

Luqiao Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/905797/luqiao-liu-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

6,726
citations

19
h-index

34
g-index

34
ext. papers

8,088
ext. citations

9.1
avg, IF

6.15
L-index

#	Paper	IF	Citations
30	Spin-torque switching with the giant spin Hall effect of tantalum. <i>Science</i> , 2012 , 336, 555-8	33.3	2437
29	Current-induced switching of perpendicularly magnetized magnetic layers using spin torque from the spin Hall effect. <i>Physical Review Letters</i> , 2012 , 109, 096602	7.4	1039
28	Spin-torque ferromagnetic resonance induced by the spin Hall effect. <i>Physical Review Letters</i> , 2011 , 106, 036601	7.4	995
27	Spin transfer torque devices utilizing the giant spin Hall effect of tungsten. <i>Applied Physics Letters</i> , 2012 , 101, 122404	3.4	899
26	Room-Temperature Spin-Orbit Torque Switching Induced by a Topological Insulator. <i>Physical Review Letters</i> , 2017 , 119, 077702	7.4	247
25	Magnetic oscillations driven by the spin Hall effect in 3-terminal magnetic tunnel junction devices. <i>Physical Review Letters</i> , 2012 , 109, 186602	7.4	243
24	Spin-Orbit-Torque Efficiency in Compensated Ferrimagnetic Cobalt-Terbium Alloys. <i>Physical Review Applied</i> , 2016 , 6,	4.3	154
23	Current-Induced Domain Wall Motion in a Compensated Ferrimagnet. <i>Physical Review Letters</i> , 2018 , 121, 057701	7.4	115
22	Spin-polarized tunneling study of spin-momentum locking in topological insulators. <i>Physical Review B</i> , 2015 , 91,	3.3	92
21	Strong Coupling between Microwave Photons and Nanomagnet Magnons. <i>Physical Review Letters</i> , 2019 , 123, 107702	7.4	76
20	Gigahertz Frequency Antiferromagnetic Resonance and Strong Magnon-Magnon Coupling in the Layered Crystal CrCl ₃ . <i>Physical Review Letters</i> , 2019 , 123, 047204	7.4	60
19	Mutual control of coherent spin waves and magnetic domain walls in a magnonic device. <i>Science</i> , 2019 , 366, 1121-1125	33.3	56
18	Magnetic Domain Wall Based Synaptic and Activation Function Generator for Neuromorphic Accelerators. <i>Nano Letters</i> , 2020 , 20, 1033-1040	11.5	42
17	Quantitative Study on Current-Induced Effect in an Antiferromagnet Insulator/Pt Bilayer Film. <i>Physical Review Letters</i> , 2019 , 123, 247206	7.4	41
16	Spin-Orbit Torque Switching in a Nearly Compensated Heusler Ferrimagnet. <i>Advanced Materials</i> , 2019 , 31, e1805361	24	36
15	. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-39	2	34
14	Spintronics with compensated ferrimagnets. <i>Applied Physics Letters</i> , 2020 , 116, 110501	3.4	33

13	Birefringence-like spin transport via linearly polarized antiferromagnetic magnons. <i>Nature Nanotechnology</i> , 2020 , 15, 563-568	28.7	32
12	Large spin-orbit torque observed in epitaxial SrIrO ₃ thin films. <i>Applied Physics Letters</i> , 2019 , 114, 232406	3.4	20
11	Manipulation of Coupling and Magnon Transport in Magnetic Metal-Insulator Hybrid Structures. <i>Physical Review Applied</i> , 2020 , 13,	4.3	18
10	Spin-Orbit-Torque Switching Mediated by an Antiferromagnetic Insulator. <i>Physical Review Applied</i> , 2019 , 11,	4.3	15
9	Variable spin-charge conversion across metal-insulator transition. <i>Nature Communications</i> , 2020 , 11, 47617	7.4	12
8	Topological insulators for efficient spin-orbit torques. <i>APL Materials</i> , 2021 , 9, 060901	5.7	9
7	Temperature-dependent spin Hall effect tunneling spectroscopy in platinum. <i>Applied Physics Letters</i> , 2019 , 115, 162403	3.4	7
6	Resonant Spin Transmission Mediated by Magnons in a Magnetic Insulator Multilayer Structure. <i>Advanced Materials</i> , 2021 , 33, e2008555	24	5
5	Ising Machine Based on Electrically Coupled Spin Hall Nano-Oscillators. <i>Physical Review Applied</i> , 2022 , 17,	4.3	2
4	Direct Evidence of Spin Transfer Torque on Two-Dimensional Cobalt-Doped MoS ₂ Ferromagnetic Material. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1497-1504	4	1
3	Electrical manipulation of spin pumping signal through nonlocal thermal magnon transport. <i>Applied Physics Letters</i> , 2019 , 115, 172405	3.4	1
2	Nonreciprocal Transmission of Incoherent Magnons with Asymmetric Diffusion Length. <i>Nano Letters</i> , 2021 , 21, 7037-7043	11.5	1
1	Current-induced switching of a ferromagnetic Weyl semimetal Co ₂ MnGa. <i>Applied Physics Letters</i> , 2021 , 119, 212409	3.4	0