

Patrick Quarterman

List of Publications by Year in descending order

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23
papers

902
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687363

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1866
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Large unidirectional spin Hall and Rashba [∞] Edelstein magnetoresistance in topological insulator/magnetic insulator heterostructures. Applied Physics Reviews, 2022, 9, . | 11.3 | 13 |
| 2 | Resonant Spin Transmission Mediated by Magnons in a Magnetic Insulator Multilayer Structure. Advanced Materials, 2021, 33, e2008555. | 21.0 | 13 |
| 3 | Magnetic proximity effect in magnetic-insulator/heavy-metal heterostructures across the compensation temperature. Physical Review B, 2021, 104, . | 3.2 | 9 |
| 4 | Spin and Charge Interconversion in Dirac-Semimetal Thin Films. Physical Review Applied, 2021, 16, . | 3.8 | 20 |
| 5 | Dysprosium Iron Garnet Thin Films with Perpendicular Magnetic Anisotropy on Silicon. Advanced Electronic Materials, 2020, 6, 1900820. | 5.1 | 41 |
| 6 | Manipulation of Coupling and Magnon Transport in Magnetic Metal-Insulator Hybrid Structures. Physical Review Applied, 2020, 13, . | 3.8 | 31 |
| 7 | Investigation on the structural property of the sputtered hcp-phase boron nitride tunnel barrier for spintronic applications. AIP Advances, 2020, 10, 035005. | 1.3 | 1 |
| 8 | Ferromagnetism in van der Waals compound MnS $b > 1.8$ | 2.4 | 21 |
| 9 | Distortions to the penetration depth and coherence length of superconductor/normal-metal superlattices. Physical Review Materials, 2020, 4, . | 2.4 | 7 |
| 10 | Nonvolatile Ionic Modification of the Dzyaloshinskii-Moriya Interaction. Physical Review Applied, 2019, 12, . | 3.8 | 59 |
| 11 | Effects of field annealing on MnN/CoFeB exchange bias systems. Physical Review Materials, 2019, 3, . | 2.4 | 4 |
| 12 | Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi $i > 2$ | 3.6 | 204 |
| 13 | Enhancement of tunneling magnetoresistance by inserting a diffusion barrier in L1-FePd perpendicular magnetic tunnel junctions. Applied Physics Letters, 2018, 112, . | 3.3 | 15 |
| 14 | Demonstration of Ru as the 4th ferromagnetic element at room temperature. Nature Communications, 2018, 9, 2058. | 12.8 | 29 |
| 15 | Room-temperature high spin [∞] orbit torque due to quantum confinement in sputtered $\text{Bi}_x\text{Se}_{(1-x)}$ films. Nature Materials, 2018, 17, 800-807. | 27.5 | 344 |
| 16 | Picosecond Fresnel transmission electron microscopy. Applied Physics Letters, 2017, 110, 222404. | 3.3 | 22 |
| 17 | Molecular dynamic simulation study of plasma etching L1 FePt media in embedded mask patterning (EMP) process. AIP Advances, 2017, 7, . | 1.3 | 1 |
| 18 | Effect of capping layer on formation and magnetic properties of MnBi thin films. Journal of Applied Physics, 2017, 122, 213904. | 2.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of Mask Erosion on Patterning of FePt for Heat-Assisted Magnetic Recording Media Using Embedded Mask Patterning. IEEE Transactions on Magnetics, 2016, 52, 1-4. | 2.1 | 2 |
| 20 | Observation and elimination of broken symmetry in L1 FePt nanostructures. Applied Physics Letters, 2015, 107, . | 3.3 | 8 |
| 21 | Ion-Assisted Plasma Etch Modeling of L1₀ Phase FePt Magnetic Media Fabrication With Embedded Mask Patterning Method. IEEE Transactions on Magnetics, 2015, 51, 1-5. | 2.1 | 2 |
| 22 | Embedded mask patterning: A nanopatterning process to fabricate FePt magnetic media. Applied Physics Letters, 2013, 102, . | 3.3 | 7 |
| 23 | Spin-triplet supercurrent in Co/Ni multilayer Josephson junctions with perpendicular anisotropy. Physical Review B, 2012, 86, . | 3.2 | 38 |