

LIST OF PUBLICATIONS

JUAN DIEGO JARAMILLO SALAZAR

- (1) *Entropy*, **19**(8), 419 (Jul 2017)
Title: Deformed Jarzynski Equality
Authors: Jiawen DENG, Juan D. JARAMILLO, Peter HÄNGGI and Jiangbin GONG

- (2) *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

- (3) *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

- (4) *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

- (5) *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

- (6) *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

- (7) *Braz. J. Phys.* **38**, Numb. 4 (Dec 2008)
Title: Temporal Resources for Global Quantum Computing Architectures
Authors: Juan D. JARAMILLO and John H. REINA