

Patrick Quarterman

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

902
citations

687363

13
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1866
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature high spin-orbit torque due to quantum confinement in sputtered Bi ₂ Se ₃ films. Nature Materials, 2018, 17, 800-807. Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator	27.5	344
2	MnB_2	3.6	204
3	Physi Nonvolatile Ionic Modification of the Dzyaloshinskii-Moriya Interaction. Physical Review Applied, 2019, 12, .	3.8	59
4	Dysprosium Iron Garnet Thin Films with Perpendicular Magnetic Anisotropy on Silicon. Advanced Electronic Materials, 2020, 6, 1900820.	5.1	41
5	Spin-triplet supercurrent in Co/Ni multilayer Josephson junctions with perpendicular anisotropy. Physical Review B, 2012, 86, .	3.2	38
6	Manipulation of Coupling and Magnon Transport in Magnetic Metal-Insulator Hybrid Structures. Physical Review Applied, 2020, 13, .	3.8	31
7	Demonstration of Ru as the 4th ferromagnetic element at room temperature. Nature Communications, 2018, 9, 2058.	12.8	29
8	Picosecond Fresnel transmission electron microscopy. Applied Physics Letters, 2017, 110, 222404. Ferromagnetism in van der Waals compound	3.3	22
9	MnS	2.4	21
10	Spin and Charge Interconversion in Dirac-Semimetal Thin Films. Physical Review Applied, 2021, 16, .	3.8	20
11	Enhancement of tunneling magnetoresistance by inserting a diffusion barrier in L1-FePd perpendicular magnetic tunnel junctions. Applied Physics Letters, 2018, 112, .	3.3	15
12	Resonant Spin Transmission Mediated by Magnons in a Magnetic Insulator Multilayer Structure. Advanced Materials, 2021, 33, e2008555.	21.0	13
13	Large unidirectional spin Hall and Rashba-Edelstein magnetoresistance in topological insulator/magnetic insulator heterostructures. Applied Physics Reviews, 2022, 9, .	11.3	13
14	Magnetic proximity effect in magnetic-insulator/heavy-metal heterostructures across the compensation temperature. Physical Review B, 2021, 104, .	3.2	9
15	Observation and elimination of broken symmetry in L1 FePt nanostructures. Applied Physics Letters, 2015, 107, .	3.3	8
16	Embedded mask patterning: A nanopatterning process to fabricate FePt magnetic media. Applied Physics Letters, 2013, 102, .	3.3	7
17	Distortions to the penetration depth and coherence length of superconductor/normal-metal superlattices. Physical Review Materials, 2020, 4, .	2.4	7
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	Effects of field annealing on MnN/CoFeB exchange bias systems. Physical Review Materials, 2019, 3, .	2.4	4
20	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
21	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
22	Molecular dynamic simulation study of plasma etching L1 FePt media in embedded mask patterning (EMP) process. AIP Advances, 2017, 7, .	1.3	1
23	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