

Jisu Ryu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

803
citations

933447

10
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-wave propagation in the presence of interfacial Dzyaloshinskii-Moriya interaction. Physical Review B, 2013, 88, .	3.2	267
2	Magnetization dynamics induced by in-plane currents in ultrathin magnetic nanostructures with Rashba spin-orbit coupling. Physical Review B, 2012, 85, .	3.2	203
3	Current-induced motion of a transverse magnetic domain wall in the presence of spin Hall effect. Applied Physics Letters, 2012, 101, .	3.3	75
4	Artificial Neural Network-Based Compact Modeling Methodology for Advanced Transistors. IEEE Transactions on Electron Devices, 2021, 68, 1318-1325.	3.0	75
5	Universality Classes of Magnetic Domain Wall Motion. Physical Review Letters, 2011, 107, 067201.	7.8	70
6	Magnetic domain-wall motion in a nanowire: Depinning and creep. Physical Review B, 2011, 84, .	3.2	27
7	Electric Current Effect on the Energy Barrier of Magnetic Domain Wall Depinning: Origin of the Quadratic Contribution. Physical Review Letters, 2011, 107, 217205.	7.8	26
8	Current-driven domain wall motion with spin Hall effect: Reduction of threshold current density. Applied Physics Letters, 2013, 102, 172404.	3.3	19
9	Bridging TCAD and AI: Its Application to Semiconductor Design. IEEE Transactions on Electron Devices, 2021, 68, 5364-5371.	3.0	19
10	Current-induced domain wall motion: Domain wall velocity fluctuations. Journal of Applied Physics, 2009, 105, .	2.5	12
11	Physics-augmented Neural Compact Model for Emerging Device Technologies. , 2020, , .		10