

# LIST OF PUBLICATIONS

José M. Carcione

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## 1 Peer-reviewed publications

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1. Abecasis, S. M., and Carcione, J. M., 1979, Application of the classical semimicroscopic model to doubly even titanium isotopes, *Phys. Rev. C*, **19**, 1535-1543.
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3. Carcione, J. M., 1984, Diagnosis energética en el sector industrial, *Energía 2001*, July issue, 48-52.
4. Carcione, J. M., and Elía, R. D., 1985, Application of Fibonacci technique to seismic section modeling, YPF Report.
5. Carcione, J. M., 1987, Wave propagation simulation in real media, Ph.D. Thesis, *University of Tel-Aviv*.
6. Carcione, J. M., Kosloff, D., and Kosloff, R., 1988, Wave propagation simulation in a linear viscoacoustic medium, *Geophys. J. Roy. Astr. Soc.*, **93**, 393-407. Erratum: 1988, **95**, 642.
7. Carcione, J. M., Kosloff, D., and Kosloff, R., 1988, Wave propagation simulation in a linear viscoelastic medium, *Geophys. J. Roy. Astr. Soc.*, **95**, 597-611.
8. Carcione, J. M., Kosloff, D., and Kosloff, R., 1988, Viscoacoustic wave propagation simulation in the earth, *Geophysics*, **53**, 769-777.
9. Carcione, J. M., Kosloff, D., and Kosloff, R., 1988, Wave propagation simulation in an anisotropic (transversely isotropic) medium, *Q. Jl. Mech. Appl. Math.*, **41**, 320-345.
10. Behle, A., Carcione, J. M., Freter, H., Koren, Z., Kosloff, D., Kümmer, B., and Tessmer, E., 1988, Numerical 3-D seismic modelling, *Hydrocarbons, source of energy*, Commission of the European Communities, Graham and Trotman Publishers, 46-56.
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13. Tal-Ezer, H., Carcione, J. M., and Kosloff, D., 1990, An accurate and efficient scheme for wave propagation in linear viscoelastic media, *Geophysics*, **55**, 1366-1379.

14. Seriani, G., Carcione, J. M., and Kosloff, D., 1990, A vector and parallel code for the elastodynamic equation in 3-D anisotropic media, in *Supercomputing Tools for Science and Engineering*, Laforenza, D, and Perego, R. eds., Franco Angeli Ed., 109-118.
15. Carcione, J. M., 1991, Domain decomposition for wave propagation problems, *J. Sci. Comput.*, **6** (4), 453-472.
16. Carcione, J. M., Kosloff, D. and Behle, A., 1991, Long wave anisotropy in stratified media: a numerical test, *Geophysics*, **56**, 245-254.
17. Carcione, J. M., and Behle, A., 1991, Equations and numerical methods for linear wave propagation in anelastic media, IMACS 91: Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics: July 22-26, 1991, Trinity College, Dublin, Ireland, Volume 2, 906-911.
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21. Carcione, J. M., and Carrion, P., 1992, 3-D radiation pattern of the drilling bit source in finely stratified media, *Geophys. Res. Letters*, **19** (17), 717-720.
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37. Carcione, J. M., and Cavallini, F., 1994, A semi-analytical solution for the propagation of pure shear waves in dissipative monoclinic media, *Acoustics Letters*, **17**, 72-76.
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