

Peter F Worcester

List of Publications by Year in descending order

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44
papers

1,061
citations

430874

18
h-index

434195

31
g-index

51
all docs

51
docs citations

51
times ranked

774
citing authors

#	ARTICLE	IF	CITATIONS
1	A test of basin-scale acoustic thermometry using a large-aperture vertical array at 3250-km range in the eastern North Pacific Ocean. <i>Journal of the Acoustical Society of America</i> , 1999, 105, 3185-3201.	1.1	204
2	Interference Pattern and Propagation of the M2 Internal Tide South of the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2010, 40, 311-325.	1.7	89
3	The North Pacific Acoustic Laboratory deep-water acoustic propagation experiments in the Philippine Sea. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3359-3375.	1.1	72
4	Observing the Oceans Acoustically. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	69
5	North Pacific Acoustic Laboratory. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 1499-1510.	1.1	61
6	LOAPEX: The Long-Range Ocean Acoustic Propagation EXperiment. <i>IEEE Journal of Oceanic Engineering</i> , 2009, 34, 1-11.	3.8	45
7	Turning point filters: Analysis of sound propagation on a gyre-scale. <i>Journal of the Acoustical Society of America</i> , 2001, 110, 135-149.	1.1	38
8	Multipurpose Acoustic Networks in the Integrated Arctic Ocean Observing System. <i>Arctic</i> , 2015, 68, 11.	0.4	37
9	An example of ocean acoustic multipath identification at long range using both travel time and vertical arrival angle. <i>Journal of the Acoustical Society of America</i> , 1981, 70, 1743-1747.	1.1	32
10	Perturbations in travel time and ray geometry due to mesoscale disturbances: A comparison of exact and approximate calculations. <i>Journal of the Acoustical Society of America</i> , 1983, 74, 219-225.	1.1	32
11	Fluctuations of resolved acoustic multipaths at long range in the ocean. <i>Journal of the Acoustical Society of America</i> , 1981, 70, 565-576.	1.1	27
12	A Review of Ocean Acoustic Tomography: 1987-1990. <i>Reviews of Geophysics</i> , 1991, 29, 557-570.	23.0	26
13	Vertical line array measurements of ambient noise in the North Pacific. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1571-1581.	1.1	26
14	Observations of sound-speed fluctuations in the western Philippine Sea in the spring of 2009. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3185-3200.	1.1	25
15	Identification and quantification of soundscape components in the Marginal Ice Zone. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 1873-1885.	1.1	22
16	Eastern Arctic ambient noise on a drifting vertical array. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1997-2006.	1.1	22
17	Temporal and spatial dependence of a yearlong record of sound propagation from the Canada Basin to the Chukchi Shelf. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1663-1680.	1.1	22
18	Resonant diurnal internal tides in the North Atlantic. <i>Geophysical Research Letters</i> , 1998, 25, 2189-2192.	4.0	21

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19	Ocean Acoustics in the Rapidly Changing Arctic. <i>Acoustics Today</i> , 0, 16, 55.	1.0	20
20	Deep ocean long range underwater navigation. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2365-2382.	1.1	18
21	Reciprocal acoustic transmission in a midocean environment: Fluctuations. <i>Journal of the Acoustical Society of America</i> , 1979, 66, 1173-1181.	1.1	15
22	Observations of phase and intensity fluctuations for low-frequency, long-range transmissions in the Philippine Sea and comparisons to path-integral theory. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 567-585.	1.1	13
23	Acoustic scattering losses in the Greenland Sea marginal ice zone during the 1988-89 tomography experiment. <i>Journal of the Acoustical Society of America</i> , 1994, 96, 3045-3053.	1.1	12
24	Deep water acoustic range estimation based on an ocean general circulation model: Application to PhilSea10 data. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 4754-4773.	1.1	12
25	Observations of sound-speed fluctuations in the Beaufort Sea from summer 2016 to summer 2017. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 1536-1548.	1.1	12
26	Acoustic remote sensing of internal solitary waves and internal tides in the Strait of Gibraltar. <i>Journal of the Acoustical Society of America</i> , 2001, 110, 798-811.	1.1	9
27	Low-frequency pulse propagation over 510 km in the Philippine Sea: A comparison of observed and theoretical pulse spreading. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 216-228.	1.1	9
28	Resolution, identification, and stability of broadband acoustic arrivals in Fram Strait. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2055-2068.	1.1	9
29	Ocean acoustics in the changing Arctic. <i>Physics Today</i> , 2020, 73, 44-49.	0.3	9
30	Three-dimensional bottom diffraction in the North Pacific. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1913-1922.	1.1	7
31	Preliminary results for glider localization in the Beaufort Duct using broadband acoustic sources at long range. , 2019, , .		6
32	Experimental validation of a random matrix theory model for dominant mode rejection beamformer notch depth. , 2012, , .		5
33	Observations of low-frequency, long-range acoustic propagation in the Philippine Sea and comparisons with mode transport theory. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 877-897.	1.1	5
34	Barotropic Rossby wave radiation from a model Gulf Stream. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	4
35	THE DISCOVERY OF SOUND IN THE SEA WEB SITE: AN EDUCATIONAL RESOURCE. <i>Bioacoustics</i> , 2008, 17, 348-350.	1.7	4
36	Internal tides and deep diel fades in acoustic intensity. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 3952-3962.	1.1	4

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37	Observations of thermohaline sound-speed structure induced by internal waves and spice in the summer 2015 Canada Basin marginal ice zone. <i>Elementa</i> , 2018, 6, .	3.2	3
38	Envisioning a Global Multi-Purpose Ocean Acoustic Network. <i>Marine Technology Society Journal</i> , 2021, 55, 78-79.	0.4	2
39	Beaufort Sea observations of 11 to 12.5 kHz surface pulse reflections near 50 degree grazing angle from summer 2016 to summer 2017. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 106-125.	1.1	2
40	A test of deep water Rytov theory at 284â€‰%Hz and 107â€‰%km in the Philippine Sea. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2015-2023.	1.1	1
41	A seminal paper linking ocean acoustics and physical oceanography. <i>Journal of the Acoustical Society of America</i> , 2020, 148, R9-R10.	1.1	1
42	Introduction to the special issue on ocean acoustics in the changing arctic. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2787-2790.	1.1	1
43	Comparison of statistics of controlled source tones and single ship noise in the deep ocean. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
44	Rejoinder to: M.B. Kaplan, S. Solomon, A coming boom in commercial shipping? The potential for rapid growth of noise from commercial ships by 2030 [<i>Mar. Policy</i> 73 (Suppl. C) (2016) S119â€‰S121]. <i>Marine Policy</i> , 2018, 98, 174-175.	3.2	0