

TOP PAPERS

1. **'Observation of shell effects in superconducting nanoparticles of Sn'**
S. Bose, A. M. García-García, M. M. Ugeda, J. D. Urbina, C. H. Michaelis, I. Brihuega and K. Kern, Nature Materials 9, 550 (2010).
2. **' Defect formation beyond Kibble-Zurek mechanism and holography'**
P. Chesler, H. Liu, A. M. García-García, Phys. Rev. X 5, 021015 (2015)
3. **'Universal clusters as building blocks of stable quantum matter'**
S. Endo, P. Naidon, A. M. García-García, Phys. Rev. A 93, 053611 (2016).
4. **'BCS theory for finite size superconductors'**
A. M. García-García, J. D. Urbina, E. Yuzbashyan, K. Richter and B. Altshuler, Phys. Rev. Lett., 100, 187001 (2008).
5. **'A semiclassical theory of the Anderson transition'**
A. M. García-García, Phys. Rev. Lett., 100, 076404 (2008).
6. **'Dissipation in a simple model of a topological Josephson junction'**
P. Matthews, P. Ribeiro, A. M. García-García, Phys. Rev. Lett. 112 247001 (2014).
7. **'A general class of holographic superconductors'**
S. Franco, A.M. García-García, D. Rodriguez, JHEP 4 (2010) 092, arXiv:0906.1214.
8. **'Experimental observation of thermal fluctuations in single superconducting Pb nanoparticles through tunneling measurements'**
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9. **'Spectral and thermodynamic properties of the Sachdev-Ye-Kitaev model'**
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10. **'Strong enhancement of bulk superconductivity by engineering granular materials'**
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11. **'A holographic approach to phase transitions'**
S. Franco, A.M. García-García, D. Rodriguez, Phys.Rev.D81:041901,2010
12. **'Chiral phase transition in QCD as a metal insulator transition'**
A. M. García-García, J. Osborn, Phys. Rev. D 75, 034503 (2007).
13. **'The Anderson transition in quantum chaos'**
A. M. García-García, J. Wang, Phys. Rev. Lett. 94, 244102(2005).

14. **'Finite size corrections to the blackbody radiation laws'**
A. M. García-García, Phys. Rev. A, 78, 023806 (2008).
15. **'Quantum Quenches in Disordered Systems: approach to thermal equilibrium without a typical relaxation time'**
E. Khatami, A. Relaño, M. Rigol, A. M. García-García, Phys. Rev. E 85, 050102 (2012) (Rapid).