

# Hongyu An

## List of Publications by Year in descending order

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papers

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citations

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#	ARTICLE	IF	CITATIONS
1	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
2	Marked Efficiency Improvement of FAPb <sub>0.7</sub> Sn <sub>0.3</sub> Br <sub>3</sub> Perovskite Light-Emitting Diodes by Optimization of the Light-Emitting Layer and Hole-Transport Layer. <i>Nanomaterials</i> , 2022, 12, 1454.	4.1	4
3	Current-induced magnetization switching in a chemically disordered A1 CoPt single layer. <i>Applied Physics Express</i> , 2021, 14, 033002.	2.4	4
4	Spin-orbit torques in heavy metal/ferrimagnetic insulator bilayers near compensation. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	7
5	Magnon Torque Transferred into a Magnetic Insulator through an Antiferromagnetic Insulator. <i>Nanomaterials</i> , 2021, 11, 2766.	4.1	0
6	Coherent-incoherent crossover of the intrinsic spin Hall effect in Pd. <i>Physical Review B</i> , 2021, 104, .	3.2	4
7	Spin-Torque Manipulation for Hydrogen Sensing. <i>Advanced Functional Materials</i> , 2020, 30, 2002897.	14.9	5
8	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
9	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
10	Spin-orbit torque manipulated by fine-tuning of oxygen-induced orbital hybridization. <i>Science Advances</i> , 2019, 5, eaax4278.	10.3	43
11	Spin absorption at a ferromagnetic-metal/platinum-oxide interface. <i>Physical Review B</i> , 2019, 99, .	3.2	17
12	Temperature-dependent magnetotransport of Co-Ti-O nanocomposite films. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 135302.	2.8	5
13	Current-induced magnetization switching using an electrically insulating spin-torque generator. <i>Science Advances</i> , 2018, 4, eaar2250.	10.3	66
14	Molecular engineering of Rashba spin-charge converter. <i>Science Advances</i> , 2018, 4, eaar3899.	10.3	24
15	Giant spin-torque generation by heavily oxidized Pt. <i>Physical Review B</i> , 2018, 98, .	3.2	40
16	Intrinsic Spin-Orbit Torque Arising from the Berry Curvature in a Metallic-Magnet/Cu-Oxide Interface. <i>Physical Review Letters</i> , 2018, 121, 017202.	7.8	55
17	Manipulation of Spin-Torque Generation Using Ultrathin Au. <i>Physical Review Applied</i> , 2018, 9, .	3.8	9
18	Temperature dependence of Rashba-Edelstein magnetoresistance in Bi/Ag/CoFeB trilayer structures. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	8

#	ARTICLE	IF	CITATIONS
19	Spin-orbit torques in asymmetric Pt/Co/Pt structures. <i>Physical Review B</i> , 2016, 94, .	3.2	12
20	Rashba-Edelstein Magnetoresistance in Metallic Heterostructures. <i>Physical Review Letters</i> , 2016, 117, 116602.	7.8	103
21	Spin-torque generator engineered by natural oxidation of Cu. <i>Nature Communications</i> , 2016, 7, 13069.	12.8	128
22	Highly (001) oriented L1-CoPt/TiN multilayer films on glass substrates with perpendicular magnetic anisotropy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	2.1	10