

Bibliografía proyecto fronteras 2023:

- 1) Tomoki Ozawa, Hannah M. Price, Alberto Amo, Nathan Goldman, Mohammad Hafezi, Ling Lu, Mikael C. Rechtsman, David Schuster, Jonathan Simon, Oded Zilberberg, and Iacopo Carusotto, Rev. Mod. Phys. 91, 015006(2019).
- 2) Topological insulator laser: Theory, Gal Harari et al, Science, 2018, Vol 359, Issue 6381 DOI: 10.1126/science.aar4003
- 3) Ward, J. and Benson, O. (2011), WGM microresonators: sensing, lasing and fundamental optics with microspheres. Laser & Photon. Rev., 5: 553-570. <https://doi.org/10.1002/lpor.201000025>
- 4) Yi, S., Zhou, M., Yu, Z. et al. Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals. Nature Nanotech 13, 1143–1147 (2018). <https://doi.org/10.1038/s41565-018-0278-9>
- 5) Theory of coupled resonator optical waveguides exhibiting high-order exceptional points of degeneracy Mohamed Y. Nada, Mohamed A. K. Othman, and Filippo Capolino, Phys. Rev. B 96, 184304 (2017)
- 6) Waves in Metamaterials Illustrated Edition Laszlo Solymar and Ekaterina Shamonina, Oxford University Press (2009)
- 7) Active Tuning of Hybridized Modes in a Heterogeneous Photonic Molecule, Kevin C. Smith, Yueyang Chen, Arka Majumdar, and David J. Masiello, Phys. Rev. Applied 13, 044041 (2020)
- 8) Progress In Electromagnetics Research, PIER 41, 185–209, 2003, MICROWAVE APPLICATIONS OF PHOTONIC CRYSTALS, E. Ozbay, B. Temelkuran, and M. Bayindir
- 9) Principles and properties of phononic crystal waveguides, V. Laude, APL Materials 9, 080701 (2021); <https://doi.org/10.1063/5.0059035>
- 10) Zhang, X., Xiao, M., Cheng, Y. et al. Topological sound. Commun Phys 1, 97 (2018). <https://doi.org/10.1038/s42005-018-0094-4>
- 11) M. R. Setare, P. Majari, C. Noh & Sh. Dehdashti (2019) Photonic realization of the deformed Dirac equation via the segmented graphene nanoribbons under inhomogeneous strain, Journal of Modern Optics, 66:16, 1663-1667, DOI: 10.1080/09500340.2019.1656783
- 12) Electronic and optical properties of strained graphene and other strained 2D materials: a review, Gerardo G Naumis, Salvador Barraza-Lopez, Maurice Oliva-Leyva and Humberto Terrones, Reports on Progress in Physics, Volume 80, Number 9 (2017)
- 13) Disorder-Enhanced and Disorder-Independent Transport with Long-Range Hopping: Application to Molecular Chains in Optical Cavities, Nahum C. Chávez, Francesco Mattiotti, J. A. Méndez-Bermúdez, Fausto Borgonovi, and G. Luca Celardo, Phys. Rev. Lett. 126, 153201(2021).
- 14) Acoustic resonance spectroscopy for the advanced undergraduate laboratory, J A Franco-Villafaña et al 2012, Eur. J. Phys. 33 1761

- 15) A. Arreola-Lucas, J.A. Franco-Villafaña, G. Báez, R.A. Méndez-Sánchez, In-plane vibrations of a rectangular plate: Plane wave expansion modelling and experiment, Journal of Sound and Vibration, Volume 342, 2015, Pages 168-176, <https://doi.org/10.1016/j.jsv.2014.12.043>.
- 16) Photonic realization of the κ -deformed Dirac equation, P. Majari, E. Sadurní, M. R. Setare, J. A. Franco-Villafaña, and T. H. Seligman, Phys. Rev. A 104, 013522 (2021)
- 17) M.R. Setare, P. Majari, Nonlinearity of the zigzag graphene nanoribbons with antidots via the f-deformed Dirac oscillator in (2+1)-dimensions, Physics Letters A, Volume 382, Issue 6, 2018, Pages 428-431, <https://doi.org/10.1016/j.physleta.2017.12.015>.
- 18) Solid-state hydrogen rich boron–nitrogen compounds for energy storage, Rahul Kumar, Abhi Karkamkar, Mark Bowden and Tom Autrey, Chem. Soc. Rev., 2019, 48, 5350-5380
- 19) Bio-inspired natural sunlight-pumped lasers, Francesco Mattiotti et al 2021 New J. Phys. 23 103015
- 20) Latent Symmetry Induced Degeneracies, M. Röntgen, M. Pyzh, C. V. Morfonios, N. E. Palaiodimopoulos, F. K. Diakonos, and P. Schmelcher, Phys. Rev. Lett. 126, 180601 (2021).
- 21) Su, W. P.; Schrieffer, J. R.; Heeger, A. J. (1979-06-18). "Solitons in Polyacetylene". Physical Review Letters. 42 (25): 1698–1701.
- 22) Leykam, D. and Yuan, L. "Topological phases in ring resonators: recent progress and future prospects" Nanophotonics, 9, 4473 (2020). <https://doi.org/10.1515/nanoph-2020-0415>
- 23) Photonic realization of the κ -deformed Dirac equation, P. Majari, E. Sadurní, M. R. Setare, J. A. Franco-Villafaña, and T. H. Seligman, Phys. Rev. A 104, 013522 (2021)