Houchen Chang

List of Publications by Year
in descending order

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25 papers	1,792 citations	394421 19 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2335 citing authors

#	Article	IF	Citations
1	Imaging of magnetic excitations in nanostructures with near-field microwave microscopy. Journal of Magnetism and Magnetic Materials, 2022, 546, 168870.	2.3	1
2	Changes of Magnetism in a Magnetic Insulator due to Proximity to a Topological Insulator. Physical Review Letters, 2020, 125, 017204.	7.8	26
3	Sputtering Growth of Low-Damping Yttrium-Iron-Garnet Thin Films. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	43
4	Structure and basal twinning of topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> grow	2.4	12
5	Long-distance propagation of short-wavelength spin waves. Nature Communications, 2018, 9, 738.	12.8	181
6	Spin wave propagation in perpendicularly magnetized nm-thick yttrium iron garnet films. Journal of Magnetism and Magnetic Materials, 2018, 450, 3-6.	2.3	32
7	First harmonic measurements of the spin Seebeck effect. Applied Physics Letters, 2018, 113, .	3.3	13
8	Nontrivial Nature and Penetration Depth of Topological Surface States in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SmB</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mrow> Thin Films. Physical Review Letters, 2018, 120, 207206.	7.8	17
9	Spin transport in antiferromagnetic NiO and magnetoresistance in Y3Fe5O12/NiO/Pt structures. AIP Advances, 2017, 7, 055903.	1.3	30
10	Role of damping in spin Seebeck effect in yttrium iron garnet thin films. Science Advances, 2017, 3, e1601614.	10.3	42
11	Sputtering growth of Y₃Fe₅O₁₂/Pt bilayers and spin transfer at Y₃Fe₅O₁₂/Pt interfaces. APL Materials, 2017, 5, 126104.	5.1	16
12	Patterned growth of crystalline Y3Fe5O12 nanostructures with engineered magnetic shape anisotropy. Applied Physics Letters, 2017, 110, .	3.3	34
13	Interface effects in nanometer-thick yttrium iron garnet films studied by magneto-optical spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	28
14	Exquisite growth control and magnetic properties of yttrium iron garnet thin films. Applied Physics Letters, 2016, 108, .	3.3	55
15	Photo-spin-voltaic effect. Nature Physics, 2016, 12, 861-866.	16.7	52
16	Surface-State-Dominated Spin-Charge Current Conversion in Topological-Insulatorâ€“Ferromagnetic-Insulator Heterostructures. Physical Review Letters, 2016, 117, 076601.	7.8	162
17	Spinâ€“orbit torque-assisted switching in magnetic insulator thin films with perpendicular magnetic anisotropy. Nature Communications, 2016, 7, 12688.	12.8	85
18	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	3.2	48

#	Article	IF	Citations
19	Optical spectroscopy of sputtered nanometer-thick yttrium iron garnet films. Journal of Applied Physics, 2015, 117, .	2.5	13
20	Spin waves in micro-structured yttrium iron garnet nanometer-thick films. Journal of Applied Physics, 2015, 117, .	2.5	50
21	Generation of pure spin currents via spin Seebeck effect in self-biased hexagonal ferrite thin films. Applied Physics Letters, 2014, 105, .	3.3	32
22	Ferromagnetic resonance of sputtered yttrium iron garnet nanometer films. Journal of Applied Physics, 2014, 115, .	2.5	129
23	Nanometer-Thick Yttrium Iron Garnet Films With Extremely Low Damping. IEEE Magnetics Letters, 2014, 5, 1-4.	1.1	254
24	Damping in Yttrium Iron Garnet Nanoscale Films Capped by Platinum. Physical Review Letters, 2013, 111, 106601.	7.8	227
25	Growth and ferromagnetic resonance properties of nanometer-thick yttrium iron garnet films. Applied Physics Letters, 2012, 101, .	3.3	210