

# Haoliang Liu

## List of Publications by Year in descending order

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papers

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citations

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times ranked

1351  
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#	ARTICLE	IF	CITATIONS
1	Unconventional Spin Pumping and Magnetic Damping in an Insulating Compensated Ferrimagnet. <i>Advanced Materials</i> , 2022, 34, e2200019.	21.0	9
2	Challenges and opportunities for spintronics based on spin orbit torque. <i>Fundamental Research</i> , 2022, 2, 535-538.	3.3	5
3	Spin-Dependent Photovoltaic and Photogalvanic Responses of Optoelectronic Devices Based on Chiral Two-Dimensional Hybrid Organic-Inorganic Perovskites. <i>ACS Nano</i> , 2021, 15, 588-595.	14.6	85
4	Fabrication Method, Ferromagnetic Resonance Spectroscopy and Spintronics Devices Based on the Organic-Based Ferrimagnet Vanadium Tetracyanoethylene. <i>Advanced Functional Materials</i> , 2021, 31, 2100687.	14.9	9
5	Organic-to-inorganic structural chirality transfer in a 2D hybrid perovskite and impact on Rashba-Dresselhaus spin-orbit coupling. <i>Nature Communications</i> , 2020, 11, 4699.	12.8	200
6	Spin Wave Excitation, Detection, and Utilization in the Organic-Based Magnet, V(TCNE) <sub>x</sub> (TCNE = Tetracyanoethylene). <i>Advanced Materials</i> , 2020, 32, e2002663.	21.0	17
7	Separation of Spin and Charge Transport in Pristine $\pi$ -Conjugated Polymers. <i>Physical Review Letters</i> , 2020, 124, 067702.	7.8	14
8	Magneto-electroluminescence response in 2D and 3D hybrid organic-inorganic perovskite light emitting diodes. <i>Journal of Chemical Physics</i> , 2020, 152, 044714.	3.0	11
9	Magneto-Electroluminescence Study of Fringe Field in $\pi$ -Magnetic Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30072-30078.	8.0	5
10	Surface-enhanced spin current to charge current conversion efficiency in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> -based devices. <i>Journal of Chemical Physics</i> , 2019, 151, 174709.	3.0	14
11	Tunable Spin Characteristic Properties in Spin Valve Devices Based on Hybrid Organic-Inorganic Perovskites. <i>Advanced Materials</i> , 2019, 31, e1904059.	21.0	40
12	Robust Above-Room-Temperature Ferromagnetism in Few-Layer Antimonene Triggered by Nonmagnetic Adatoms. <i>Advanced Functional Materials</i> , 2019, 29, 1808746.	14.9	38
13	2D Ferromagnetism: Robust Above-Room-Temperature Ferromagnetism in Few-Layer Antimonene Triggered by Nonmagnetic Adatoms ( <i>Adv. Funct. Mater.</i> 15/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970099.	14.9	1
14	Studies of spin transport in fullerene films. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	16
15	Observation of exceptional points in magnonic parity-time symmetry devices. <i>Science Advances</i> , 2019, 5, eaax9144.	10.3	45
16	Spin-optoelectronic devices based on hybrid organic-inorganic trihalide perovskites. <i>Nature Communications</i> , 2019, 10, 129.	12.8	214
17	Studies of spin related processes in fullerene C <sub>60</sub> devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3621-3627.	5.5	23
18	Long-range transverse spin Seebeck effect in permalloy stripes using Sagnac interferometer microscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 134003.	2.8	6

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19	Organic-based magnon spintronics. <i>Nature Materials</i> , 2018, 17, 308-312.	27.5	65
20	Topological Insulator-Based van der Waals Heterostructures for Effective Control of Massless and Massive Dirac Fermions. <i>Nano Letters</i> , 2018, 18, 8047-8053.	9.1	25
21	Study of spin transport in polyfluorene films. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	4
22	Lateral Magnetically Modulated Multilayers by Combining Ion Implantation and Lithography. <i>Small</i> , 2017, 13, 1603465.	10.0	11
23	Spintronic detection of interfacial magnetic switching in a paramagnetic thin film of tris(8-hydroxyquinoline)iron(III). <i>Physical Review B</i> , 2017, 95, .	3.2	9
24	Coupling of ferromagnetism and structural phase transition in $V_2O_3/Co$ bilayers. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 495002.	2.8	9
25	Rotatable anisotropy driven training effects in exchange biased Co/CoO films. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	20
26	Rotation sense of the magnetization in the Co/CoO exchange-bias system probed with anisotropic magnetoresistance measurements. <i>Physical Review B</i> , 2013, 88, .	3.2	6
27	Determination of the critical interspacing for the noninteracting magnetic nanoparticle system. <i>Applied Physics Letters</i> , 2011, 98, 153112.	3.3	14
28	Determination of magnetic anisotropies in ultrathin iron films on vicinal Si(111) substrate by the ferromagnetic resonance. <i>Applied Physics Letters</i> , 2010, 96, 142511.	3.3	21