# Peter F Worcester

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1800947/publications.pdf

Version: 2024-02-01

| 44 | 1,061 | 430442 | 433756 |
|---|---|---|---|
| papers | citations | 18 h-index | 31 g-index |

| 51 | 51 | 51 | 774 |
|---|---|---|---|
| all docs | docs citations | times ranked | 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. Journal of the Acoustical Society of America, 1999, 105, 3185-3201. | 0.5 | 204 |
| 2 | Interference Pattern and Propagation of the M2 Internal Tide South of the Hawaiian Ridge. Journal of Physical Oceanography, 2010, 40, 311-325. | 0.7 | 89 |
| 3 | The North Pacific Acoustic Laboratory deep-water acoustic propagation experiments in the Philippine Sea. Journal of the Acoustical Society of America, 2013, 134, 3359-3375. | 0.5 | 72 |
| 4 | Observing the Oceans Acoustically. Frontiers in Marine Science, 2019, 6, . | 1.2 | 69 |
| 5 | North Pacific Acoustic Laboratory. Journal of the Acoustical Society of America, 2005, 117, 1499-1510. | 0.5 | 61 |
| 6 | LOAPEX: The Long-Range Ocean Acoustic Propagation EXperiment. IEEE Journal of Oceanic Engineering, 2009, 34, 1-11. | 2.1 | 45 |
| 7 | Turning point filters: Analysis of sound propagation on a gyre-scale. Journal of the Acoustical Society of America, 2001, 110, 135-149. | 0.5 | 38 |
| 8 | Multipurpose Acoustic Networks in the Integrated Arctic Ocean Observing System. Arctic, 2015, 68, 11. | 0.2 | 37 |
| 9 | An example of ocean acoustic multipath identification at long range using both travel time and vertical arrival angle. Journal of the Acoustical Society of America, 1981, 70, 1743-1747. | 0.5 | 32 |
| 10 | Perturbations in travel time and ray geometry due to mesoscale disturbances: A comparison of exact and approximate calculations. Journal of the Acoustical Society of America, 1983, 74, 219-225. | 0.5 | 32 |
| 11 | Fluctuations of resolved acoustic multipaths at long range in the ocean. Journal of the Acoustical Society of America, 1981, 70, 565-576. | 0.5 | 27 |
| 12 | A Review of Ocean Acoustic Tomography: 1987â€“1990. Reviews of Geophysics, 1991, 29, 557-570. | 9.0 | 26 |
| 13 | Vertical line array measurements of ambient noise in the North Pacific. Journal of the Acoustical Society of America, 2017, 141, 1571-1581. | 0.5 | 26 |
| 14 | Observations of sound-speed fluctuations in the western Philippine Sea in the spring of 2009. Journal of the Acoustical Society of America, 2013, 134, 3185-3200. | 0.5 | 25 |
| 15 | Identification and quantification of soundscape components in the Marginal Ice Zone. Journal of the Acoustical Society of America, 2016, 139, 1873-1885. | 0.5 | 22 |
| 16 | Eastern Arctic ambient noise on a drifting vertical array. Journal of the Acoustical Society of America, 2017, 142, 1997-2006. | 0.5 | 22 |
| 17 | Temporal and spatial dependence of a yearlong record of sound propagation from the Canada Basin to the Chukchi Shelf. Journal of the Acoustical Society of America, 2020, 148, 1663-1680. | 0.5 | 22 |
| 18 | Resonant diurnal internal tides in the North Atlantic. Geophysical Research Letters, 1998, 25, 2189-2192. | 1.5 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ocean Acoustics in the Rapidly Changing Arctic. Acoustics Today, 0, 16, 55. | 1.0 | 20 |
| 20 | Deep ocean long range underwater navigation. Journal of the Acoustical Society of America, 2020, 147, 2365-2382. | 0.5 | 18 |
| 21 | Reciprocal acoustic transmission in a midocean environment: Fluctuations. Journal of the Acoustical Society of America, 1979, 66, 1173-1181. | 0.5 | 15 |
| 22 | Observations of phase and intensity fluctuations for low-frequency, long-range transmissions in the Philippine Sea and comparisons to path-integral theory. Journal of the Acoustical Society of America, 2019, 146, 567-585. | 0.5 | 13 |
| 23 | Acoustic scattering losses in the Greenland Sea marginal ice zone during the 1988â€“89 tomography experiment. Journal of the Acoustical Society of America, 1994, 96, 3045-3053. | 0.5 | 12 |
| 24 | Deep water acoustic range estimation based on an ocean general circulation model: Application to PhilSea10 data. Journal of the Acoustical Society of America, 2019, 146, 4754-4773. | 0.5 | 12 |
| 25 | Observations of sound-speed fluctuations in the Beaufort Sea from summer 2016 to summer 2017. Journal of the Acoustical Society of America, 2021, 149, 1536-1548. | 0.5 | 12 |
| 26 | Acoustic remote sensing of internal solitary waves and internal tides in the Strait of Gibraltar. Journal of the Acoustical Society of America, 2001, 110, 798-811. | 0.5 | 9 |
| 27 | Low-frequency pulse propagation over 510â€‰km in the Philippine Sea: A comparison of observed and theoretical pulse spreading. Journal of the Acoustical Society of America, 2016, 140, 216-228. | 0.5 | 9 |
| 28 | Resolution, identification, and stability of broadband acoustic arrivals in Fram Strait. Journal of the Acoustical Society of America, 2017, 141, 2055-2068. | 0.5 | 9 |
| 29 | Ocean acoustics in the changing Arctic. Physics Today, 2020, 73, 44-49. | 0.3 | 9 |
| 30 | Three-dimensional bottom diffraction in the North Pacific. Journal of the Acoustical Society of America, 2019, 146, 1913-1922. | 0.5 | 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. Journal of the Acoustical Society of America, 2020, 147, 877-897. | 0.5 | 5 |
| 34 | Barotropic Rossby wave radiation from a model Gulf Stream. Geophysical Research Letters, 2007, 34, . | 1.5 | 4 |
| 35 | THEDISCOVERY OF SOUND IN THE SEAWEB SITE: AN EDUCATIONAL RESOURCE. Bioacoustics, 2008, 17, 348-350. | 0.7 | 4 |
| 36 | Internal tides and deep diel fades in acoustic intensity. Journal of the Acoustical Society of America, 2016, 140, 3952-3962. | 0.5 | 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. Elementa, 2018, 6, . | 1.1 | 3 |
| 38 | Envisioning a Global Multi-Purpose Ocean Acoustic Network. Marine Technology Society Journal, 2021, 55, 78-79. | 0.3 | 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. Journal of the Acoustical Society of America, 2022, 151, 106-125. | 0.5 | 2 |
| 40 | A test of deep water Rytov theory at 284â€‰Hz and 107â€‰km in the Philippine Sea. Journal of the Acoustical Society of America, 2015, 138, 2015-2023. | 0.5 | 1 |
| 41 | A seminal paper linking ocean acoustics and physical oceanography. Journal of the Acoustical Society of America, 2020, 148, R9-R10. | 0.5 | 1 |
| 42 | Introduction to the special issue on ocean acoustics in the changing arctic. Journal of the Acoustical Society of America, 2022, 151, 2787-2790. | 0.5 | 1 |
| 43 | Comparison of statistics of controlled source tones and single ship noise in the deep ocean. Proceedings of Meetings on Acoustics, 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 [Mar. Policy 73 (Suppl. C) (2016) S119â€“S121]. Marine Policy, 2018, 98, 174-175. | 1.5 | 0 |