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Publications

Journals

- F. Heydarinasab, M. Jazandari, Md M. H. Polash, J. Abouie, and D. Vashaee, "Paramagnon heat capacity and anomalous thermopower in anisotropic magnetic systems: Understanding interlayer spin correlations in a magnetically disordered phase", Phys. Rev. B, Vol. 109, pp. 54418-2024, doi: [10.1103/PhysRevB.109.054418](https://doi.org/10.1103/PhysRevB.109.054418)
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- N. Ahmadi, J. Abouie, R. Haghshenas, and D. Baeriswyl, "Frustrated mixed-spin ladders: Evidence for a bond-order wave phase between rung-singlet and Haldane phases", Phys. Rev. B, Vol. 106, NO. 174419, 2022, doi: [10.1103/PhysRevB.106.174419](https://doi.org/10.1103/PhysRevB.106.174419)
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- M. Rezaei, J. Abouie, and F. Nazari, "MN4 embedded graphene layers: Tunable decay rate of the RKKY interaction", Phys. Rev. B, Vol. 106, NO. 64407, 2022, doi: [10.1103/PhysRevB.106.064407](https://doi.org/10.1103/PhysRevB.106.064407)



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- A. N. Zarezad, and J. Abouie, "Transport in two-dimensional Rashba electron systems doped with interacting magnetic impurities", Phys. Rev. B, Vol. 101, NO. 115412, 3, 2020, doi: [10.1103/PhysRevB.101.115412](https://doi.org/10.1103/PhysRevB.101.115412)
- S. Abdizadeh, J. Abouie, and Kh. Zakeri, "Dynamical switching of confined skyrmions under circular magnetic field", Phys. Rev. B, Vol. 101, NO. 24409, 1, 2020, doi: [10.1103/PhysRevB.101.024409](https://doi.org/10.1103/PhysRevB.101.024409)
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