

# Jong Min Lee

## List of Publications by Year in descending order

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19  
papers

724  
citations

1040056

9  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in spin-orbit torques: Moving towards device applications. Applied Physics Reviews, 2018, 5, 031107.	11.3	176
2	Ultrafast and energy-efficient spin-orbit torque switching in compensated ferrimagnets. Nature Electronics, 2020, 3, 37-42.	26.0	147
3	All-Electrical Measurement of Interfacial Dzyaloshinskii-Moriya Interaction Using Collective Spin-Wave Dynamics. Nano Letters, 2016, 16, 62-67.	9.1	91
4	Anomalous spin-orbit torque switching due to field-like torque-assisted domain wall reflection. Science Advances, 2017, 3, e1603099.	10.3	68
5	Observation of Out-of-Plane Spin Texture in a $\text{SrTiO}_3$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 572 Td (stretchy="false") Review Letters, 2018, 120, 266802.		
6	Field-Free Spin-Orbit Torque Switching from Geometrical Domain-Wall Pinning. Nano Letters, 2018, 18, 4669-4674.	9.1	48
7	Giant nonreciprocal emission of spin waves in Ta/Py bilayers. Science Advances, 2016, 2, e1501892.	10.3	41
8	Direct visualization of current-induced spin accumulation in topological insulators. Nature Communications, 2018, 9, 2492.	12.8	30
9	Oscillatory spin-orbit torque switching induced by field-like torques. Communications Physics, 2018, 1, .	5.3	28
10	Thermally activated magnetization switching in a nanostructured synthetic ferrimagnet. Journal of Applied Physics, 2013, 113, 063914.	2.5	12
11	Phase diagram of magnetization switching in a nanostructured magnetic thin film. Journal of Applied Physics, 2010, 108, 073910.	2.5	8
12	Calculation of the magnetization oscillation frequency in a nanostructured synthetic ferrimagnet. Journal Physics D: Applied Physics, 2010, 43, 075001.	2.8	7
13	Non-destructive patterning of 10-nm magnetic island array by phase transformation with low-energy proton irradiation. Applied Physics Letters, 2017, 111, .	3.3	4
14	An alternate switching/non-switching behavior of a nanostructured magnetic thin film under sub-Stoner-Wohlfarth switching fields. Journal of Applied Physics, 2011, 110, 093910.	2.5	3
15	Suppression of the precessional motion of magnetization in a nanostructured synthetic ferrimagnet. Applied Physics Letters, 2012, 100, .	3.3	3
16	Critical switching current and thermal stability of magnetic tunnel junctions with uncompensated CoFeB/Ru/CoFeB synthetic free layers. Journal of Applied Physics, 2013, 113, 093906.	2.5	3
17	Switching Windows for a Nanostructured Cell of Synthetic Ferrimagnets. Journal of Nanoscience and Nanotechnology, 2011, 11, 6603-6607.	0.9	1
18	Thermal Stability and Critical Switching Field of Nanostructured Synthetic Ferrimagnets. Journal of Nanoscience and Nanotechnology, 2013, 13, 6434-6437.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Effects of the transverse bias field on the dynamic magnetization switching behavior. Journal of the Korean Physical Society, 2012, 61, 1476-1480.	0.7	0