

Ying-Tsong Lin

List of Publications by Year in descending order

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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 | 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 |
| 2 | 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 |
| 3 | A three-dimensional parabolic equation model of sound propagation using higher-order operator splitting and Padé approximants. Journal of the Acoustical Society of America, 2012, 132, EL364-EL370. | 0.5 | 47 |
| 4 | 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 |
| 5 | 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 |
| 6 | Modeling acoustic propagation of airgun array pulses recorded on tagged sperm whales (Physeter) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 | 0.5 | 39 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Internal Tidal Modal Ray Refraction and Energy Ducting in Baroclinic Gulf Stream Currents. Journal of Physical Oceanography, 2018, 48, 1969-1993. | 0.7 | 26 |
| 13 | Frequency shifts of the sound field interference pattern on oceanic shelf in summer conditions. Acoustical Physics, 2011, 57, 381-390. | 0.2 | 23 |
| 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 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Low-frequency broadband sound source localization using an adaptive normal mode back-propagation approach in a shallow-water ocean. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1798-1813. | 0.5 | 21 |
| 20 | Multiscale multiphysics data-informed modeling for three-dimensional ocean acoustic simulation and prediction. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1996-2015. | 0.5 | 20 |
| 21 | Broadband Waveform Geoacoustic Inversions With Absolute Travel Time. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 174-188. | 2.1 | 20 |
| 22 | Horizontal ducting of sound by curved nonlinear internal gravity waves in the continental shelf areas. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 37-49. | 0.5 | 18 |
| 23 | Three-dimensional boundary fitted parabolic-equation model of underwater sound propagation. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2058-2067. | 0.5 | 18 |
| 24 | Analytical study of the horizontal ducting of sound by an oceanic front over a slope. <i>Journal of the Acoustical Society of America</i> , 2012, 131, EL1-EL7. | 0.5 | 17 |
| 25 | Effects of Pacific Summer Water layer variations and ice cover on Beaufort Sea underwater sound ducting. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 2117-2136. | 0.5 | 17 |
| 26 | A three-dimensional underwater sound propagation model for offshore wind farm noise prediction. <i>Journal of the Acoustical Society of America</i> , 2019, 145, EL335-EL340. | 0.5 | 16 |
| 27 | Focused sound from three-dimensional sound propagation effects over a submarine canyon. <i>Journal of the Acoustical Society of America</i> , 2011, 129, EL260-EL266. | 0.5 | 15 |
| 28 | Three-dimensional coupled mode analysis of internal-wave acoustic ducts. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 2497-2512. | 0.5 | 13 |
| 29 | Three-dimensional global scale underwater sound modeling: The T-phase wave propagation of a Southern Mid-Atlantic Ridge earthquake. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2124-2135. | 0.5 | 13 |
| 30 | Introduction to the special issue on three-dimensional underwater acoustics. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1855-1857. | 0.5 | 12 |
| 31 | Geoacoustic Inversion for a New England Mud Patch Sediment Using the Silt-Suspension Theory of Marine Mud. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 144-160. | 2.1 | 10 |
| 32 | A higher-order tangent linear parabolic-equation solution of three-dimensional sound propagation. <i>Journal of the Acoustical Society of America</i> , 2013, 134, EL251-EL257. | 0.5 | 9 |
| 33 | Issues and progress in the prediction of ocean submesoscale features and internal waves. , 2014, , . | | 8 |
| 34 | Three-dimensional ambient noise modeling in a submarine canyon. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1956-1967. | 0.5 | 8 |
| 35 | Approximate formulas and physical interpretations for horizontal acoustic modes in a shelf-slope front model. <i>Journal of the Acoustical Society of America</i> , 2016, 140, EL20-EL25. | 0.5 | 7 |
| 36 | Estimating the parameter sensitivity of acoustic mode quantities for an idealized shelf-slope front. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 706-715. | 0.5 | 7 |

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|----|--|-----|-----------|
| 37 | 3D acoustic propagation through an estuarine salt wedge at low-to-mid-frequencies: Modeling and measurement. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1888-1902. | 0.5 | 7 |
| 38 | Quantifying the contribution of ship noise to the underwater sound field. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 3863-3872. | 0.5 | 7 |
| 39 | On whether azimuthal isotropy and alongshelf translational invariance are present in low-frequency acoustic propagation along the New Jersey shelfbreak. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1762-1781. | 0.5 | 6 |
| 40 | A Method of Observing Acoustic Scattering and Absorption By Fish Schools Using Autonomous Underwater Vehicles. <i>IEEE Journal of Oceanic Engineering</i> , 2017, 42, 29-36. | 2.1 | 6 |
| 41 | Effects of front width on acoustic ducting by a continuous curved front over a sloping bottom. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1923-1933. | 0.5 | 6 |
| 42 | Acoustic detection range of right whale upcalls identified in near-real time from a moored buoy and a Slocum glider. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2558-2575. | 0.5 | 6 |
| 43 | Transdimensional Geoacoustic Inversion Using Prior Information on Range-Dependent Seabed Layering. <i>IEEE Journal of Oceanic Engineering</i> , 2022, 47, 594-606. | 2.1 | 5 |
| 44 | AZIMUTHAL LIMITATION IN 3D PE APPROXIMATION FOR UNDERWATER ACOUSTIC PROPAGATION. <i>Journal of Computational Acoustics</i> , 2007, 15, 221-233. | 1.0 | 4 |
| 45 | Parameter dependence of acoustic mode quantities in an idealized model for shallow-water nonlinear internal wave ducts. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1934-1945. | 0.5 | 4 |
| 46 | Horizontal refraction and diffraction of underwater sound around an island. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1684-1694. | 0.5 | 4 |
| 47 | Maximum entropy inference of seabed properties using waveguide invariant features from surface ships. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2885-2896. | 0.5 | 4 |
| 48 | Computational studies of time-varying three-dimensional acoustic propagation in canyon and slope regions. , 2010, , . | | 3 |
| 49 | Acceleration in Acoustic Wave Propagation Modelling Using OpenACC/OpenMP and Its Hybrid for the Global Monitoring System. <i>Lecture Notes in Computer Science</i> , 2020, , 25-46. | 1.0 | 3 |
| 50 | Sonar-induced pressure fields in a post-mortem common dolphin. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1595-1604. | 0.5 | 2 |
| 51 | Low-Frequency Acoustic Propagation Through Crossing Internal Waves in Shallow Water. <i>Journal of Theoretical and Computational Acoustics</i> , 2020, 28, 1950013. | 0.5 | 2 |
| 52 | 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. <i>Water (Switzerland)</i> , 2021, 13, 2934. | 1.2 | 2 |
| 53 | Three-dimensional modeling of T-wave generation and propagation from a South Mid-Atlantic Ridge earthquake. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 3807-3824. | 0.5 | 2 |
| 54 | Studies of internal tide generation at a slope with nonlinear and linearized simulations: Dynamics and implications for ocean acoustics. , 2012, , . | | 1 |

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|----|--|-----|-----------|
| 55 | Horizontal focusing/defocusing due to shallow-water internal waves. Proceedings of Meetings on Acoustics, 2010, , . | 0.3 | 0 |
| 56 | 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 |
| 57 | Acoustic normal mode dispersion in shallow water with a low speed bottom layer. , 2021, , . | | 0 |