

# M Hamed Mohammady

## List of Publications by Year in descending order

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16  
papers

325  
citations

933447

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1058476

14  
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docs citations

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times ranked

368  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Thermodynamic Uncertainty Relation in Slowly Driven Quantum Heat Engines. Physical Review Letters, 2021, 126, 210603.                                  | 7.8  | 54        |
| 2  | Quantum control of hybrid nuclear–electronic qubits. Nature Materials, 2013, 12, 103-107.  | 27.5 | 51        |
| 3  | Bismuth Qubits in Silicon: The Role of EPR Cancellation Resonances. Physical Review Letters, 2010, 105, 067602.  | 7.8  | 49        |
| 4  | Analysis of quantum coherence in bismuth-doped silicon: A system of strongly coupled spin qubits. Physical Review B, 2012, 85, .                       | 3.2  | 33        |
| 5  | A quantum Szilard engine without heat from a thermal reservoir. New Journal of Physics, 2017, 19, 113026.  | 2.9  | 33        |
| 6  | Energetic footprints of irreversibility in the quantum regime. Communications Physics, 2020, 3, .  | 5.3  | 19        |
| 7  | Measuring central-spin interaction with a spin bath by pulsed ENDOR: Towards suppression of spin diffusion decoherence. Physical Review B, 2012, 86, . | 3.2  | 17        |
| 8  | Minimising the heat dissipation of quantum information erasure. New Journal of Physics, 2016, 18, 015011.  | 2.9  | 15        |
| 9  | Low-control and robust quantum refrigerator and applications with electronic spins in diamond. Physical Review A, 2018, 97, .                          | 2.5  | 13        |
| 10 | Conditional work statistics of quantum measurements. Quantum - the Open Journal for Quantum Science, 0, 3, 175.  | 0.0  | 13        |
| 11 | Joint statistics of work and entropy production along quantum trajectories. Physical Review E, 2021, 103, 052138.                                      | 2.1  | 12        |
| 12 | Efficiency of a cyclic quantum heat engine with finite-size baths. Physical Review E, 2019, 100, 012122.   | 2.1  | 6         |
| 13 | Work, Heat and Entropy Production Along Quantum Trajectories. Fundamental Theories of Physics, 2018, , 363-393.  | 0.3  | 5         |
| 14 | Self-consistency of the two-point energy measurement protocol. Physical Review A, 2021, 103, .   | 2.5  | 3         |
| 15 | Symmetry Constrained Decoherence of Conditional Expectation Values. Universe, 2019, 5, 46.   | 2.5  | 1         |
| 16 | Classicality of the heat produced by quantum measurements. Physical Review A, 2021, 104, .   | 2.5  | 1         |