

Jonathan Z Sun

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

813
citations

1040056

9
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

952
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the spin-transfer-torque vector in magnetic tunnel junctions. <i>Nature Physics</i> , 2008, 4, 67-71.	16.7	571
2	Spin angular momentum transfer in a current-perpendicular spin-valve nanomagnet. , 2004, , .		55
3	Demonstration of Nanosecond Operation in Stochastic Magnetic Tunnel Junctions. <i>Nano Letters</i> , 2021, 21, 2040-2045.	9.1	51
4	Planar Hall Driven Torque in a Ferromagnet/Nonmagnet/Ferromagnet System. <i>Physical Review Letters</i> , 2020, 124, 197204.	7.8	27
5	Material parameters of perpendicularly magnetized tunnel junctions from spin torque ferromagnetic resonance techniques. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	23
6	Spin-dependent transport in trilayer junctions of doped manganites. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 350, 215-226.	1.2	20
7	Interface moment dynamics and its contribution to spin-transfer torque switching process in magnetic tunnel junctions. <i>Physical Review B</i> , 2019, 100, .	3.2	18
8	Micromagnetic study of switching boundary of a spin torque nanodevice. <i>Applied Physics Letters</i> , 2011, 98, 102501.	3.3	13
9	Spin-transfer torque switched magnetic tunnel junction for memory technologies. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 559, 169479.	2.3	13
10	Spin-transfer-induced magnetic excitation: The role of spin-pumping induced damping. <i>Journal of Applied Physics</i> , 2005, 97, 10C714.	2.5	9
11	A perspective on electrical generation of spin current for magnetic random access memories. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	7
12	Physical Principles of Spin Torque. , 2014, , 1-38.		3
13	Physical Principles of Spin Torque. , 2016, , 1339-1385.		2
14	Spin-Dependent Transport in Manganite Trilayer Junctions. <i>Materials Research Society Symposia Proceedings</i> , 1999, 574, 273.	0.1	1
15	A memorial symposium for John C. Slonczewski at the 64th MMM conference. <i>AIP Advances</i> , 2020, 10, 030401.	1.3	0
16	Precession coupled spin current in spin torque driven magnetic tunnel junctions. <i>AIP Advances</i> , 2021, 11, 015006.	1.3	0