

Mehrdad Elyasi

List of Publications by Year in descending order

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1424
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Stochasticity of the magnon parametron. Physical Review B, 2022, 105, . | 3.2 | 10 |
| 2 | Cryogenic spin Seebeck effect. Physical Review B, 2021, 103, . | 3.2 | 6 |
| 3 | Resources of nonlinear cavity magnonics for quantum information. Physical Review B, 2020, 101, . | 3.2 | 66 |
| 4 | Topologically nontrivial magnonic solitons. Physical Review B, 2019, 99, . | 3.2 | 14 |
| 5 | Extrinsic Spin Hall Effect in $\text{Cu}_1\text{Mn}_2\text{Sb}$. Physical Review Applied, 2017, 8, . | 3.2 | 7 |
| 6 | Room temperature magnetization switching in topological insulator-ferromagnet heterostructures by spin-orbit torques. Nature Communications, 2017, 8, 1364. | 12.8 | 271 |
| 7 | High-Performance THz Emitters Based on Ferromagnetic/Nonmagnetic Heterostructures. Advanced Materials, 2017, 29, 1603031. | 21.0 | 183 |
| 8 | Cloaking the magnons. Physical Review B, 2016, 93, . | 3.2 | 3 |
| 9 | Optically induced spin-dependent diffusive transport in the presence of spin-orbit interaction for all-optical magnetization reversal. Physical Review B, 2016, 94, . | 3.2 | 4 |
| 10 | Magnetization reversal using excitation of collective modes in nanodot matrices. Scientific Reports, 2015, 5, 7908. | 3.3 | 3 |
| 11 | Individual magnetization reversal of a square dot matrix by common current excitation. Journal Physics D: Applied Physics, 2015, 48, 295301. | 2.8 | 1 |
| 12 | Synchronization of spin-transfer torque oscillators by spin pumping, inverse spin Hall, and spin Hall effects. Journal of Applied Physics, 2015, 117, 063907. | 2.5 | 16 |
| 13 | Electrical detection of microwave assisted magnetization reversal by spin pumping. Applied Physics Letters, 2014, 104, . | 3.3 | 9 |
| 14 | Multi-bit memory cell using long-range non-anchored actuation for high temperature applications. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2013, 2013, 000152-000159. | 0.2 | 0 |