I have written 69 papers. I am currently working on three papers which hopefully will be completed soon. In brackets the number of citations are mentioned. Publication #56 has the highest number of citations 67, sources of citations are Google scholar. I have been the lead and/or corresponding author in most of the publications. Applied Physics Letters, Carbon, Physical Review Applied, Nanotechnology, Euro Physics Letters, Scientific Reports and Phys. Rev. B (Rapid Communication) are some of the most highly rated journals in my field and I have a publication in each of them. Total number of citations received by my papers is 726 (source: Google scholar) with an h-index= 16 (hirsch index: 16 papers with ≥ 16 citations) and citations/author ~ 340.

**Book**

1. Electron transport and quantum interference at the mesoscopic scale Colin Benjamin LAP LAMBERT Academic Publishing (8 July 2016)

**Papers in arXiv undergoing peer review**


**Published Papers**


29. Tuning the 0 – π Josephson junction with a high spin molecule: Role of tunnel contacts, exchange coupling, electron-electron interactions and high spin states, Subhajit Pal, Colin Benjamin, Scientific Reports 8: 5208 (2018)


31. Implementing Parrondo’s paradox with two coin quantum walks, Jishnu Rajendran, Colin Benjamin, Royal Society open science 5, 171599 (2018). This article on seeing a genuine Parrondo’s paradox with quantum walks, alongwith the article on "Playing a true Parrondo’s game with a three state coin on a quantum walk“ by Jishnu and me and published in EPL (Euro Phys. Lett.) 122, 40004 (2018) has been featured in Live Science, a website devoted to the science geek, see Weird Paradox Says 2 Losses Equals a Win. And It Could Lead to Fast Quantum Computers by Marcus Woo at https://www.livescience.com/63142-parrondo-paradox-quantum-computing.html


35. Topologically induced fractional Hall steps in the integer quantum Hall regime of MoS2, SK Firoz Islam, Colin Benjamin, Nanotechnology 27, 385203 (2016), Impact Factor-3.6. (This work was featured in the Nanotechweb.org website, Can fractional steps appear in the integer quantum Hall regime?, Nanotechweb.org, LAB TALK Sep. 26, 2016, see http://nanotechweb.org/cws/article/lab/66357)


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64. Wave attenuation to clock sojourn times, C. Benjamin and A. M. Jayannavar, Solid State Commun. 121, 591 (2002), Citations-14


**Conference papers**

Unpublished Paper


Work in Progress

70. Noise cross-correlations as a probe of Majorana bound states, Colin Benjamin.

71. Positive noise cross-correlations in NSN hybrid junctions: The weak localization regime, Colin Benjamin.

72. Full counting statistics of the current magnification effect, Colin Benjamin.

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