5	40
16	Digital terrain mapping of the underside of sea ice from a small AUV. Geophysical Research Letters, 2008, 35, .	4.0	39
17	Waves and Swells in High Wind and Extreme Fetches, Measurements in the Southern Ocean. Frontiers in Marine Science, 2019, 6, .	2.5	39
18	SAR imaging of wave dispersion in Antarctic pancake ice and its use in measuring ice thickness. Geophysical Research Letters, 2004, 31, .	4.0	38

#	Article	IF	Citations
19	Attenuation and Directional Spreading of Ocean Waves During a Storm Event in the Autumn Beaufort Sea Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2018, 123, 5912-5932.	2.6	38
20	Wave Attenuation Through an Arctic Marginal Ice Zone on 12 October 2015: 1. Measurement of Wave Spectra and Ice Features From Sentinel 1A. Journal of Geophysical Research: Oceans, 2018, 123, 3619-3634.	2.6	32
21	Rollover of Apparent Wave Attenuation in Ice Covered Seas. Journal of Geophysical Research: Oceans, 2017, 122, 8557-8566.	2.6	31
22	Arctic Sea Ice Drift Measured by Shipboard Marine Radar. Journal of Geophysical Research: Oceans, 2018, 123, 4298-4321.	2.6	30
23	Wave Attenuation Through an Arctic Marginal Ice Zone on 12 October 2015: 2. Numerical Modeling of Waves and Associated Ice Breakup. Journal of Geophysical Research: Oceans, 2018, 123, 5652-5668.	2.6	29
24	The relation between Arctic sea ice surface elevation and draft: A case study using coincident AUV sonar and airborne scanning laser. Journal of Geophysical Research, 2011, 116, .	3.3	28
25	Dynamical contrasts between pancake and pack ice, investigated with a drifting buoy array. Journal of Geophysical Research, 2006, 111, .	3.3	26
26	Observations of Surface Wave Dispersion in the Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2018, 123, 3336-3354.	2.6	24
27	Airborne Remote Sensing of Wave Propagation in the Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2018, 123, 4132-4152.	2.6	18
28	Doppler Correction of Wave Frequency Spectra Measured by Underway Vessels. Journal of Atmospheric and Oceanic Technology, 2017, 34, 429-436.	1.3	17
29	Simulating pancake and frazil ice growth in the Weddell Sea: A process model from freezing to consolidation. Journal of Geophysical Research, 2009, 114, .	3.3	16
30	On the Ocean Wave Attenuation Rate in Greaseâ€Pancake Ice, a Comparison of Viscous Layer Propagation Models With Field Data. Journal of Geophysical Research: Oceans, 2018, 123, 5933-5948.	2.6	16
31	Role of Ice Dynamics in the Sea Ice Mass Balance. Eos, 2008, 89, 515-516.	0.1	12
32	Characterizing horizontally-polarized shear and infragravity vibrational modes in the Arctic sea ice cover using correlation methods. Journal of the Acoustical Society of America, 2019, 145, 1600-1608.	1.1	10
33	Improving Situational Awareness in the Arctic Ocean. Frontiers in Marine Science, 2020, 7, .	2.5	5
34	Robust wavebuoys for the marginal ice zone: Experiences from a large persistent array in the Beaufort Sea. Elementa, 2017, 5, .	3.2	5
35	Analysis of a rapid sea ice retreat event in the Bellingshausen Sea. Journal of Geophysical Research, 2010, 115, .	3.3	2