Jung-Hwan Moon

List of Publications by Year
in descending order

19	641	933447 10	794594 19
papers	citations	h-index	g-index

19	19	19	907
all docs	docs citations	times ranked	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	A self-rectifying TaOy/nanoporous TaOx memristor synaptic array for learning and energy-efficient neuromorphic systems. NPG Asia Materials, 2018, 10, 1097-1106.	7.9	92
3	Prediction of Giant Spin Motive Force due to Rashba Spin-Orbit Coupling. Physical Review Letters, 2012, 108, 217202.	7.8	90
4	Self-consistent calculation of spin transport and magnetization dynamics. Physics Reports, 2013, 531, 89-113.	25.6	36
5	Magnon-mediated Dzyaloshinskii-Moriya torque in homogeneous ferromagnets. Physical Review B, 2014, 90, .	3.2	32
6	Enhanced Nonadiabaticity in Vortex Cores due to the Emergent Hall Effect. Physical Review Letters, 2016, 117, 277203.	7.8	29
7	Spin-wave propagation in the presence of inhomogeneous Dzyaloshinskii-Moriya interactions. Physical Review B, 2017, 96, .	3.2	20
8	Current-induced oscillation of a magnetic domain wall: Effect of damping enhanced by magnetization dynamics. Current Applied Physics, 2011, 11, 61-64.	2.4	17
9	Effect of spin diffusion on current generated by spin motive force. Physical Review B, 2011, 84, .	3.2	10
10	Unidirectional Magnon-Driven Domain Wall Motion Due to the Interfacial Dzyaloshinskii-Moriya Interaction. Physical Review Letters, 2019, 122, 147202.	7.8	10
11	Current-induced resonant motion of a magnetic vortex core: Effect of nonadiabatic spin torque. Physical Review B, 2009, 79, .	3.2	8
12	Phase Diagram of a Single Skyrmion in Magnetic Nanowires. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	7
13	Effect of Enhanced Damping Due to Spin-Motive Force on Field-Driven Domain Wall Motion. IEEE Transactions on Magnetics, 2010, 46, 2167-2170.	2.1	6
14	Effect of enhanced damping caused by spin-motive force on vortex dynamics. Journal of Applied Physics, 2012, 111, 07D120.	2.5	5
15	Eigen damping constant of spin waves in ferromagnetic nanostructure. Scientific Reports, 2019, 9, 13226.	3.3	4
16	Spin-Motive Force Caused by Vortex Gyration in a Circular Nanodisk with Holes. Journal of Magnetics, 2011, 16, 6-9.	0.4	3
17	Magnetic vortex dynamics on a picoseconds timescale in a hexagonal Permalloy pattern. Journal of Applied Physics, 2010, 107, 09D302.	2.5	2
18	Relation between switching time distribution and damping constant in magnetic nanostructure. Scientific Reports, 2018, 8, 13288.	3.3	2

#	Article	IF	Citations
19	Electrical Detection of Polarity and Chirality of a Magnetic Vortex Using Spin-Motive Force Caused by Rashba Spinâ€“Orbit Coupling. Applied Physics Express, 2012, 5, 123002.	2.4	1