

# Ying-Tsong Lin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/153135/publications.pdf>

Version: 2024-02-01

57  
papers

942  
citations

393982

19  
h-index

500791

28  
g-index

89  
all docs

89  
docs citations

89  
times ranked

432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transdimensional Geoacoustic Inversion Using Prior Information on Range-Dependent Seabed Layering. IEEE Journal of Oceanic Engineering, 2022, 47, 594-606.	2.1	5
2	Horizontal refraction and diffraction of underwater sound around an island. Journal of the Acoustical Society of America, 2022, 151, 1684-1694.	0.5	4
3	Acoustic detection range of right whale upcalls identified in near-real time from a moored buoy and a Slocum glider. Journal of the Acoustical Society of America, 2022, 151, 2558-2575.	0.5	6
4	Maximum entropy inference of seabed properties using waveguide invariant features from surface ships. Journal of the Acoustical Society of America, 2022, 151, 2885-2896.	0.5	4
5	Effects of Pacific Summer Water layer variations and ice cover on Beaufort Sea underwater sound ducting. Journal of the Acoustical Society of America, 2021, 149, 2117-2136.	0.5	17
6	Effect of the Presence of Virus-like Particles on Bacterial Growth in Sunlit Surface and Dark Deep Ocean Environments in the Southern East China Sea. Water (Switzerland), 2021, 13, 2934.	1.2	2
7	Three-dimensional modeling of T-wave generation and propagation from a South Mid-Atlantic Ridge earthquake. Journal of the Acoustical Society of America, 2021, 150, 3807-3824.	0.5	2
8	Real-time acoustic modeling in the New England Shelf Break Experiment. Journal of the Acoustical Society of America, 2021, 150, A83-A83.	0.5	0
9	Acoustic normal mode dispersion in shallow water with a low speed bottom layer. , 2021, , .		0
10	Broadband Waveform Geoacoustic Inversions With Absolute Travel Time. IEEE Journal of Oceanic Engineering, 2020, 45, 174-188.	2.1	20
11	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
12	Low-Frequency Acoustic Propagation Through Crossing Internal Waves in Shallow Water. Journal of Theoretical and Computational Acoustics, 2020, 28, 1950013.	0.5	2
13	Geoacoustic Inversion for a New England Mud Patch Sediment Using the Silt-Suspension Theory of Marine Mud. IEEE Journal of Oceanic Engineering, 2020, 45, 144-160.	2.1	10
14	Characterization of impact pile driving signals during installation of offshore wind turbine foundations. Journal of the Acoustical Society of America, 2020, 147, 2323-2333.	0.5	23
15	Quantifying the contribution of ship noise to the underwater sound field. Journal of the Acoustical Society of America, 2020, 148, 3863-3872.	0.5	7
16	Acceleration in Acoustic Wave Propagation Modelling Using OpenACC/OpenMP and Its Hybrid for the Global Monitoring System. Lecture Notes in Computer Science, 2020, , 25-46.	1.0	3
17	Effects of front width on acoustic ducting by a continuous curved front over a sloping bottom. Journal of the Acoustical Society of America, 2019, 146, 1923-1933.	0.5	6
18	Three-dimensional ambient noise modeling in a submarine canyon. Journal of the Acoustical Society of America, 2019, 146, 1956-1967.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Introduction to the special issue on three-dimensional underwater acoustics. Journal of the Acoustical Society of America, 2019, 146, 1855-1857.	0.5	12
20	Three-dimensional global scale underwater sound modeling: The T-phase wave propagation of a Southern Mid-Atlantic Ridge earthquake. Journal of the Acoustical Society of America, 2019, 146, 2124-2135.	0.5	13
21	Three-dimensional boundary fitted parabolic-equation model of underwater sound propagation. Journal of the Acoustical Society of America, 2019, 146, 2058-2067.	0.5	18
22	3D acoustic propagation through an estuarine salt wedge at low-to-mid-frequencies: Modeling and measurement. Journal of the Acoustical Society of America, 2019, 146, 1888-1902.	0.5	7
23	Parameter dependence of acoustic mode quantities in an idealized model for shallow-water nonlinear internal wave ducts. Journal of the Acoustical Society of America, 2019, 146, 1934-1945.	0.5	4
24	Multiscale multiphysics data-informed modeling for three-dimensional ocean acoustic simulation and prediction. Journal of the Acoustical Society of America, 2019, 146, 1996-2015.	0.5	20
25	A three-dimensional underwater sound propagation model for offshore wind farm noise prediction. Journal of the Acoustical Society of America, 2019, 145, EL335-EL340.	0.5	16
26	Estimating the parameter sensitivity of acoustic mode quantities for an idealized shelf-slope front. Journal of the Acoustical Society of America, 2018, 143, 706-715.	0.5	7
27	Geoacoustic inversion on the New England Mud Patch using warping and dispersion curves of high-order modes. Journal of the Acoustical Society of America, 2018, 143, EL405-EL411.	0.5	41
28	Internal Tidal Modal Ray Refraction and Energy Ducting in Baroclinic Gulf Stream Currents. Journal of Physical Oceanography, 2018, 48, 1969-1993.	0.7	26
29	A Method of Observing Acoustic Scattering and Absorption By Fish Schools Using Autonomous Underwater Vehicles. IEEE Journal of Oceanic Engineering, 2017, 42, 29-36.	2.1	6
30	Approximate formulas and physical interpretations for horizontal acoustic modes in a shelf-slope front model. Journal of the Acoustical Society of America, 2016, 140, EL20-EL25.	0.5	7
31	Issues and progress in the prediction of ocean submesoscale features and internal waves. , 2014, , .		8
32	Three-dimensional coupled mode analysis of internal-wave acoustic ducts. Journal of the Acoustical Society of America, 2014, 135, 2497-2512.	0.5	13
33	THREE-DIMENSIONAL SOUND PROPAGATION MODELS USING THE PARABOLIC-EQUATION APPROXIMATION AND THE SPLIT-STEP FOURIER METHOD. Journal of Computational Acoustics, 2013, 21, 1250018.	1.0	62
34	Horizontal ducting of sound by curved nonlinear internal gravity waves in the continental shelf areas. Journal of the Acoustical Society of America, 2013, 133, 37-49.	0.5	18
35	A higher-order tangent linear parabolic-equation solution of three-dimensional sound propagation. Journal of the Acoustical Society of America, 2013, 134, EL251-EL257.	0.5	9
36	A three-dimensional parabolic equation model of sound propagation using higher-order operator splitting and Pad� approximants. Journal of the Acoustical Society of America, 2012, 132, EL364-EL370.	0.5	47

#	ARTICLE	IF	CITATIONS
37	Analytical study of the horizontal ducting of sound by an oceanic front over a slope. Journal of the Acoustical Society of America, 2012, 131, EL1-EL7.	0.5	17
38	Horizontal coherence of low-frequency fixed-path sound in a continental shelf region with internal-wave activity. Journal of the Acoustical Society of America, 2012, 131, 1782-1797.	0.5	42
39	Sonar-induced pressure fields in a post-mortem common dolphin. Journal of the Acoustical Society of America, 2012, 131, 1595-1604.	0.5	2
40	Observations of sound-speed fluctuations on the New Jersey continental shelf in the summer of 2006. Journal of the Acoustical Society of America, 2012, 131, 1733-1748.	0.5	30
41	A higher-order split-step Fourier parabolic-equation sound propagation solution scheme. Journal of the Acoustical Society of America, 2012, 132, EL61-EL67.	0.5	27
42	Low-frequency broadband sound source localization using an adaptive normal mode back-propagation approach in a shallow-water ocean. Journal of the Acoustical Society of America, 2012, 131, 1798-1813.	0.5	21
43	Long distance passive localization of vocalizing sei whales using an acoustic normal mode approach. Journal of the Acoustical Society of America, 2012, 131, 1814-1825.	0.5	30
44	Studies of internal tide generation at a slope with nonlinear and linearized simulations: Dynamics and implications for ocean acoustics. , 2012, , .		1
45	On whether azimuthal isotropy and alongshelf translational invariance are present in low-frequency acoustic propagation along the New Jersey shelfbreak. Journal of the Acoustical Society of America, 2012, 131, 1762-1781.	0.5	6
46	Horizontal refraction of propagating sound due to seafloor scours over a range-dependent layered bottom on the New Jersey shelf. Journal of the Acoustical Society of America, 2012, 131, 2587-2598.	0.5	22
47	Frequency shifts of the sound field interference pattern on oceanic shelf in summer conditions. Acoustical Physics, 2011, 57, 381-390.	0.2	23
48	Acoustic multipath arrivals in the horizontal plane due to approaching nonlinear internal waves. Journal of the Acoustical Society of America, 2011, 129, EL141-EL147.	0.5	39
49	Observationally constrained modeling of sound in curved ocean internal waves: Examination of deep ducting and surface ducting at short range. Journal of the Acoustical Society of America, 2011, 130, 1173-1187.	0.5	22
50	Focused sound from three-dimensional sound propagation effects over a submarine canyon. Journal of the Acoustical Society of America, 2011, 129, EL260-EL266.	0.5	15
51	Merging Multiple-Partial-Depth Data Time Series Using Objective Empirical Orthogonal Function Fitting. IEEE Journal of Oceanic Engineering, 2010, 35, 710-721.	2.1	22
52	Computational studies of time-varying three-dimensional acoustic propagation in canyon and slope regions. , 2010, , .		3
53	Acoustic Ducting, Reflection, Refraction, and Dispersion by Curved Nonlinear Internal Waves in Shallow Water. IEEE Journal of Oceanic Engineering, 2010, 35, 12-27.	2.1	62
54	Horizontal focusing/defocusing due to shallow-water internal waves. Proceedings of Meetings on Acoustics, 2010, , .	0.3	0

#	ARTICLE	IF	CITATIONS
55	Acoustic mode radiation from the termination of a truncated nonlinear internal gravity wave duct in a shallow ocean area. Journal of the Acoustical Society of America, 2009, 126, 1752-1765.	0.5	29
56	AZIMUTHAL LIMITATION IN 3D PE APPROXIMATION FOR UNDERWATER ACOUSTIC PROPAGATION. Journal of Computational Acoustics, 2007, 15, 221-233.	1.0	4
57	Modeling acoustic propagation of airgun array pulses recorded on tagged sperm whales (Physeter) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	39