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Published Works

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Lattes ID: [6268359670197959](https://lattes.cnpq.br/6268359670197959)

1. Control of tunneling in atomtronic switching device

Karin Wittmann Wilsmann, Leandro H. Ymai, Arlei P. Tonel, Jon Links, and Angela Foerster. *Comm. Phys.*, **1**, 91 (2018), doi:[10.1038/s42005-018-0089-1](https://doi.org/10.1038/s42005-018-0089-1).

This work was recognized by the Nature Community, which invited us to contribute with a succession of chronicles to the Nature Portfolio blog and Nature twitter.

- [Breaking eggs to make an omelette - how we cooked up an atomtronic switch](#), 2018.
- [A balancing act](#), 2019. It was released in honor of International Women's Day.
- [Lunch will be served from NOON](#), 2020.

2. Entangled states of dipolar bosons generated in a triple-well potential

Arlei P. Tonel, Leandro H. Ymai, Karin Wittmann W., Angela Foerster, and Jon Links. *SciPost Phys. Core 2*, **2**, 3 (2020), doi:[10.21468/SciPostPhysCore.2.1.003](https://doi.org/10.21468/SciPostPhysCore.2.1.003)

3. Integrable atomtronic interferometry

Daniel S. Grun, Leandro H. Ymai, Karin Wittmann W., Arlei P. Tonel, Angela Foerster, and Jon Links. *Phys. Rev. Lett.*, **129**, 020401 (2022), doi:[10.1103/PhysRevLett.129.020401](https://doi.org/10.1103/PhysRevLett.129.020401)

4. Protocol designs for NOON states

Daniel S. Grun, Karin Wittmann W., Leandro H. Ymai, Jon Links, and Angela Foerster. *Comm. Phys.*, **5**, 36 (2022), doi:[10.1038/s42005-022-00812-7](https://doi.org/10.1038/s42005-022-00812-7)

The first three authors contributed equally. The names are in alphabetical order!

5. Interacting bosons in a triple well: Preface of many-body quantum chaos.

Karin Wittmann W., Erick R. Castro, Angela Foerster, and Lea F. Santos. *Phys. Rev. E*, **105**, 034204 (2022), doi:[10.1103/PhysRevE.105.034204](https://doi.org/10.1103/PhysRevE.105.034204)