

Hongyu An

List of Publications by Year in descending order

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papers

551
citations

933447

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21
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22
all docs

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docs citations

22
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-torque generator engineered by natural oxidation of Cu. Nature Communications, 2016, 7, 13069.	12.8	128
2	Rashba-Edelstein Magnetoresistance in Metallic Heterostructures. Physical Review Letters, 2016, 117, 116602.	7.8	103
3	Current-induced magnetization switching using an electrically insulating spin-torque generator. Science Advances, 2018, 4, eaar2250.	10.3	66
4	Intrinsic Spin-Orbit Torque Arising from the Berry Curvature in a Metallic-Magnet/Cu-Oxide Interface. Physical Review Letters, 2018, 121, 017202.	7.8	55
5	Spin-orbit torque manipulated by fine-tuning of oxygen-induced orbital hybridization. Science Advances, 2019, 5, eaax4278.	10.3	43
6	Giant spin-torque generation by heavily oxidized Pt. Physical Review B, 2018, 98, .	3.2	40
7	Molecular engineering of Rashba spin-charge converter. Science Advances, 2018, 4, eaar3899.	10.3	24
8	Spin absorption at a ferromagnetic-metal/platinum-oxide interface. Physical Review B, 2019, 99, .	3.2	17
9	Spin-orbit torques in asymmetric Pt/Co/Pt structures. Physical Review B, 2016, 94, .	3.2	12
10	Highly (001) oriented L1-CoPt/TiN multilayer films on glass substrates with perpendicular magnetic anisotropy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	10
11	Manipulation of Spin-Torque Generation Using Ultrathin Au. Physical Review Applied, 2018, 9, .	3.8	9
12	Temperature dependence of Rashba-Edelstein magnetoresistance in Bi/Ag/CoFeB trilayer structures. Applied Physics Letters, 2017, 110, .	3.3	8
13	Spin-orbit torques in heavy metal/ferrimagnetic insulator bilayers near compensation. Applied Physics Letters, 2021, 119, .	3.3	7
14	Temperature-dependent magnetotransport of Co-Ti-O nanocomposite films. Journal Physics D: Applied Physics, 2019, 52, 135302.	2.8	5
15	Spin-Torque Manipulation for Hydrogen Sensing. Advanced Functional Materials, 2020, 30, 2002897.	14.9	5
16	Current-induced magnetization switching in a chemically disordered Al CoPt single layer. Applied Physics Express, 2021, 14, 033002.	2.4	4
17	Coherent-incoherent crossover of the intrinsic spin Hall effect in Pd. Physical Review B, 2021, 104, .	3.2	4
18	Marked Efficiency Improvement of FAPb _{0.7} Sn _{0.3} Br ₃ Perovskite Light-Emitting Diodes by Optimization of the Light-Emitting Layer and Hole-Transport Layer. Nanomaterials, 2022, 12, 1454.	4.1	4

#	ARTICLE	IF	CITATIONS
19	Manipulation of perpendicular exchange bias and spin-orbit torques via MgO in Pt/Co/MgO films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166822.	2.3	3
20	Spin-Orbit Torque and Interfacial Dzyaloshinskii-Moriya Interaction in Heavy Metal/Ferrimagnetic Insulator Deposited by Magnetron Sputtering. <i>Advanced Electronic Materials</i> , 2022, 8, 2100590.	5.1	3
21	Formation and Perpendicular Magnetic Coupling of A1 and L10 CoPt in CoPt/TiN Films on Glass Substrate. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	1
22	Magnon Torque Transferred into a Magnetic Insulator through an Antiferromagnetic Insulator. <i>Nanomaterials</i> , 2021, 11, 2766.	4.1	0