Ralph A Stephen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7630006/publications.pdf

Version: 2024-02-01

35 papers	1,169 citations	394421 19 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	912 citing authors

#	Article	IF	Citations
1	Teleseismic earthquake wavefields observed on the Ross Ice Shelf. Journal of Glaciology, 2021, 67, 58-74.	2.2	4
2	Swell-Triggered Seismicity at the Near-Front Damage Zone of the Ross Ice Shelf. Seismological Research Letters, 2021, 92, 2768-2792.	1.9	14
3	Ross Ice Shelf Icequakes Associated With Ocean Gravity Wave Activity. Geophysical Research Letters, 2019, 46, 8893-8902.	4.0	25
4	Seasonal and spatial variations in the ocean-coupled ambient wavefield of the Ross Ice Shelf. Journal of Glaciology, 2019, 65, 912-925.	2.2	12
5	Tidal and Thermal Stresses Drive Seismicity Along a Major Ross Ice Shelf Rift. Geophysical Research Letters, 2019, 46, 6644-6652.	4.0	29
6	Heterogeneous upper mantle structure beneath the Ross Sea Embayment and Marie Byrd Land, West Antarctica, revealed by P-wave tomography. Earth and Planetary Science Letters, 2019, 513, 40-50.	4.4	23
7	Ocean-excited plate waves in the Ross and Pine Island Glacier ice shelves. Journal of Glaciology, 2018, 64, 730-744.	2.2	15
8	Nearâ€Surface Environmentally Forced Changes in the Ross Ice Shelf Observed With Ambient Seismic Noise. Geophysical Research Letters, 2018, 45, 11,187.	4.0	21
9	The Crust and Upper Mantle Structure of Central and West Antarctica From Bayesian Inversion of Rayleigh Wave and Receiver Functions. Journal of Geophysical Research: Solid Earth, 2018, 123, 7824-7849.	3.4	78
10	Tsunami and infragravity waves impacting <scp>A</scp>ntarctic ice shelves. Journal of Geophysical Research: Oceans, 2017, 122, 5786-5801.	2.6	35
11	Waveform modeling of the seismic response of a mid-ocean ridge axial melt sill. Marine Geophysical Researches, 2017, 38, 373-391.	1.2	1
12	Ross ice shelf vibrations. Geophysical Research Letters, 2015, 42, 7589-7597.	4.0	52
13	Deep seafloor arrivals in long range ocean acoustic propagation. Journal of the Acoustical Society of America, 2013, 134, 3307-3317.	1.1	8
14	Recent advances and trends in subsea technologies and seafloor properties characterization. The Leading Edge, 2013, 32, 1214-1220.	0.7	3
15	Are deepâ€oceanâ€generated surfaceâ€wave microseisms observed on land?. Journal of Geophysical Research: Solid Earth, 2013, 118, 3610-3629.	3.4	71
16	Response of the Ross Ice Shelf, Antarctica, to ocean gravity-wave forcing. Annals of Glaciology, 2012, 53, 163-172.	1.4	41
17	LOAPEX: The Long-Range Ocean Acoustic Propagation EXperiment. IEEE Journal of Oceanic Engineering, 2009, 34, 1-11.	3.8	45
18	The Effects of Local Structure on Seafloor Ambient Noise at the Hawaii-2 Observatory. , 2007, , .		2

#	Article	IF	Citations
19	Hydroacoustic events located at the intersection of the Atlantis (30Â°N) and Kane (23Â°40â€²N) Transform Faults with the Mid-Atlantic Ridge. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	37
20	Mid-ocean microseisms. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	163
21	Ocean Seismic Network Pilot Experiment. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	84
22	Upper mantle structure beneath the Hawaiian swell: Constraints from the ocean seismic network pilot experiment. Geophysical Research Letters, 2002, 29, 17-1.	4.0	50
23	Broadband seismology in the oceans: Lessons from the Ocean Seismic Network Pilot Experiment. Geophysical Research Letters, 2001, 28, 49-52.	4.0	70
24	Optimum and standard beam widths for numerical modeling of interface scattering problems. Journal of the Acoustical Society of America, 2000, 107, 1095-1102.	1.1	12
25	Very low frequency (0.2-10.0 Hz) seismoacoustic noise below the seafloor. Journal of Geophysical Research, 1997, 102, 11703-11718.	3.3	19
26	Modeling seafloor geoacoustic interaction with a numerical scattering chamber. Journal of the Acoustical Society of America, 1994, 96, 973-990.	1.1	29
27	The Seafloor Borehole Array Seismic System (SEABASS) and VLF ambient noise. Marine Geophysical Researches, 1994, 16, 243-286.	1.2	16
28	Finite difference modeling of geoacoustic interaction at anelastic seafloors. Journal of the Acoustical Society of America, 1994, 95, 60-70.	1.1	11
29	How much gabbro is in ocean seismic layer 3?. Geophysical Research Letters, 1992, 19, 1871-1874.	4.0	15
30	Seismo/acoustic propagation through rough seafloors. Journal of the Acoustical Society of America, 1991, 90, 2637-2651.	1.1	28
31	Threeâ€dimensional numerical modeling of geoacoustic scattering from seafloor topography. Journal of the Acoustical Society of America, 1990, 88, 2338-2345.	1.1	14
32	Campagne FARE: Wireline reentry of DSDP Hole 396B using the NADIA System. Eos, 1989, 70, 729.	0.1	13
33	Seismic energy partitioning and scattering in laterally heterogeneous ocean crust. Pure and Applied Geophysics, 1988, 128, 195-229.	1.9	57
34	Spreading rate independence of oceanic seismic layer 2. Geophysical Research Letters, 1985, 12, 219-222.	4.0	6
35	An implicit finiteâ€difference formulation of the elastic wave equation. Geophysics, 1982, 47, 1521-1526.	2.6	58