

## LIST OF PUBLICATIONS

JUAN DIEGO JARAMILLO SALAZAR

- (1) [arXiv:1802.04839](#) (submitted to Physica Scripta)  
Title: Generation and stabilization of Bell states via repeated projective measurements on a driven ancilla qubit  
Authors: Luca MAGAZZÙ, Juan D. JARAMILLO, Peter TALKNER, and Peter HÄNGGI
  
- (2) *Entropy*, **19**(8), 419 (Jul 2017)  
Title: Deformed Jarzynski Equality  
Authors: Jiawen DENG, Juan D. JARAMILLO, Peter HÄNGGI, and Jiangbin GONG
  
- (3) *Phys. Rev. E* **96**, 042119 (Oct 2017)  
Title: Quantum work fluctuations in connection with the Jarzynski equality  
Authors: Juan D. JARAMILLO, Jiawen DENG and Jiangbin GONG
  
- (4) *New J. Phys.* **18**, 075019 (Jul 2016)  
Title: Quantum supremacy of Many-Particle Thermal Machines  
Authors: Juan D. JARAMILLO, Mathieu BEAU, and Adolfo DEL CAMPO
  
- (5) *Entropy*, **18**(5), 168 (Mar 2016)  
Title: Scaling-Up Quantum Heat Engines Efficiently via Shortcuts to Adiabaticity  
Authors: Mathieu BEAU, Juan D. JARAMILLO, and Adolfo DEL CAMPO

- (6) *Phys. Rev. A* **88**, 043616 (Oct 2013)  
Title: Band-to-Mott Insulator Transformations in 4-component Alkali-metal Fermions at Half-filling  
Authors: Juan D. JARAMILLO, Sebastian GRESCHNER, and Temo VEKUA
  
- (7) *Phys. Rev. B* **88**, 165101 (Oct 2013)  
Title: Spin-orbit Coupled Fermions in Ladderlike Optical Lattices at Half-filling  
Authors: Gao-Yong SUN, Juan D. JARAMILLO, Luis SANTOS, and Temo VEKUA
  
- (8) *Braz. J. Phys.* **38**, Numb. 4 (Dec 2008)  
Title: Temporal Resources for Global Quantum Computing Architectures  
Authors: Juan D. JARAMILLO, and John H. REINA