

Marko D PetroviÄ

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

240
citations

1162367

8
h-index

1281420

11
g-index

14
all docs

14
docs citations

14
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnon- versus Electron-Mediated Spin-Transfer Torque Exerted by Spin Current across an Antiferromagnetic Insulator to Switch the Magnetization of an Adjacent Ferromagnetic Metal. Physical Review Applied, 2021, 15, .	1.5	11
2	Quantum Spin Torque Driven Transmutation of an Antiferromagnetic Mott Insulator. Physical Review Letters, 2021, 126, 197202.	2.9	8
3	Spintronics Meets Density Matrix Renormalization Group: Quantum Spin-Torque-Driven Nonclassical Magnetization Reversal and Dynamical Buildup of Long-Range Entanglement. Physical Review X, 2021, 11, .	2.8	8
4	Annihilation of topological solitons in magnetism with spin-wave burst finale: Role of nonequilibrium electrons causing nonlocal damping and spin pumping over ultrabroadband frequency range. Physical Review B, 2021, 104, .	1.1	5
5	Proximity Spin-Orbit Torque on a Two-Dimensional Magnet within van der Waals Heterostructure: Current-Driven Antiferromagnet-to-Ferromagnet Reversible Nonequilibrium Phase Transition in Scattering-induced and highly tunable by gate-damping-like spin-orbit torque in graphene doubly proximitized by two-dimensional magnet	4.5	89
6	$\text{Cr}_2\text{Ge}_2\text{Te}_6$ and monolayer	1.3	29
7	First-Principles Quantum Transport Modeling of Spin-Transfer and Spin-Orbit Torques in Magnetic Multilayers. , 2020, , 499-533.		2
8	Quantum spin transfer torque induced nonclassical magnetization dynamics and electron-magnetization entanglement. Physical Review B, 2019, 99, .	1.1	16
9	Spin and Charge Pumping by a Steady or Pulse-Current-Driven Magnetic Domain Wall: A Self-Consistent Multiscale Time-Dependent Quantum-Classical Hybrid Approach. Physical Review Applied, 2018, 10, .	1.5	39
10	First-Principles Quantum Transport Modeling of Spin-Transfer and Spin-Orbit Torques in Magnetic Multilayers. , 2018, , 1-35.		6
11	Quantum transport in graphene Hall bars: Effects of side gates. Solid State Communications, 2017, 257, 20-26.	0.9	0
12	Scanning gate microscopy of magnetic focusing in graphene devices: quantum versus classical simulation. Nanotechnology, 2017, 28, 185202.	1.3	10
13	Conductance maps of quantum rings due to a local potential perturbation. Journal of Physics Condensed Matter, 2013, 25, 495301.	0.7	9
14	Spin relaxation in CdTe quantum dots with a single Mn atom. Physical Review B, 2012, 85, .	1.1	8