

360 citations to some papers by Ji-Xun Zhou (周纪浔)

A. 151 Citations on Acoustic Interactions with Nonlinear Internal Waves

(I) ZHOU JX, ZHANG XZ and ROGERS PH, "RESONANT INTERACTION OF SOUND WAVE WITH INTERNAL SOLITONS IN THE COASTAL ZONE," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 90: (4) 2042-2054, OCT 1991.

Documents in the database cite the above article: (Times Cited: 127)

1. Yang, T. C. "Acoustic mode coupling induced by nonlinear internal waves: Evaluation of the mode coupling matrices and applications." The Journal of the Acoustical Society of America **135** (2) (2014): 610-625.
2. Badiey M, Wan L, and Song A, "Three-dimensional mapping of evolving internal waves during the Shallow Water 2006 experiment," J. Acoust. Soc. Am. Volume 134, Issue 1, pp. EL7-EL13 (2013).
3. Duda TF, "Identifying and meeting new challenges in shallow water acoustics," Proceedings of Acoustics 2013, November 2013, pp. 1-8, Victor Harbor, Australia, Australian Acoustical Society.
4. Lorenzetti JA and Dias FG, "Internal Solitary Waves in the Brazilian SE Continental Shelf: Observations by Synthetic Aperture Radar," Int. J. Oceanography, Volume 2013 (2013), Article ID 403259, 11 pages.
5. A. N. Rutenko, "Losses during sound propagation on the shelf," Acoustical Physics, July 2013, Volume 59, Issue 4, pp. 416-421.
6. Mandal, A. K., Misra, S., & Dash, M, "Stochastic modeling of internal wave induced acoustic signal fluctuation and performance evaluation of shallow UWANs." In IEEE Communications Workshops (ICC), pp. 1101-1105, 2013.
7. McKenna, Megan F.; Wiggins, Sean M.; Hildebrand, John A., "Relationship between container ship underwater noise levels and ship design, operational and oceanographic conditions," SCIENTIFIC REPORTS Volume: 3, Article Number: 1760 DOI: 10.1038/srep01760 Published: MAY 2 2013.
8. Li, Jianlong; Zhou, Hui, "Tracking of time-evolving sound speed profiles in shallow water using an ensemble Kalman-particle filter," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 3 Pp. 1377-1386, MAR 2013.
9. Lin, Ying-Tsong; McMahon, Kara G.; Lynch, James F.; et al., "Horizontal ducting of sound by curved nonlinear internal gravity waves in the continental shelf areas," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 1 Pages: 37-49, JAN 2013.
10. Katsnelson, B., Petnikov, V., & Lynch, J., Fundamentals of Shallow Water Acoustics, Springer US (2012).
11. Z.S. Si, .S. Fan and L. Du "Distribution of vertical turbulent mixing parameter caused by internal tidal waves and solitary waves in the South Yellow Sea," JOURNAL OF OCEAN UNIVERSITY OF CHINA Volume: 11 Issue: 3 Pages: 279-289, SEP 2012.

12. Jackson, Christopher R.; da Silva, Jose C. B.; Jeans, Gus, "THE GENERATION OF NONLINEAR INTERNAL WAVES," *OCEANOGRAPHY* **25** (2) pp.108-123, JUN 2012.
13. Li JL, Xu W, Jin LL, "Inversion of ocean environmental variations via time-reversal Acoustics," *INVERSE PROBLEMS*, 28 (5), Article Number: 055014 (2012).
14. Duda, Timothy F.; Collis, Jon M.; Lin, Ying-Tsong; et al., "Horizontal coherence of low-frequency fixed-path sound in a continental shelf region with internal-wave activity," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 131 Issue: 2 Pages: 1782-1797, Part: 2, FEB 2012.
15. Lynch James F.; Emerson Chris; Abbot Philip A.; et al., "On whether azimuthal isotropy and along shelf translational invariance are present in low- frequency acoustic propagation along the New Jersey shelfbreak," *J. OF THE ACOUSTICAL SOCIETY OF AMERICA*, **131** (2), 1762-1781, Part 2 (2012).
16. Colosi John A.; Duda Timothy F.; Morozov Andrey K., "Statistics of low-frequency normal-mode amplitudes in an ocean with random sound-speed perturbations: Shallow-water environments," *J. OF THE ACOUSTICAL SOCIETY OF AMERICA*, **131** (2), 1749-1761, Part 2 (FEB 2012).
17. Q Li, *Digital Sonar Design in Underwater Acoustics*, 2012 - Springer
18. Li, Qihu, "Thirty Years of Underwater Acoustic Signal Processing in China," in *ADVANCES IN OCEAN ACOUSTICS*, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 83-93, Book Editor(s): Zhou, J; Li, Z; Simmen, J, (2012).
19. Badiy, M.; Lynch, J. F., "Recent studies of acoustic wave propagation in shallow water waveguides with variable water column properties," in *ADVANCES IN OCEAN ACOUSTICS*, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 105-126, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
20. Li, Zhenglin; Zhang, Renhe; Badiy, Mohsen; et al., "Arrival Time Fluctuation of Normal Modes Caused by Solitary Internal Waves," in *ADVANCES IN OCEAN ACOUSTICS*, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 338-344, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
21. Pannatoni R. F., "Coupled mode theory for irregular acoustic waveguides with loss," *ACOUSTICAL PHYSICS*, **57** (1), 36-50 (2011).
22. Chu PC, Hsieh CP, "Effect of Internal Solitary Waves on Underwater Acoustic Propagation," *MARINE TECHNOLOGY SOCIETY JOURNAL*, **44** (5), 10-16 (2010).
23. Chiu LYS, Chang AYY, Chen CF, et al., "Three-dimensional acoustic simulation of an acoustic refraction by a nonlinear wave in a wedge bathymetry," *J. Computational Acoustics*, **18** (3), 279-296 (2010).
24. Rutenko AN, "The influence of internal waves on losses during sound propagation on a shelf," *ACOUSTICAL PHYSICS*, **56** (5), 703-713 (2010).
25. C. H. Liu, B. Chen, R.H. Tao et al., "A model for acoustics fluctuations due to internal waves," *Signal Processing Systems (ICSPS)*, 5-7 July (2010), PP. V2-747 - V2-751
26. Badiy, Mohsen, "Experimental observations of internal wave influence on acoustic propagation in shallow water," *SHALLOW-WATER ACOUSTICS*, Book Series: AIP Conference Proceedings Volume: 1272 Pages: 173-182, Published: 2010, Book Editor(s): Simmen, J; Livingston, ES; Zhou, JX; et al.
27. Lin, Ju; Wang, Huan; Sun, Junping, "Effect of tidal internal wave fields on shallow water acoustic propagation," *SHALLOW-WATER ACOUSTICS*, Book Series: AIP Conference

- Proceedings Volume: 1272 Pages: 191-198 Published: 2010, Book Editor(s): Simmen, J; Livingston, ES; Zhou, JX; et al.
28. Lynch, James F.; Duda, Timothy F.; Lin, Ying-Tsong; et al., "Nonlinear Internal Wave Interactions with Low Frequency Shallow Water Sound - What is left to Do?" *SHALLOW-WATER ACOUSTICS*, Book Series: AIP Conference Proceedings, Volume: 1272, Pages: 23-27, Published: 2010, Book Editor(s): Simmen, J; Livingston, ES; Zhou, JX; et al.
 29. Lunkov AA, Petnikov VG, "Effect of random hydrodynamic inhomogeneities on low frequency sound propagation loss in shallow water," *ACOUSTICAL PHYSICS* Volume: 56 Issue: 3 Pages: 328-335, MAY 2010.
 30. Lynch JF, Lin YT, Duda TF, et al., "Acoustic Ducting, Reflection, Refraction, and Dispersion by Curved Nonlinear Internal Waves in Shallow Water," *IEEE JOURNAL OF OCEANIC ENGINEERING* Volume: 35 Issue: 1 Pages: 12-27, JAN 2010.
 31. Warn-Varnas A, Hawkins J, Lamb KG, et al., "Solitary wave generation dynamics at Luzon strait," *OCEAN MODELLING* Volume: 31 Issue: 1-2 Pages: 9-27, 2010.
 32. TSURUGAYA Y, MIZUTANI K, "Influence on Sound Wave Propagation of the Relation Between Internal Wave Position and Turning Ray," *J. the Marine Acoustics Society of Japan* Vol. 37 (2010) No. 1 P 25-33.
 33. Warn-Varnas A, Chin-Bing SA, King DB, et al, "Effects on acoustics caused by ocean solitons, Part A: Oceanography," *NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS* Volume: 71 Issue: 12 Pages: E1807-E1817, DEC 15, 2009
 34. Chin-Bing SA, Warn-Varnas A, King DB, et al., "Effects on acoustics caused by ocean solitons, Part B: Acoustics," *NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS* Volume: 71 Issue: 12 Pages: E2194-E2204, DEC 15, 2009
 35. Lin YT, Duda TF, Lynch JF, "Acoustic mode radiation from the termination of a truncated nonlinear wave duct in a shallow ocean area," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 126 Issues: 4 Pages: 1752-1765, Part 1, OCT 2009
 36. Jackson CR, "An empirical model for estimating the geographic location of nonlinear solitary waves," *JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY* Volume: 26 Issue: 10 Pages: 2243-2255, OCT 2009.
 37. Christov I, "Internal solitary waves in the ocean: Analysis using the periodic, inverse scattering transform," *MATHEMATICS AND COMPUTERS IN SIMULATION* Volume: 80 Issue: 1 Page: 192-201, SEP 2009.
 38. Grigor'ev VA, Katsnel'son BG, "Intensity variations of high-frequency sound pulses due to the motion of shallow-water internal solitons," *ACOUSTICAL PHYSICS* Volume: 55 Issue: 1 Pages: 68-75, JAN 2009.
 39. Colosi JA, "Acoustic model coupling induced by shallow water nonlinear internal waves: Sensitivity to environmental conditions and space-time scales of internal waves," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 124 Issue: 3 Pages: 1452-1464, SEP 2008.
 40. Rouseff D, Tang D, Williams KL, et al., "Mid-frequency sound propagation through internal waves at short range with synoptic oceanographic observations," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 124 Issue: 3 Pages: EL73-EL77 SEP 2008
 41. Warn-Varnas AC, Chin-Bing SA, King DB, et al., "Winter PRIMER ocean-acoustic solitary modeling studies," *IEEE JOURNAL OF OCEANIC ENGINEERING* **32** (2): Pages:436-452, APR 2007.

42. Chin-Bing, S. A., Warn-Varnas, A. C., King, D. B., & Christov, I. (2007). *Using Ocean Acoustics to Improve Large Shallow-water Soliton Simulations* (pp. 1-5), MTS/IEEE Oceans 2007.
43. Katsnel'son BG, Badiey M, Lynch J, "Horizontal refraction of sound in a shallow water and its experimental observations," *ACOUSTICAL PHYSICS* **53** (3): 313-325 MAY 2007
44. Bouchage G, Taroudakis MI, "Fluctuations of the modal arrival times due to linear internal waves: Application to inversion," *JOURNAL OF COMPUTATIONAL ACOUSTICS* **14** (4): 469-487 DEC 2006.
45. Apel JR, Ostrovsky LA, Stepanyants YA, et al., "Internal solitons in the ocean and their effect on underwater sound," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* **121** (2): 695-722 FEB 2007
46. Kumar PVH, Sanilkumar KV, Panchalai VN, "Shallow water internal waves and associated acoustic intensity fluctuations," *DEFENCE SCIENCE JOURNAL* **56** (4): 485-493 OCT 2006.
47. Lin YT, Chen CF, Lynch JF, "An equivalent transform method for evaluation the effect of water-column mismatch on geoacoustic inversion," *IEEE JOURNAL OF OCEANIC ENGINEERING* **31** (2): 284-298 APR 2006.
48. Linder CA, Gawarkiewicz GG, Taylor M, "Climatological estimation of environmental uncertainty over the middle Atlantic bight shelf and slope," *IEEE JOURNAL OF OCEANIC ENGINEERING* **31** (2): 308-324 APR 2006
49. Rutenko AN, "Spectral features of the water temperature and sound intensity variations measured on the shelf of the sea of Japan," *ACOUSTICAL PHYSICS* **52** (4): 455-461 JUL-AUG 2006.
50. Kuz'kin VM, Lavrova OY, Pereselkov SA, Petnikov VG, et al, "Anisotropic field of background internal waves on a sea shelf and its effect on low-frequency sound propagation," *ACOUSTICAL PHYSICS* **52** (1): 65-76 JAN-FEB 2006
51. Lynch JF, Colosi JA, Gawarkiewicz GG, et al, "Consideration of fine-scale coastal oceanography and 3-D acoustic effects for the ESME sound exposure model," *IEEE J OCEANIC ENG* **31** (1): 33-48 JAN 2006
52. Duda TF, "Temporal and cross-range coherence of sound traveling through shallow-water nonlinear internal wave packets," *J ACOUST SOC AM* **119** (6): 3717-3725 JUN 2006
53. George J, Field RL, "Fluctuations in sound transmission through sound speed profiles that are periodic in range and geotime," *ACOUSTICS RESEARCH LETTERS ONLINE-ARLO* **6** (4): 263-267 OCT 2005
54. Frank SD, Badiey M, Lynch JF, et al., "Experimental evidence of three-dimensional acoustic propagation by nonlinear internal waves," *J ACOUST SOC AM* **118** (2): 723-734 AUG 2005
55. Warns-Varnas AC, Chin-Bing SA, King DB, et al, "Yellow Sea ocean-acoustic solitary wave modeling studies," *JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS* **110** (C8): Art. No. C08001 AUG 4 2005
56. Rutenko AN, "The effect of internal waves on the sound propagation in the shelf zone of the Sea of Japan in different seasons," *ACOUSTICAL PHYSICS* **51** (4): 449-456 (2005).
57. Fredricks A, Colosi JA, Lynch JF, et al., "Analysis of multipath scintillations from long range acoustic transmissions on the New England continental slope and shelf," *J ACOUST SOC AM* **117** (3): 1038-1057 Part 1 MAR 2005
58. Badiey M, Katsnelson BG, Lynch JF, et al, "Measurements and modeling of three-

- dimensional sound intensity variations due to shallow-water internal waves,” J ACOUST SOC AM **117** (2): 613-625 FEB 2005.
59. Frank SD, Badiay M, Lynch JF, Siegmann WL, “Analysis and modeling of broadband airgun data influenced by nonlinear internal waves,” J ACOUST SOC AM **116** (6): 3404-3422 DEC 2004.
 60. Huang XD, Li ZL, Zhang RH, “Effects of the internal waves on the time correlation of the acoustic fields in the East China Sea,” Progress in Natural Science **14**(11): 945-949, Nov 2004.
 61. Kuperman WA, Lynch JF, “Shallow-Water Acoustics,” Physics Today **57**(10):55-61 OCT 2004.
 62. Li ZL, Zhang RH, Peng ZH, et al, “Anomalous sound propagation due to the horizontal variation of seabed acoustic properties,” Science in China Series G-Physics Mechanics & Astronomy **47**(5):571-580 OCT 2004.
 63. Goodman RR, “A brief History of Underwater acoustics,” in <ASA at 75>, Acoustical Society of America 75th Anniversary Book, 204-227 (2004), HA Bass and WJ Cavanaugh, Editors. (P.217 & P.225).
 64. Katsnel'son BG, Pereselkov SA, "Space-Frequency Dependence of the Horizontal Structure of a Sound Field in the Presence of Intense Internal Waves, “ACOUST PHYS 50 (2): 169-176 MAR-APR 2004.
 65. Chiu, Y. S., Chen, Y. S., Lin, Y. T., & Chen, C. F. (2004, November). J-15 CW transmission data analysis and comparison with simulation results. In *OCEANS'04. MTT/IEEE TECHNO-OCEAN'04* (Vol. 4, pp. 2129-2135).
 66. Apel JR, “A new analytical model for internal solitons in the ocean,” J PHYS OCEANOGR **33** (11): 2247-2269 NOV 2003.
 67. Rutenko AN , “Effect of internal waves on the intensity and interference structure of Sound field in a shelf zone,” ACOUST PHYS **49** (4): 449-454 JUL-AUG 2003.
 68. Finette S, Oba R, “Horizontal array beamforming in an azimuthally anisotropic internal wave field,” J ACOUST SOC AM **114** (1): 131-144 JUL 2003.
 69. Higham CJ, Tindle CT, “Coupled perturbed modes and internal solitary waves,” J ACOUST SOC AM **113** (5): 2515-2522 MAY 2003.
 70. Chin-Bing SA, Warn-Varnas A, King DB, Lamb KG, Teixeira M, Hawkins JA, “Analysis of coupled oceanographic and acoustic soliton simulations in the Yellow Sea: a search for soliton-induced resonances,” MATHEMATICS AND COMPUTERS IN SIMULATION **62** (1-2): 11-20 Sp. Iss. SI FEB 15 2003.
 71. Lynch JF, Newhall AE, Sperry B, Gawarkiewicz G, Fredricks A, Tyack P, Chiu CS, Abbot P, “Spatial and temporal variations in acoustic propagation characteristics at the New England shelfbreak front,” IEEE JOURNAL OF OCEANIC ENGINEERING **28** (1): 129-150 JAN 2003.
 72. Warn-Varnas AC, Chin-Bing SA, King DB, Hallock Z, Hawkins JA, “Ocean-acoustic solitary wave studies and predictions,” SURVEYS IN GEOPHYSICS **24** (1): 39-79, 2003.
 73. Etter PC, <*Underwater Acoustic Modeling and Simulations*> (3rd/4th editions, SPON/CRC Press, 2003/2013)
 74. Katsnelson BG, Petnikov VG, <*Shallow Water Acoustics*>, Springer-Praxis Publishing, Chichester, UK, 2002
 75. Chin-Bing SA, King DB, Warn-Varnas, et al., “Estimates of the prevalence of anomalous signal losses in the Yellow Sea derived from acoustic and oceanographic computer model

- simulations," J ACOUST SOC AM **111**: (5) pt.2, 2459 May 2002.
76. Rouseff D, Turgut A, Wolf SN, et al., "Coherence of acoustic modes propagating through shallow water internal waves," J ACOUST SOC AM **111** (4): 1655-1666 APR 2002
 77. Badiey M, Mu Y, Lynch J, et al., "Temporal and azimuthal dependence of sound propagation in shallow water with internal waves," IEEE J OCEANIC ENG **27** (1): 117-129 JAN 2002.
 78. Oba R, Finette S, "Acoustic propagation through anisotropic internal wave fields: Transmission loss, cross-range coherence, and horizontal refraction," J ACOUST SOC AM **111**(2):769-784 FEB 2002.
 79. Wang N, "On criterion of modal adiabaticity," SCI CHINA SER A **44** (11): 1469-1476 NOV 2001.
 80. Jeans DRG, Sherwin TJ, "The variability of strongly non-linear solitary internal waves observed during an upwelling season on the Portuguese shelf," CONT SHELF RES **21** (16-17): 1855-1878 OCT-NOV 2001.
 81. Siderius M, Nielsen PL, Sellschopp, Snellen M and Simons D, "Experimental study of geo-acoustic inversion uncertainty due to ocean sound-speed fluctuations," J ACOUST SOC AM **110** (2): 769-781 August 2001.
 82. Katsnel'son BG, Pereselkov SA, Petnikov VG, et al., "Acoustic effects caused by high-intensity internal waves in a shelf zone," ACOUST PHYS+ **47** (4): 424-429 JUL-AUG 2001.
 83. Shang EC, Wang YY, Gao TF, "On the adiabaticity of acoustic propagation through nongradual ocean structures," J COMPUT ACOUST **9** (2): 359-365 JUN 2001
 84. Knobles DP, Stotts SA, Koch RA, et al., "Integral equation coupled mode approach applied to internal wave problems," J COMPUT ACOUST **9** (1): 149-167 MAR 2001
 85. Wilson DK, Ostashev VE, "Statistical moments of the sound field propagating in a random, refractive medium near an impedance boundary," J ACOUST SOC AM **109** (5): 1909-1922 Part 1 MAY 2001.
 86. Derzhavin AM, Semenov AG, "Sound fluctuations caused by internal waves in a shallow sea," ACOUST PHYS+ **47** (2): 169-177 MAR-APR 2001.
 87. Tiemann CO, Worcester PF, Cornuelle BD, "Acoustic scattering by internal solitary waves in the Strait of Gibraltar," J ACOUST SOC AM **109**: (1) 143-154 JAN 2001.
 88. Lee D, Pierce AD, Shang EC, "Parabolic equation development in the twentieth century," J COMPUT ACOUST **8** (4): 527-637 DEC 2000.
 89. Katsnel'son BG, Pereselkov SA, "Low-frequency horizontal acoustic retraction caused by internal wave solitons in a shallow sea," ACOUST PHYS **46**: (6) 684-691 NOV-DEC 2000.
 90. Chin-Bing SA, King DB, Warn-Varnas, et al., "Anomalous signal loss in the Yellow Sea, revisited: Coupling the acoustics with model-generated oceanographic realizations," J ACOUST SOC AM **108**: (5) pt.2, 2577 NOV 2000.
 91. Shang EC, Voronovich AG, Wang YY, et al, "New schemes of ocean acoustic tomography," J COMPUT ACOUST **8**: (3) 459-471 SEP 2000.
 92. Rodriguez OC, Jesus S, Stephan Y, et al., "Nonlinear soliton interaction with acoustic signals: Focusing effects," J COMPUT ACOUST **8**: (2) 347-363 JUN 2000.
 93. Rutenko, "Experimental study of the effect of internal waves on the frequency interference structure of the sound field in shallow sea," ACOUST PHYS **46**: (2) 207-213 MAR-APR 2000.
 94. Headrick RH, Lynch JF, Kemp JN, et al., "Acoustic normal mode fluctuation statistics in

- the 1995 SWARM internal wave scattering experiment," J ACOUST SOC AM **107**: (1) 201-220 JAN 2000.
95. Headrick RH, Lynch JF, Kemp JN, et al., "Modeling mode arrivals in the 1995 SWARM experiment acoustic transmissions," J ACOUST SOC AM **107**: (1) 221-236 JAN 2000.
 96. Rodriguez OC, Jesus SM, Stephan Y, Demoulin X, Porter MB, Coelho Ef, "Dynamics of acoustic propagation through a soliton wave packet: observations from the INTIMATE'96 experiment," in <Experimental Acoustic Inversion Method for Exploration of the Shallow Water Environment>, 1-18, A. Caiti, J.P. Hermand, S.M. Jesus and M.B. Porter eds. (Kluwer Academic Publishers, 2000)
 97. Yoo K, Yang TC, "Broadband source localization in shallow water in the presence of internal waves," J ACOUST SOC AM **106**: (6) 3255-3269 DEC 1999.
 98. Rubenstein D, "Observations of cnoidal internal waves and their effect on acoustic propagation in shallow water," IEEE J OCEANIC ENG **24**: (3) 346-357 JUL 1999.
 99. Diachok O, "Effects of absorptivity due to fish on transmission loss in shallow water," J ACOUST SOC AM **105**: (4) 2107-2128 APR 1999.
 100. Qiu XF, Zhang RH, Li WH, et al., "Frequency-selective attenuation of sound propagation and reverberation in the Yellow Sea," J SOUND VIB **220**: (2) 331-342 FEB 18 1999.
 101. Duda TF, Preisig JC, "A modeling study of acoustic propagation through moving shallow-water solitary wave packets," IEEE J OCEANIC ENG **24**: (1) 16-32 JAN 1999.
 102. Katsnel'son BG, Pereselkov SA, "Resonance effects in sound scattering by internal wave packets in a shallow sea," ACOUST PHYS **44**: (6) 684-689 NOV-DEC 1998.
 103. Rajan SD, Douth JA, Carey WM, "Inversion for the compressional wave speed profile of the bottom from synthetic aperture experiments conducted in the Hudson Canyon Area," IEEE J OCEANIC ENG **23**: (3) 174-187 JUL 1998.
 104. Katsnelson, B. G., and S. A. Pereselkov. "Sound fluctuations due to soliton-like internal waves crossing shallow water acoustic trace." In *OCEANS'98 Conference Proceedings*, vol. 1, pp. 214-218. IEEE, 1998.
 105. Konyaev KV, Leikin DE, Sabinin KD, et al., "Correlation between internal solitons and amplitude variations of a sound signal on a fixed path," ACOUST PHYS **44**: (4) 407-414 JUL-AUG 1998.
 106. Apel JR, Badiy M, Chiu CS, et al., "An overview of the 1995 SWARM shallow-water internal wave acoustic scattering experiment," IEEE J OCEANIC ENG **22**: (3) 465-500 JUL 1997.
 107. Tang X, Tappert FD, "Effects of internal waves on sound pulse propagation in the Straits of Florida," IEEE J OCEANIC ENG **22**: (2) 245-255 APR 1997.
 108. Preisig JC, Duda TF, "Coupled acoustic mode propagation through continental-shelf internal solitary waves," IEEE J OCEANIC ENG **22**: (2) 256-269 APR 1997.
 109. Buck JR, Preisig JC, Johnson M, et al., "Single-mode excitation in the shallow-water acoustic channel using feedback control," IEEE J OCEANIC ENG **22**: (2) 281-291 APR 1997.
 110. Desharnais F, Ellis DD, "Data-model comparisons of reverberation at three shallow-water sites," IEEE J OCEANIC ENG **22**: (2) 309-316 APR 1997.
 111. Badiy M, Simmen J, Forsythe S, "Frequency dependence of broadband propagation in coastal regions," J ACOUST SOC AM **101**: (6) 3361-3370 JUN 1997.
 112. Tielburger D, Finette S, Wolf S, "Acoustic propagation through an internal wave field in a shallow water waveguide," J ACOUST SOC AM **101**: (2) 789-808 FEB 1997.

113. Borisov SV, Korotchenko RA, Rutenko AN, et al., " Numerical modeling of the effect of nonlinear internal waves on sound propagation in a shallow sea, "ACOUST PHYS+ **42**: (5) 618-621 SEP-OCT 1996.
114. Borisov SV, Kabanov NF, Rutenko AN, "Experimental study of sound field fluctuations on fixed paths, "ACOUST PHYS+ **42**: (3) 301-311 MAY-JUN 1996.
115. Broadhead MK , Field RL, "Mode coupling analysis for a resonance effect due to an internal soliton," J. Acoust. Soc. Am. Volume 99, Issue 4, pp. 2524-2529 (1996).
116. Lynch JF, Jin GL, Pawlowicz R, et al., "Acoustic travel-time perturbations due to shallow-water internal waves and internal tides in the Barents Sea Polar Front: Theory and experiment, " J ACOUST SOC AM **99**: (2) 803-821 FEB 1996.
117. Lee D, Pierce AD, "Parabolic equation development in recent decade," J COMPUT ACOUST **3**: (2) 95-173 JUN 1995.
118. King DB, Chin-Bing SA, McGirr, "Effects of shallow water internal waves on broadband acoustic wave propagation, ", in <Theoretical and Computational Acoustics> 2, 793-807, Lee D and Schultz eds. 1994 .
119. Chin-Bing SA, King DB, McGirr, "Computer modeling of time-domain and frequency domain acoustic signal in a shallow water ocean environment with internal waves, " *Math. Model. Scientific Comput* **4** (1994): 377-385.
120. King DB, Chin-Bing SA, "Scattering effects of internal waves in the shallow water ocean environment," Pro. of the SPIE int'l Symposium on OE/Aerospace Sensing 3, 1994.
121. Broadhead MK, Ali HA , "Dissipative shallow-water internal waves and their acoustic properties, " IEEE Proc. Oceans 95 1, 673-684, 1995.
122. Frisk GV, Report on the Office of Naval Research Shallow Water Acoustics Workshop, April 24-26, 1991 (WHOI-92-06)
123. Lynch JF, Report on the Office of Naval Research Shallow-water Acoustics Workshop, 1-3 October 1996. (WHOI-97-12)
124. Chin-bing SA, King DB, Murphy JE, "Numerical simulations of lower-frequency acoustic propagation and backscattering from solitary internal waves in a shallow water environment, " in <OCEAN REVERBERATION> edited by ELLIS DD et al., (Kluwer Academic Publishers, 1993)
125. Guan DH, "Some recent advances in underwater acoustics in China, " in <Oceanology of China Seas> 2, 509-516 1994, Zhou Di et al eds.
126. Ali HB, "Oceanographic variability in shallow-water acoustics and the dual role of the sea bottom, " IEEE J OCEANIC ENG 18: (1) 31-41 JAN 1993.
127. Weston D, "Mechanisms of ocean acoustic attenuation - scattering by internal solitons, by sea-surface waves, and by fish, "J ACOUST SOC AM 92: (6) 3435-3437 DEC 1992.

(II) ZHOU JX, ZHANG XZ, ROGERS PH, WANG DZ, LUO ES, "ABNOMALOUS SOUND PROPAGATION IN SHALLOW WATER DUE TO INTERNAL WAVE SOLITONS, " IEEE OCEANS'93 1, 87-92, (1993).

Documents in the database cite the above article: (Times Cited: 11)

128. Yang, T. C. "Acoustic mode coupling induced by nonlinear internal waves: Evaluation of the mode coupling matrices and applications." The Journal of the Acoustical Society of America **135** (2) (2014): 610-625.

129. Rutenko, A. N. "Losses during sound propagation on the shelf." *Acoustical Physics* **59**, no. 4 (2013): 416-421.
130. Mandal, A. K., Misra, S., & Dash, M., "Stochastic modeling of internal wave induced acoustic signal fluctuation and performance evaluation of shallow UWANs," In *IEEE Communications Workshops (ICC)*, pp. 1101-1105, June 2013.
131. Rutenko AN, "The influence of internal waves on losses during sound propagation on a shelf," *ACOUSTICAL PHYSICS*, **56** (5), 703-713 (2010).
132. S.A. Chin-Bing, A. Warn-Varnas, D.B. King, J. Hawkins, K. Lamb, "Effects on acoustics caused by ocean solitons, Part B: Acoustics," *Nonlinear Analysis: Theory, Methods & Applications*, 71 (12), Pages e2194–e2204 (2009).
133. Higham CJ, Tindle CT, "Coupled perturbed modes and internal solitary waves," *J ACOUST SOC AM* 113 (5): 2515-2522 MAY 2003.
134. Rouseff D, Turgut A, Wolf SN, et al., "Coherence of acoustic modes propagating through shallow water internal waves," *J ACOUST SOC AM* 111 (4): 1655-1666 APR 2002.
135. Headrick RH, Lynch JF, Kemp JN, et al., "Acoustic normal mode fluctuation statistics in the 1995 SWARM internal wave scattering experiment," *J ACOUST SOC AM* 107: (1) 201-220 JAN 2000.
136. Headrick RH, Lynch JF, Kemp JN, et al., "Modeling mode arrivals in the 1995 SWARM experiment acoustic transmissions," *J ACOUST SOC AM* 107: (1) 221-236 JAN 2000.
137. Duda TF, Preisig JC, "A modeling study of acoustic propagation through moving shallow-water solitary wave packets," *IEEE J OCEANIC ENG* 24: (1) 16-32 JAN 1999.
138. Apel JR, Badiey M, Chiu CS, et al., "An overview of the 1995 SWARM shallow-water internal wave acoustic scattering experiment," *IEEE J OCEANIC ENG* 22: (3) 465-500 JUL 1997.

(III) ZHOU JX, ZHANG XZ, ROGERS PH, "MODAL CHARACTERISTICS OF ACOUSTIC SIGNAL FLUCTUATION INDUCED BY SHALLOW WATER INTERNAL WAVES," OCEANS'96 MTS/IEEE 1, 1-8 (1996).

Documents in the database cite the above article: (Times Cited: 5)

139. Katsnelson, B., Petnikov, V., & Lynch, J., *Fundamentals of Shallow Water Acoustics*, Springer US (2012).
140. Katsnelson BG, Petnikov VG, <Shallow Water Acoustics>, Springer-Praxis Publishing, Chichester, UK, 2002.
141. Derzhavin AM, Semenov AG, " Sound fluctuations caused by internal waves in a shallow sea," *ACOUST PHYS+* 47 (2): 169-177 MAR-APR 2001
142. Katsnel'son BG, Pereselkov SA, "Low-frequency horizontal acoustic retraction caused by internal wave solitons in a shallow sea," *ACOUST PHYS* 46: (6) 684-691 NOV-DEC 2000
143. Volovov VI, Govorov AI, Gostev VS, Nosova IN, "The effect of water stratification on the spatial fine-structure stability of sound field reflected from the ocean bottom," *ACOUST PHYS* 46 (1): 56-61 JAN-FEB 2000

(IV) YANG J, ZHOU SH, ZHOU JX, LYNCH JF, "INTERNAL WAVE CHARACTERISTICS AT THE ASIAEX SITE IN THE EAST CHINA SEA," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 1054-1060 OCT 2004

Documents in the database cite the above article: (Times Cited: 8)

144. Li, Jianlong; Zhou, Hui, "Tracking of time-evolving sound speed profiles in shallow water using an ensemble Kalman-particle filter," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 3 Pages: 1377-1386, Published: MAR 2013
145. LI, Juan, GU, Xingfa et al, "Simulation investigation on the nonlinear interaction of internal waves via the variable-coefficient Korteweg-de Vries equation," Chinese TRANSACTIONS OF OCEANOLOGY AND LIMNOLOGY, 1 (2011), 1-12
146. Barron, C. N.; Helber, R. W.; Jacobs, G. A.; et al., "Acoustic impact of short-term ocean variability in the Okinawa Trough," OCEANS 2009, VOLS 1-3 Book Series: OCEANS-IEEE Pages: 2239-2245 Published: 2009
147. Park S, Chu PC, "Characteristics of thermal fine structure in the Southern Yellow Sea and the East China Sea from airborne expendable bathythermograph measurements," JOURNAL OF OCEANOGRAPHY Volume: 64 (6), pp. 859-875 (DEC 2008).
148. Li XF, Zhao ZX, Han Z, et al., "Internal solitary waves in the East China Sea," ACTA OCEANOLOGICA SINICA Volume: 27 Issue: 3, 51-59, 2008
149. Rouseff D, Tang DJ, "Internal wave effects on the ambient noise in the East China Sea: Model/data comparison," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 120 (3): 1284-1294 SEP 2006
150. Lee JH, Lozovatsky I, Jang ST, et al., "Episodes of nonlinear internal waves in the northern China Sea," GEOPHYSICAL RESEARCH LETTERS 33 (18): Art. No. L18601 SEP 16 2006
151. Dahl PH, Zhang RH, Miller JH, et al., "Overview of results from the Asian Seas International Acoustics Experiment in the East China Sea," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 920-928 OCT 2004

**B. 123 Citations
on Sea Bottom Acoustics and Geo-Acoustic Inversions**

(V) ZHOU JX, ZHANG XZ, ROGERS PH, JARZYNSKI J, "GEOACOUSTIC PARAMETERS IN A STRATIFIED SEA BOTTOM FROM SHALLOW-WATER ACOUSTIC PROPAGATION," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 82: (6) 2068-2074 DEC 1987.

Documents in the database cite the above article: (Times Cited: 45)

152. A. I. Belov and G. N. Kuznetsov, "Estimating the Acoustic Parameters of a Model of a Shallow Water Seafloor Using a Priori Geological and Geophysical Information and the Wigner Transform," Acoustical Physics, 2014, Vol. 60, No. 2, pp. 191–196.
153. H.Q. Niu, R.H. Zhang, and Z.L. Li, "A modified warping operator based on BDRM theory in homogeneous shallow water." Science China Physics, Mechanics and Astronomy **57** (3), 424-432 (2014).
154. Katsnelson, B., Petnikov, V., & Lynch, J., Fundamentals of Shallow Water Acoustics, Springer US (2012).
155. Ge FX, Zhang Y, Li ZL, et al., "Adaptive Bubble Pulse Cancellation From Underwater Explosive Charge Acoustic Signals," IEEE J. OCEANIC ENGINEERING, 36 (3), 447-453 (2011).

156. ZHANG XL, LI ZL, HUANG XD, "A hybrid scheme for geoacoustic inversion," Chinese Journal of Acoustics, **29** (2), 162-170 (2010).
157. Li ZL, Li FH, "Geoacoustic inversion for sediments in the South China Sea based on a hybrid inversion scheme," CHINESE J. OF OCEANOLOGY AND LIMNOLOGY, **28** (5), 990-995 (2010).
158. Lunkov AA, Petnikov VG, "Effect of random hydrodynamic inhomogeneities on low frequency sound propagation loss in shallow water," ACOUSTICAL PHYSICS, **56** (3), 328-335 (2010).
159. Shi, Junjie, Dajun Sun, and Cuie Zheng. "Geoacoustic inversion based on single receiver measurement." In Mechatronics and Automation, 2009. ICMA 2009. International Conference on, pp. 4890-4894. IEEE, 2009.
160. Carey WM, Pierce AD, Evans RE, et al., "On the exponent in the power law for attenuation at low frequencies in sandy sediments," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 124 Issue: 5 Pages: EL271-EL277 Published: NOV 2008.
161. Li FH, Zhang RH, "Frequency dependence of longitudinal correlation length in the Yellow Sea," CHINESE PHYSICS LETTERS Volume: 25 Issue: 7 Pages: 2539-2541, JUL 2008.
162. Holmes JD, Carey WM, Dediu SM, et al., "Nonlinear frequency dependent attenuation in sandy sediments," J ACOUST SOC AM 121 (5): EL218-EL222 MAY 2007.
163. Li ZL, Zhang RH, "Geoacoustic inversion based on dispersion characteristic of normal modes in shallow water," CHINESE PHYSICS LETTERS 24 (2): 471-474 FEB 2007.
164. Stotts SA, Knobles DP, Keller JA, et al., "Geoacoustic inversion of short range source data using a plan wave reflection coefficient approach," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 120 (6): 3607-3626 DEC 2006.
165. Knobles DP, Yudichak TW, Koch RA, et al., "Inferences on seabed acoustics in the East China Sea from distributed acoustic measurements," IEEE JOURNAL OF OCEANIC ENGINEERING 31 (1): 129-144 JAN 2006.
166. Zhang, Deming, Zhenglin Li, and Renhe Zhang. "Inversion for the bottom geoacoustic parameters based on adaptive time-frequency analysis." Chinese Acta Acustica, Vol. **30** (5), 415-419 (2005).
167. A.D. Pierce, W.M. Carey and M. Zampolli, "Low-frequency attenuation of sound in marine sediments," IEEE Oceans-Europe 2005, 1270-1275 (2005).
168. Diachok O, Wales S, "Concurrent of Geo-acoustic parameters from transmission loss measurements in the Yellow sea," J ACOUST SOC AM 117 (4) 1965-1967 APR 2005
169. Li ZL, Zhang RH, Yan J, et al., "Geoacoustic inversion by matched-field processing combined with vertical reflection and vertical correlation," IEEE J. Oceanic Eng. **29** (4), 973- 979 OCT 2004.
170. Li ZL, Zhang RH, "A broadband geoacoustic inversion scheme," CHINESE PHYSICS LETTERS **21** (6): 1100-1103 JUN 2004.
171. Potty GR, Miller JH, Lynch JF, "Inversion for sediment geoacoustic properties at the New England Bight," J ACOUST SOC AM 114 (4): 1874-1887 Part 1 OCT 2003.
172. Abbot P, Celuzza S, Dyer I, et al., "Effects of East China Sea shallow-water environment on acoustic propagation," IEEE J OCEANIC ENG 28 (2): 192-211 APR 2003.
173. Rozenfeld I, Carey WA, Cable PG, et al., "Modeling and analysis of sound transmission in the Strait of Korea," IEEE J OCEANIC ENG 26 (4): 809-820 OCT 2001.

174. Grigor'ev VA, Katsnel'son BG, Petnikov VG, " Determination of the absorbing and scattering properties of the sea floor in a shallow water environment by the spectra of wide-band signals," *ACOUST PHYS*+ 47 (3): 277-281 MAY-JUN 2001.
175. Hermand JP, "Broad-band geoacoustic inversion in shallow water from waveguide impulse response measurements on a single hydrophone: Theory and experimental results," *IEEE J OCEANIC ENG* 24: (1) 41-66 JAN 1999.
176. Evans RB, Carey WM, " Frequency dependence of sediment attenuation in two low-frequency shallow-water acoustic experimental data sets, " *IEEE J OCEANIC ENG* 23: (4) 439-447 OCT 1998.
177. Kulkarni RS, Siegmann WL, Collins MD, et al., "Nonlinear pulse propagation in shallow-water environments with attenuating and dispersive sediments, " *J ACOUST SOC AM* 104 (3) 1356-1362 Part 1 SEP 1998.
178. Belov AI, Komarov AG, "An acoustic model of the shallow sea bottom from geological-geophysical studies and acoustic propagation experiments, " *ACOUST PHYS*+ 44: (3) 260-264 MAY-JUN 1998.
179. Badiéy M, Bongiovanni KP, Siegmann WL, "Analysis and model/data comparison of broadband acoustic propagation at the Atlantic Generating Station (AGS) site, " *J ACOUST SOC AM* 101: (4) 1921-1935 APR 1997.
180. Guo, Lianghao, R. Zhang, F. Li, W. Luo, X. Tau, and T. Zhou, " Inversion for sea bottom acoustic parameters using measured modal group time delays," *Shallow-Water Acoustics*. 179-184, China Ocean Press, 1997.
181. X.D. TAO, R.H. ZHANG, et al., "The modal group-time-delay fluctuation in shallow water with a thermocline," <Shallow water Acoustics>, pp. 259-264, China Ocean Press (Beijing, 1997).
182. Hermand JP, Gerstoft P, "Inversion of broad-band multitone acoustic data from the YELLOW SHARK summer experiments, " *IEEE J OCEANIC ENG* 21: (4) 324-346 OCT 1996.
183. Null JM, Bourke RH, Wilson JH, "Perturbative inversion of geoacoustic parameters in a shallow water environment, " *IEEE J OCEANIC ENG* 21: (4) 480-504 OCT 1996.
184. Belov AI, " On the possibility of determining of acoustic parameters of bottom deposits from the water layer normal-modes characteristics, " *OKEANOLOGIYA*+ 35: (4) 629-631 JUL-AUG 1995.
185. Belov, A. I. "On feasibility of acoustic parameter determination in bottom deposits from features of normal modes in a water layer." *Oceanology of the Russian Academy of Sciences* 35.4 (1995): 579-581.
186. Guan, Ding-Hua. "Some Recent Advances in Underwater Acoustics in China." In <Oceanology of China Seas>, pp. 509-516, Springer Netherlands, 1994.
187. Porter MB, "The time-marched fast-field program (ffp) for modeling acoustic pulse-propagation, " *J ACOUST SOC AM* 87: (5) 2013-2023 MAY 1990.
188. Glattetre J, Knudsen T, Sostrand K, " Mode interference and mode filtering in shallow-water - a comparison of acoustic measurements and modeling, " *J ACOUST SOC AM* 86: (2) 680-690 AUG 1989.
189. Kibblewhite AC, "Attenuation of sound in marine-sediments - a review with emphasis on new low-frequency data, " *J ACOUST SOC AM* 86: (2) 716-738 AUG 1989.
190. Collins MD, " the time-domain solution of the wide-angle parabolic equation including the effects of sediment dispersion, " *J ACOUST SOC AM* 84: (6) 2114-2125 DEC 1988.

191. Collins MD, " Low-frequency, bottom-interacting pulse-propagation in range-dependent oceans, "IEEE J OCEANIC ENG 13: (4) 222-228 OCT 1988.
192. Preston JR, Report on the 1999 ONR Shallow-water Reverberation Focus Workshop, Penn State Applied Reserach Laboratory Technical Memorandum file No: 99-155 DEC 1999.
193. Buckingham MJ, "Ocean-acoustic propagation models," J. ACOUSTIQUE, 223-287 JUNE 1992.
194. Petukhov YV, "Frequency-time structure of pulde pressure signals in oceanic waveguides, "ACOUST PHYS+ 41: (3) 417-424, 1995.
195. Lynch JF, Rajan SD, Frisk GV, " A comparison of broadband and narrow-band modal inversions for bottom geoacoustic properties at a site near Corpus Christi, Texas, " J ACOUST SOC AM 89: (2) 648-665 FEB 1991.
196. Glattetre, John. "Some Aspects of Sound Propagation in Shallow Water: Estimation of Source-and Sound Chanel Parameters." In Underwater Acoustic Data Processing, pp. 125-140, Springer Netherlands, 1989.

(VI) ZHOU JX, ZHANG XZ, KNOBLES DP , "LOW-FREQUENCY GEOACOUSTIC MODEL FOR THE EFFECTIVE PROPERTIES OF SANDY SEABOTTOMS," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 125 (5), 2847-2866, MAY, 2009

Documents in the database cite the above article: (Times Cited: 21)

197. Grinyuk, A. V.; Kravchenko, V. N.; Lazarev, V. A.; et al., "Reconstructing parameters of sediment layers of a shallow sea bottom using broadband seismoacoustic sources," ACOUSTICAL PHYSICS 59 (3), pp. 312-318, MAY 2013
198. Williams, Kevin L., "Adding thermal and granularity effects to the effective density fluid model," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 5 Pages: EL431-EL437, MAY 2013
199. Weemstra, C., Boschi, L., Goertz, A., & Artman, "Seismic attenuation from recordings of ambient noise." Geophysics 78(1), pp. Q1-Q14, JAN-FEB 2012.
200. Holland, Charles W.; Dettmer, Jan, "In situ sediment dispersion estimates in the presence of discrete layers and gradients," OURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 1 Pages: 50-61, JAN 2013.
201. Holland, Charles W., "Evidence for a common scale O(0.1) m that controls seabed scattering and reverberation in shallow water," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 132 Issue: 4 Pages: 2232-2238, Part: Part 1 Published: OCT 2012
202. J. Yang, D.R. Jackson and D.J. Tang, "Mid-frequency geoacoustic inversion using bottom loss data from the Shallow Water 2006 Experiment," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 131 (2), pp. 1711-1721, Part 2 (FEB 2012).
203. Zhang, Renhe; Li, Zhenglin; Peng, Zhaohui; et al., "Overview of Shallow Water Acoustics in the State Key Laboratory of Acoustics." in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 16-35, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
204. Badiy, M.; Lynch, J. F., "Recent studies of acoustic wave propagation in shallow water waveguides with variable water column properties," in ADVANCES IN OCEAN

- ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495, Pp. 105-126, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
205. Williams, Kevin L.; Thorsos, Eric I.; Jackson, Darrell R.; et al., Thirty years of sand acoustics: A perspective on experiments, models and data/model comparisons ,” in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 166-192, Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
 206. Chotiros, Nicholas P.; Isakson, Marcia J., “The Evolution of Sediment Acoustic Models,” in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 193-201, Editor(s): Zhou, J; Li, Z; Simmen, J, 2012) .
 207. Chapman, N. Ross; Knobles, David P., “Perspectives on Geoacoustic Inversion,” in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume 1495 pp. 201-221, Book Editor(s): Zhou, J; Li, Z; Simmen, J, (2012).
 208. Li, Zhenglin; Zhang, Renhe; Badiy, Mohsen; et al., “Arrival Time Fluctuation of Normal Modes Caused by Solitary Internal Waves,” in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495 pp. 338-344, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
 209. Wan, L and Badiy, Mohsen, “Estimation of Seabed Sound Speed and Attenuation Using Broadband Acoustic Measurements from L-shaped Arrays,” in Book Editor(s): Zhou, J; Li, Z; Simmen, J, in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP CP 1495 Pages: 508-515, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
 210. F.B. Jensen, W.A. Kuperman, M.B. Porter and H. Schmidt, “Fundamentals of Ocean Acoustics,” in Computational Ocean Acoustics (Springer New York, 2011), pp.1-64
 211. Reinhall Per G.; Dahl Peter H., “Underwater Mach wave radiation from impact pile driving: Theory and observation,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 130 (3), 1209-1216 (SEP 2011).
 212. Knobles DP, Goff JA, Koch RA, et al. , “Effect of Inhomogeneous Sub-Bottom Layering on Broadband acoustic propagation,” IEEE J. OF OCEANIC ENGINEERING, **35** (4), 732-743 (OCT 2010).
 213. Li ZL, Li FH, “Geoacoustic inversion for sediments in the South China Sea based on a hybrid inversion scheme,” CHINESE J. OF OCEANOLOGY AND LIMNOLOGY, **28** (2), 990-995 (2010).
 214. Hefner BT and Jackson DR, “Dispersion and attenuation due to scattering from heterogeneities of the frame bulk modulus of a poroelastic medium ,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 127 Issue: 6 Pages: 3372-3384, JUN 2010.
 215. N.P. Chotiros and M.J. Isakson, “Calcarenite as a poroelastic granular medium,” OCEANS 2010 IEEE - Sydney, May 2010, pp.1-5
 216. Yang J, Rouseff D, Tang DJ, et al., “Effect of the Internal Tide on Acoustic Transmission Loss at Midfrequencies,” IEEE JOURNAL OF OCEANIC ENGINEERING, **35**(1), 3-11 JAN 2010.
 217. Jiang YM, Chapman NR, “Measurement of Low-Frequency Sound Attenuation in Marine Sediment,” IEEE JOURNAL OF OCEANIC ENGINEERING, **35** (1), 70-78 JAN 2010.

(VII) ZHOU JX “NORMAL MODE MEASUREMENTS AND REMOTE SENSING OF SEA-BOTTOM SOUND VELOCITY AND ATTENUATION IN SHALLOW WATER,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 78: (3) 1003-1009 SEP 1985.

Documents in the database cite the above article: (Times Cited: 22)

218. A. I. Belov and G. N. Kuznetsov, "Estimating the Acoustic Parameters of a Model of a Shallow Water Seafloor Using a Priori Geological and Geophysical Information and the Wigner Transform," *Acoustical Physics*, 2014, Vol. 60, No. 2, pp. 191–196.
219. Zeng J., Chapman N.R., & Bonnel J., "Inversion of seabed attenuation using time-warping of close range data," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 134 Issue: 5 Pages: EL394-EL399, NOV 2013.
220. Katsnelson, B., Petnikov, V., & Lynch, J. , *Fundamentals of Shallow Water Acoustics*, Springer US (2012).
221. Knobles DP, Wilson PS, Goff JA, et al., "Seabed acoustics of a sand ridge on the New Jersey continental shelf," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* Volume: 124 Issue: 3 Pages: EL151-EL156 Part 2, SEP 2008.
222. Rajan, S. D., George V. Frisk, Kyle M. Becker, James F. Lynch, Gopu Potty, and J. H. Miller, "Modal inverse techniques for inferring geoacoustic properties in shallow water." *Important Elements in Geoacoustic Inversion, Signal Processing, and Reverberation in Underwater Acoustics*, edited by A. Tolstoy,(Research Signpost, Kerala, India, 2008).
223. Kim, Bong-Chae. "Bottom Loss Variation of Low-Frequency Sound Wave in the Yellow Sea." *Ocean and Polar Research* 29, no. 2 (2007): 113-121.
224. Holmes JD, Carey WM, Dediu SM, et al., "Nonlinear frequency dependent attenuation in sandy sediments," *J ACOUST SOC AM* 121 (5): EL218-EL222 MAY 2007.
225. Li ZL, Zhang RH, "Geoacoustic inversion based on dispersion characteristic of normal modes in shallow water," *CHINESE PHYSICS LETTERS* 24 (2): 471-474 FEB 2007.
226. Guo YG, Li FH, Liu JJ, et al., "Time-domain geoacoustic inversion based on normal incidence reflection from layered sediment," *CHINESE PHYSICS LETTERS* 23 (9): 2483-2486 SEP 2006.
227. A.D. Pierce, W.M. Carey and M. Zampolli, "Low-frequency attenuation of sound in marine sediments," *IEEE Oceans-Europe 2005*, 1270-1275 (2005).
228. Diachok O, Wales S, "Concurrent of Geo-acoustic parameters from transmission loss measurements in the Yellow sea," *J ACOUST SOC AM* 117 (4) 1965-1967 APR 2005.
229. Li ZL, Zhang RH, Yan J, et al., "Geoacoustic inversion by matched-field processing combined with vertical reflection and vertical correlation," *IEEE J. Oceanic Eng.* 29 (4), 973-979 OCT 2004.
230. Li ZL, Zhang RH, Peng ZH, et al., "Anomalous sound propagation due to the horizontal variation of seabed acoustic properties," *Science in China, Series G-Physics Mechanics & Astronomy* 47 (5): 571-580 OCT 2004.
231. Li ZL, Zhang RH, "A broadband geoacoustic inversion scheme," *CHINESE PHYSICS LETTERS* 21 (6): 1100-1103 JUN 2004.
232. Abbot P, Celuzza S, Dyer I, et al., "Effects of East China Sea shallow-water environment on acoustic propagation," *IEEE J OCEANIC ENG* 28 (2): 192-211 APR 2003
233. Z.W. Qian, "Sound Attenuation in Marine Sediments ," *Acta Acustica united with Acustica*, 84 (4), July/August 1998 , pp. 621-627.
234. Guo, Lianghao, R. Zhang, F. Li, W. Luo, X. Tau, and T. Zhou, " Inversion for sea bottom acoustic parameters using measured modal group time delays," in *Shallow-Water Acoustic*, 179-184, China Ocean Press,1997.
235. Guan, Ding-Hua. "Some Recent Advances in Underwater Acoustics in China." In

<*Oceanology of China Seas*>, pp. 509-516, Springer Netherlands, 1994.

236. Lynch JF, Rajan SD, Frisk GV, " A comparison of broadband and narrow-band modal inversions for bottom geoacoustic properties at a site near Corpus Christi, Texas, " J ACOUST SOC AM 89: (2) 648-665 FEB 1991.
237. Kibblewhite AC, "Attenuation of sound in marine-sediments - a review with emphasis on new low-frequency data, " J ACOUST SOC AM 86: (2) 716-738 AUG 1989.
238. Mell, W. E., and J. A. Mercer. "An inverse solution for the depth and frequency dependent sediment attenuation of low-frequency (20–320 Hz) compressional waves." *Journal of Geophysical Research: Oceans* (1978–2012) 93, no. C1 (1988): 621-630.
239. Z.W. Qian, "Concentrated suspension theory of sound attenuation in marine sediments: Sound- and viscous-waves interactions," *J. Sound and Vibration*, 108 (1), 147-156, July 1986.

(VIII) ZHOU JX, ZHANG XZ, ROGERS PH, "EFFECT OF FREQUENCY-DEPENDENCE OF SEA-BOTTOM ATTENUATION ON THE OPTIMUM FREQUENCY FOR ACOUSTIC PROPAGATION IN SHALLOW-WATER," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 82: (1) 287-292, JUL 1987

Documents in the database cite the above article: (Times Cited: 17)

240. Katsnelson, B., Petnikov, V., & Lynch, J., *Fundamentals of Shallow Water Acoustics*, Springer US (2012).
241. Badiy, M.; Lynch, J. F., "Recent studies of acoustic wave propagation in shallow water waveguides with variable water column properties," in *ADVANCES IN OCEAN ACOUSTICS*, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 105-126, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
242. Peng HS, Li FH, "Geoacoustic inversion based on a vector hydrophone array," *CHINESE PHYSICS LETTERS* 24 (7): 1977-1980 JUL 2007.
243. Knobles DP, Yudichak TW, Koch RA, et al., "Inferences on seabed acoustics in the East China Sea from distributed acoustic measurements," *IEEE JOURNAL OF OCEANIC ENGINEERING* 31 (1): 129-144 JAN 2006.
244. Li ZL, Zhang RH, Yan J, et al., "Geoacoustic inversion by matched-field processing combined with vertical reflection and vertical correlation," *IEEE J. Oceanic Eng.* 29 (4), 973-979 OCT 2004.
245. Li ZL, Zhang RH, Peng ZH, et al., "Anomalous sound propagation due to the horizontal variation of seabed acoustic properties," *SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS & ASTRONOMY* 47 (5): 571-580 OCT 2004
246. Li ZL, Zhang RH, "A broadband geoacoustic inversion scheme," *CHINESE PHYSICS LETTERS* 21 (6): 1100-1103 JUN 2004
247. Chiu, Yung-Sheng, Yan-Shiun Chen, Ying-Tsong Lin, and Chi-Fang Chen. "J-15 CW transmission data analysis and comparison with simulation results." In *OCEANS'04. MTT/IEEE TECHNO-OCEAN'04*, vol. 4, pp. 2129-2135. IEEE, 2004.
248. Abbot P, Celuzza S, Dyer I, et al., "Effects of East China Sea shallow-water environment on acoustic propagation," *IEEE J OCEANIC ENG* 28 (2): 192-211 APR 2003
249. Katsnelson BG, Petnikov VG, <*Shallow Water Acoustics*>, Springer-Praxis Publishing, Chichester, UK,2002
250. PRESTON JR, Report on the 1999 ONR Shallow-water Reverberation Focus Workshop,

- Penn State Applied Reserach Laboratory Technical Memorandum File No: 99-155.
251. Kulkarni RS, Siegmann WL, Collins MD, et al., "Nonlinear pulse propagation in shallow-water environments with attenuating and dispersive sediments," J ACOUST SOC AM 104: (3) 1356-1362 Part 1 SEP 1998.
 252. Badiy M, Bongiovanni KP, Siegmann WL, "Analysis and model/data comparison of broadband acoustic propagation at the Atlantic Generating Station (AGS) site," J ACOUST SOC AM 101: (4) 1921-1935 APR 1997.
 253. Hermand, Jean-Pierre, and Raymond J. Soukup. "Broadband inversion experiment Yellow Shark'95: Modelling the transfer function of shallow-water environment with range-dependent soft clay bottom." In Proceedings of the 3rd European Conference on Underwater Acoustics, pp. 931-935. 1996.
 254. Guan, Ding-Hua. "Some Recent Advances in Underwater Acoustics in China." In *Oceanology of China Seas*, pp. 509-516. Springer Netherlands, 1994.
 255. Kibblewhite AC, "Attenuation of sound in marine-sediments - a review with emphasis on new low-frequency data," J Acoust SOC AM 86: (2) 716-738 AUG 1989.
 256. Tango GJ, "numerical-models for vlf seismic acoustic propagation prediction - a review," IEEE J OCEANIC ENG 13: (4) 198-214 OCT 1988.

(IX) PENG ZH, ZHOU JX, DAHL PH and ZHANG RH, "SEA-BED ACOUSTIC PARAMETERS FROM DISPERSION ANALYSIS AND TRANSMISSION LOSS IN THE EAST CHINA SEA," IEEE JOURNAL OF OCEANIC NGINEERING 29 (4): 1038-1045 OCT 2004

Documents in the database cite the above article: (Times Cited: 9)

257. Li JL and Zhou H, "Tracking of time-evolving sound speed profiles in shallow water using an ensemble Kalman-particle filter," J ACOUST SOC AM 133 (3), 1377-1386 (2013)
258. Katsnelson, B., Petnikov, V., & Lynch, J., < *Fundamentals of Shallow Water Acoustics*>, Springer US (2012).
259. Ge FX, Zhang Y, Li ZL, et al., "Adaptive Bubble Pulse Cancellation From Underwater Explosive Charge Acoustic Signals," IEEE J. OCEANIC ENGINEERING, 36 (3), 447-453 (2011).
260. Holmes JD, Carey WM, Dediu SM, et al., "Nonlinear frequency dependent attenuation in sandy sediments," J ACOUST SOC AM 121 (5): EL218-EL222 MAY 2007.
261. Dahl PH and Choi JW, "Precursor arrivals in the Yellow Sea, their distinction from first-order head waves, and their geoacoustic inversion," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 120 (6): 3525-3533 DEC 2006.
262. Cable PG, Yudichak TW, Dorfman Y, et al., "On shallow-water bottom reverberation frequency dependence," IEEE JOURNAL OF OCEANIC ENGINEERING 31 (1): 145-155 JAN 2006.
263. Dahl PH, Zhang RH, Miller JH, et al., "Overview of results from the Asian Seas International Acoustics Experiment in the East China Sea," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 920-928 OCT 2004.
264. Li ZL, Zhang RH, Yan J, et al., "Geoacoustic inversion by match-field procession combined with vertical reflection coefficient and vertical correlation," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 973-979 OCT 2004.
265. A.D. Pierce, W.M. Carey and M. Zampolli, "Low-frequency attenuation of sound in marine

sediments,” IEEE Oceans-Europe 2005, 1270-1275 (2005).

(X) PH ROGERS, JX ZHOU, XZ ZHANG, F LI, “ SEABOTTOM ACOUSTIC PARAMETERS FROM INVERSION OF YELLOW SEA EXPERIMENTAL DATA,” In *Experimental Acoustic Inversion Methods for Exploration of the Shallow Water Environment*, pp. 219-234, Springer Netherlands, 2000.

Documents in the database cite the above article: (Times Cited: 6)

266. Katsnelson, Boris, Valery Petnikov, and James Lynch, *Fundamentals of Shallow Water Acoustics*, Springer US, 2012.
267. Holmes, Jason D., W. M. Carey, S. M. Dediu, and W. L. Siegmann. "Nonlinear frequency-dependent attenuation in sandy sediments." *The Journal of the Acoustical Society of America* **121**, no. 5 (2007): EL218-EL222.
268. Carey, William M., James F. Lynch, William L. Siegmann, Ilya Rozenfeld, and Brian J. Sperry. "Sound transmission and spatial coherence in selected shallow-water areas: Measurements and theory." *Journal of Computational Acoustics* **14**, no. 02 (2006): 265-298.
269. DIACHOK, Orest, and Stephen WALES. "Concurrent inversion of geo-and bio-acoustic parameters from transmission loss measurements in the Yellow Sea." *The Journal of the Acoustical Society of America* **117**, no. 4 (2005): 1965-1976.
270. Dahl, Peter H., and Jee Woong Choi. "Precursor arrivals in the Yellow Sea, their distinction from first-order head waves, and their geoacoustic inversion." *The Journal of the Acoustical Society of America* **120** (6), pp. 3525-3533 (2006).
271. Rozenfeld, Ilya, William M. Carey, Peter G. Cable, and William L. Siegmann, "Modeling and analysis of sound transmission in the Strait of Korea." *Oceanic Engineering, IEEE Journal of* **26**, no. 4 (2001): 809-820.

(XI) Wan L, ZHOU JX and Rogers PH, “LOW-FREQUENCY SOUND SPEED AND ATTENUATION IN SANDY SEABOTTOM FROM LONG-RANGE BROADBAND ACOUSTIC MEASUREMENTS,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 128 (2), pp. 578-589 (AUG 2010)

Documents in the database cite the above article: (Times Cited: 3)

272. Zeng J., Chapman N.R., & Bonnel J., “Inversion of seabed attenuation using time-warping of close range data,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 134 Issue: 5, Pages: EL394-EL399, NOV 2013.
273. Dall'Osto, David R.; Dahl, Peter H.; Choi, Jee Woong, “ Properties of the acoustic intensity vector field in a shallow water waveguide,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 131 (3), pp. 2023-2035 , Part: Part 1 (MAR 2012).
274. Bonnel, J.; Gervaise, C.; Nicolas, B.; et al, “ Single-receiver geoacoustic inversion using modal reversal ,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 131 (1) Pages: 119-128 , Part: Part 1 (JAN 2012).

C. 54 Citations

on Ocean Reverberation and seabed Scattering

(XII) ZHOU JX, GUAN DH, SHANG EC, LUO ES, "LONG-RANGE REVERBERATION

AND BOTTOM SCATTERING STRENGTH IN SHALLOW WATER," CHINESE JOURNAL OF ACOUSTICS, 1: (1) 54-63, 1982.

Documents in the database cite the above article: (Times Cited: 22)

275. Ainslie MA, "Echo and reverberation in a Pekeris waveguide by convolution and by the product rule," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 133 (3): 1335-1346 MARCH 2013.
276. Zhang, Ronghan, and Qi Li. "Extraction of mode attenuation coefficient from low frequency reverberation signal," Chinese Journal of Acoustics **32** (3), 233-240 (2013).
277. Holland, Charles W., "Evidence for a common scale O(0.1) m that controls seabed scattering and reverberation in shallow water," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 132 (4), 2232-2238, (OCT 2012).
278. D.J. Tang and D. R. Jackson, "Application of small-roughness perturbation theory to reverberation in range-dependent waveguides," J. Acoust. Soc. Am., Vol. 131 (6), 4428–4441 (2012).
279. Gao, B., Yang, S., Piao, S., & Huang, Y. , "Method of coupled mode for long-range bottom reverberation," Science China Physics, Mechanics and Astronomy, **53**(12), 2216-2222 (2010).
280. Wu, J. R., E. C. Shang, and T. F. Gao. "A new energy-flux model of waveguide reverberation based on perturbation theory." Journal of Computational Acoustics **18** (3) (2010): 209-225 (2010).
281. Wu, J., Shan, E. C., Gao, T., & Ma, L., "Numerical simulation on searching the optimum source-depth distribution for reverberation inversion by simulated annealing," Journal of Computational Acoustics, **17**(2), 197-209 (2009).
282. Holland CW and Ellis DD, "Two modeling approaches for reverberation in a shallow water waveguide where the scattering arises from a sub-bottom interface," J. COMPUT. ACOUSTICS **17** (1): 29-43, 2009.
283. Shang, E.C., Gao, T.F., and Wu, J.R., "A Shallow-Water Reverberation Model Based on Perturbation Theory," IEEE J OCEANIC ENG **33** (4), 451-461 (2008).
284. Holland CW, "Fitting data, but poor predictions: Reverberation prediction uncertainty when seabed parameters are derived from reverberation measurements," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 123 (5): 2553-2562 May 2008.
285. Ainslie MA, "Observable parameters from multipath bottom reverberation in shallow water," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 121 (6): 3363-3376 (JUN 2007).
286. Harrison CH, Nielsen PL, "Separability of seabed reflection and scattering properties in reverberation inversion," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 121 (1): 108-119 (JAN 2007).
287. Wu, J., & Shang, E., "Relationship Between Integrated Bottom Scattering Strength and Modal Backscattering Matrix," Oceanic Engineering, IEEE Journal of, 32(4), 872-878 (2007).
288. Holland CW, "Constrained comparison of ocean waveguide reverberation theory and observations," J. Acoust. Soc. Am., 120 (4): 1922-1931 OCT 2006.
289. Holland CW, "Mapping seabed variability: Rapid surveying of coastal regions," J ACOUST SOC AM 119 (3): 1373-1387 MAR 2006.
290. Cable PG, Yudichak TW, Dorfman Y, Knobles DP, et al, "On shallow-water bottom

- reverberation frequency dependence,” IEEE J OCEANIC ENG 31 (1), 145-155 JAN 2006.
291. Holland CW, “On error in estimating seabed scattering strength from long-range reverberation (L),” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 118 (5): 2787-2790 NOV 2005.
 292. Holland CW, Hollett R, Troiano L, “Measurement technique for bottom scattering in shallow water,” J ACOUST SOC AM 108: (3) 997-1011 SEP 2000
 293. Desharnais F, Ellis DD, " Data-model comparisons of reverberation at three shallow-water sites, " IEEE J OCEANIC ENG 22: (2) 309-316 APR 1997.
 294. Cable PG, Frech KD, O'connor JC, Steele JM, "Reverberation-derived shallow-water bottom scattering strength, " IEEE J OCEANIC ENG 22 (3): 534-540, JULY 1997.
 295. Ellis DD, "A shallow-water normal-mode reverberation model, " J ACOUST SOC AM 97: (5) 2804-2814 MAY 1995.
 296. Ivakin AN, Lysanov YP, "Backscattering of sound from an inhomogeneous bottom at small grazing angles," SOV. PHYS. ACOUSTICS 31: (3) 236-237 MAY-JUNE 1985.

(XIII) ZHOU JX, "THE ANALYTICAL METHOD OF ANGULAR POWER SPECTRUM, RANGE AND DEPTH STRUCTURE OF ECHO-REVERBERATION RATIO IN SHALLOW WATER," (Chinese) ACTA ACUSTICA 5, 86-99, MAY 1980.

Documents in the database cite the above article: (Times Cited: 12)

297. Holland, C. W., & Dosso, S. E. , “Mid frequency shallow water fine-grained sediment attenuation measurements,” The Journal of the Acoustical Society of America, **134** (1), 131-143, 2013.
298. Harrison, C. H., “Ray convergence in a flux-like propagation formulation,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA **133** (6), 3777-3789 JUNE 2013.
299. Ainslie MA, “Echo and reverberation in a Pekeris waveguide by convolution and by the product rule,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 133 (3): 1335-1346 MARCH 2013.
300. Dosso, Stan E.; Holland, Charles W.; Sambridge, Malcolm, “Parallel tempering for strongly nonlinear geoacoustic inversion,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA **132** (5) Pages: 3030-3040, Published: NOV 2012
301. C. W. Holland and D.D. Ellis, “Clutter from non-discrete seabed structures,” J. ACOUST. SOC. AM., **131** (6), 4442-4449 (2012).
302. Ainslie, M. A., C. H. Harrison, and M. Zampolli. "An analytical solution for signal, background, and signal to background ratio for a low frequency active sonar in a Pekeris waveguide satisfying Lambert's rule." In *4th International Conference and Exhibition on Underwater Acoustic Measurements: Technologies & Results*, pp. 491-498. 2011.
303. M.A. Ainslie, "Propagation of underwater sound." In *Principles of Sonar Performance Modelling*, pp. 439-512. Springer Berlin Heidelberg, 2010.
304. B Gao, SE Yang, SC Piao, YW Huang, “Method of coupled mode for long-range bottom reverberation,” Science China Physics, Mechanics and Astronomy, Volume 53, Issue 12, pp.2216-2222, Dec. 2010.
305. Holland CW and Ellis DD, “Two modeling approaches for reverberation in a shallow water waveguide where the scattering arises from a sub-bottom interface,” J. COMPUT. ACOUSTICS 17(1): 29-43, 2009.
306. Holland CW, “Fitting data, but poor predictions: Reverberation prediction uncertainty when

seabed parameters are derived from reverberation measurements,” JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA **123** (5): 2553-2562 May 2008.

307. Ellis DD, "A shallow-water normal-mode reverberation model, " J ACOUST SOC AM **97**: (5) 2804-2814 MAY 1995.
308. Guan DH, "Some recent advances in underwater acoustics in China," in <Oceanology of China Seas> 2, 509-516 (1994), Zhou Di et al., editors.

(XIV) ZHOU JX, ZHANG XZ, ROGERS PH, SIMMEN JA, Dahl PH, Jin GL and Peng ZH, "REVERBERATION VERTICAL COHERENCE AND SEA-BOTTOM GEOACOUSTIC INVERSION IN SHALLOW WATER," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 988-999 OCT 2004

Documents in the database cite the above article: (Times Cited: 7)

309. Katsnelson, B., Petnikov, V., & Lynch, J., *Fundamentals of Shallow Water Acoustics*, Springer US, 2012.
310. Li ZL, Li FH, "Geoacoustic inversion for sediments in the South China Sea based on a hybrid inversion scheme," CHINESE J. OF OCEANOLOGY AND LIMNOLOGY, 28 (2), 990-995 (2010).
311. Li ZL, Zhang RH, and Li FH, "Coherent reverberation model based on adiabatic normal mode theory in a range dependent shallow water environment," SHALLOW-WATER ACOUSTICS, Book Series: AIP Conference Proceedings, Volume: 1272 , Pages: 300-307, 2010, Book Editor(s): Simmen, J; Livingston, ES; Zhou, JX; et al.
312. GAO W, WANG N, and WANG HZ, "Statistical geoacoustic inversion from vertical correlation of shallow water reverberation," ACTA ACUSTICA, 2008, 33(2), 109-115
313. Holmes JD, Carey WM, Dediu SM, et al., "Nonlinear frequency dependent attenuation in sandy sediments," J ACOUST SOC AM 121 (5): EL218-EL222 MAY 2007.
314. Dahl PH, Zhang RH, Miller JH, et al., "Overview of results from the Asian Seas International Acoustics Experiment in the East China Sea," IEEE JOURNAL OF OCEANIC ENGINEERING 29 (4): 920-928 OCT 2004.
315. A.D. Pierce, W.M. Carey and M. Zampolli, "Low-frequency attenuation of sound in marine sediments," IEEE Oceans-Europe 2005, 1270-1275 (2005).

(XV) ZHOU JX, ZHANG XZ, PENG ZH and MARTIN JS, "SEA SURFACE EFFECT ON SHALLOW-WATER REVERBERATION," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 121 (1), 98-107, JAN 2007

Documents in the database cite the above article: (Times Cited: 5)

316. B. Gao, Y.S. Yang, and S.C. Piao, "Coupled Theory for Long Range Bottom Reverberation from Seabed Volume In-homogeneities," .” in ADVANCES IN OCEAN ACOUSTICS, Book Series: AIP Conference Proceedings Volume: 1495 Pages: 522-527, Book Editor(s): Zhou, J; Li, Z; Simmen, J, Published: 2012.
317. Bouchage Geraldine; Zakharia Manell E., "Assessment of the Sea Surface Roughness Effects on Geoacoustic Inversion Procedures," ACTA ACUSTICA UNITED WITH ACUSTICA, **98** (1), 103-110 (2012).
318. Sabra KG, " Coherent backscattering effect from mid-frequency shallow water reverberation," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume:

127 Issue: 5 Pages: EL192-EL196, MAY 2010

319. W. Gao, "Effect of geoacoustic parameters uncertainties on acoustic transmission loss prediction," WSEAS Transactions on Signal Processing, 5 (2), February 2009, PP. 85-94.
320. Ainslie MA, "Observable parameters from multipath bottom reverberation in shallow water," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 121 (6): 3363-3376 JUN 2007.

(XVI) J.X. ZHOU, X. Z. ZHANG, and E. S. LUO. "SHALLOW-WATE REVERBERATION AND SMALL ANGLE BOTTOM SCATTERING." In <*Shallow-Water Acoustics*>, PP. 315-322 (China Ocean Press, Beijing China 1997), EDITED BY R.H. ZHANG AND J.X. ZHOU.

Documents in the database cite the above article: (Times Cited: 6)

321. Ainslie, Michael A. <*Principles of Sonar Performance Modeling*>, pp. 439-512. Springer Berlin Heidelberg, 2010.
322. Dosso, Stan E., Peter L. Nielsen, and Christopher H. Harrison. "Bayesian inversion of reverberation and propagation data for geoacoustic and scattering parameters." J. Acoust. Soc. Am. Volume 125, Issue 5, pp. 2867-2880 (2009).
323. Nielsen, Peter L., and Chris Harrison. "Combined geoacoustic inversion of propagation and reverberation data." Oceanic Engineering, IEEE Journal of 34, no. 1 (2009): 51-62.
324. Holland, Charles W. "Constrained comparison of ocean waveguide reverberation theory and observations." J. Acoust. Soc. Am. Volume 120, Issue 4, pp. 1922-1931 (2006).
325. L. Peng, N. Wang and E.C. Shang, "Numerical simulation of extracting modal back-scattering matrix from reverberation in shallow-water waveguide," J. Computational Acoustics, 13 (2), 279-285 (2005).
326. Li, Fenghua, Jianjun Liu, and Renhe Zhang. "A model/data comparison for shallow-water reverberation." Oceanic Engineering, IEEE Journal of 29, no. 4 (2004): 1060-1066.

(XVII) ZHOU JX and ZHANG XZ, "LOW FREQUENCY SEABED SCATTERING AT LOW GRAZING ANGLES," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, **131** (5), 2611-2621 (2012)

Documents in the database cite the above article: (Times Cited: 2)

327. Holland, Charles W.; Dosso, Stan E., "Mid frequency shallow water fine-grained sediment attenuation measurements," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 134 (1), Part: 1, Pages: 131-143, JUL 2013
328. Ainslie, Michael A, "Echo and reverberation in a Pekeris waveguide by convolution and by the product rule," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 133 Issue: 3 Pages: 1335-1346, MAR 2013

D. 32 Citations on Other Research Topics

(XVIII) LO EC, ZHOU JX, SHANG EC, "NORMAL MODE FILTERING IN SHALLOW WATER, " JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, **74:** (6) 1833-1836 DEC 1983.

Documents in the database cite the above article: (Times Cited: 24)

329. V. M. Kuz'kin, M. V. Kuptsov and S. A. Pereselkov, "Filtration of Groups of Single-Type Modes in Shallow Seas," *Acoustical Physics*, Vol. 59, No. 6, pp. 686–693 (2013).
330. Zhang, R., & Li, Q., "Extraction of mode attenuation coefficient from low frequency reverberation signal," *Chinese Journal of Acoustics*, 32(3), 233-240, 2013.
331. V. Grinyuk, V. G. Burdukovskaya, V. A. Zverev, V. N. Kravchenko, et al., "Experimental study of mode selection in shallow-water sea," *Acoustical Physics*, 58 (3), 288-300 (2012).
332. I. P. Smirnov, V. G. Burdukovskaya, A. G. Koshkin and A. I. Khil'ko, "Excitation of low-frequency acoustical signals by a vertical array of interacting emitters in oceanic waveguides," *Acoustical Physics*, 57 (1), 83-93 (2011).
333. Wu JR, Shang EC, Gao TF, "A new energy-flux model of waveguide reverberation based on perturbation theory," *J. Computational Acoustics*, 18 (3), 209-225 (2010).
334. Shang, E. C., Tianfu Gao, and Jinrong Wu. "A shallow-water reverberation model based on perturbation theory." *Oceanic Engineering, IEEE Journal of* 33, no. 4 (2008): 451-461.
335. Piperakis GS, Skarsoulis EK, Makrakis GN, "Rytov approximation of tomographic reception in weakly range-dependent ocean environments," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* 120 (1): 120-134 JUL 2006.
336. Taroudakis MI, Tzagkarakis G, Tsakalides P, "Classification of shallow-water acoustic signals via alpha-Stable modeling of one-dimensional wavelet coefficients," *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA* 119 (3): 1396-1405 MAR 2006.
337. Skarsoulis EK, "Waveform perturbation of tomographic receptions due to sound-speed Variations," *ACTA ACUST UNITED AC* 89 (5): 789-798 SEP-OCT 2003.
338. Ohta K, Frisk GV, "Modal evolution and inversion for seabed geoacoustic properties in weakly range-dependent shallow-water waveguides," *IEEE J OCEANIC ENG* 22: (3) 501-521 JULY 1997.
339. Taroudakis MI, Markaki MG, "On the use of matched-field processing and hybrid algorithms for vertical slice tomography," *J ACOUST SOC AM* 102 (2): 885-895 Part 1 AUG 1997
340. Shang EC, Wang YY, Sun SB, "Inversion in shallow-water using WKB modal condition," *IEEE J OCEANIC ENG* 21 (4): 432-439 OCT 1996.
341. Athanassoulis GA, Skarsoulis EK, "Arrival-time perturbations of broad-band tomography signal due to sound-speed disturbances – a wav theory approach," *J. Acoust Soc AM* 97 (6): 3575-3588 JUN 1995.
342. Guan, Ding-Hua. "Some Recent Advances in Underwater Acoustics in China." In *Oceanology of China Seas*, pp. 509-516. Springer Netherlands, 1994.
343. Chen HY, Lu IT, "Localization of a broad-band source using a matched-mode procedure in the time-frequency domain," *IEEE J OCEANIC ENG* 19 (2): 166-174 APR 1994.
344. TAROUDAKIS, MICHAEL I., and JOHN S. PAPADAKIS. "A modal inversion scheme for ocean acoustic tomography." *Journal of Computational Acoustics* 1, no. 04 (1993): 395-421.
345. Chepurin, Yu A., V. V. Goncharov, and A. G. Voronovich. "Modal analysis of sound field in deep sea." In *Acoustical Imaging*, pp. 897-901. Springer US, 1992.
346. RESHETOV LA, "Orthogonalization of the observable normal-modes of a 2-layer waveguide," *SOV PHYS ACOUST* 38 (3), 314-316 MAY-JUN 1992.

347. RESHETOV LA, "Calculation of the effective height of a wave-guide for a 2-layer model of a shallow sea," SOV PHYS ACOUST+ 37 (3): 307-308 MAY-JUN 1991.
348. Chouhan MH, Anand GV, "A new technique of acoustic mode filtering in shallow sea, " J ACOUST SOC AM 89: (2) 735-744 FEB 1991.
349. Shang EC, Wang HP, Huang ZY, "Wave-guide characterization and source localization in shallow-water wave guide using the prony method," J ACOUST SOC AM 83 (1): 103-108 JAN 1988.
350. Wilson GR, Koch RA, Vidmar PJ, "Matched mode localization, " J ACOUST SOC AM 84: (1) 310-320 JULY 1988.
351. Zaitsev VY, Nechaev AG, Ostrovskii LA, "Aspects of acoustic tomography of the ocean," SOV PHYS ACOUSTI, 34(1), 113-113 JAN-FEB 1988
352. Vinogradov MS, Gavrilov AN, "Cross-correlation of normal-modes in a shallowsea," SOV PHYS ACOUST 33 (3): 241-243 MAY-JUN 1987.

(XIX) BERTHELOT YH, ZHOU JX, "SCALE-MODEL EXPERIMENTS ON THE VALIDITY OF THE MATCHED ASYMPTOTIC EXPANSIONS THEORY FOR SOUND DIFFRACTION BY CURVED SURFACES OF FINITE IMPEDANCE," JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 93: (2) 605-608 FEB 1993.

Documents in the database cite the above article: (Times Cited: 4)

353. Wang Q, Li KM, "Sound propagation over concave surfaces, " J ACOUST SOC AM **106**: (5) , 2358-2366 NOV 1999.
354. Li KM, Wang Q, Attenborough K, "Sound propagation over convex impedance surfaces," J ACOUST SOC AM **104**: (5) 2683-2691 NOV 1998.
355. Chambers JP, Berthelot YH, "An experimental investigation of the propagation of sound over a curved, rough, rigid surface, "J ACOUST SOC AM **102**: (2) 707-714 Part 1 AUG 1997.
356. J. P. Chambers¹, R. Raspet, Y.H. Berthelot, and M. J. White, "Use of the fast field program for predicting diffraction of sound by curved surfaces," J. Acoust. Soc. Am. **102** (1), pp. 646-649 (1997).

(XX) ZHOU, J.X., "VERTICAL COHERENCE OF THE SOUND FIELD AND BOUNDARY LOSSES IN SHALLOW WATER,"CHINESE PHYSICS 1 (2), 494-504 (1981).

Documents in the database cite the above article: (Times Cited: 2)

357. B. Gao, S.E. Yang, S.C. Piao, and Y.W Huang. "Method of coupled mode for long-range bottom reverberation." Science China Physics, Mechanics and Astronomy 53 (12), pp. 2216-2222 (2010).
358. Guan, Ding-Hua. "Some Recent Advances in Underwater Acoustics in China." In *Oceanology of China Seas*, pp. 509-516. Springer Netherlands, 1994

(XXI) L. Wan, J.X. Zhou, P. H. Rogers, And D. P. Knobles, "Spatial Coherence Measurements From Two L-Shape Arrays In Shallow Water," Acoust. Phys. 55 (3), Pp. 383-392 (2009)

Documents in the database cite the above article: (Times Cited: 2)

359. Z.H. Peng, L.J. Wang and Z.L. Li, “The effects of sloping bottom on the vertical correlation,” AIP Conf. Proc. 1272, pp. 61-68 (2010).
360. A. A. Lunkov and V. G. Petnikov, “The Coherence of Low Frequency Sound in Shallow Water in the Presence of Internal Waves,” Acoustical Physics, **60** (1), pp. 61–71 (2014)

周纪浔 (Ji-Xun Zhou) 的部分学术论文被引用 360 次。

(For more citations, please go to “Google 学术搜索” at scholar.google.com)