Haoliang Liu

List of Publications by Year
in descending order

28	936	623734 14	501196 28
papers	citations	h-index	g-index

28	28	28	1351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin-optoelectronic devices based on hybrid organic-inorganic trihalide perovskites. Nature Communications, 2019, 10, 129.	12.8	214
2	Organic-to-inorganic structural chirality transfer in a 2D hybrid perovskite and impact on Rashba-Dresselhaus spin-orbit coupling. Nature Communications, 2020, 11, 4699.	12.8	200
3	Spin-Dependent Photovoltaic and Photogalvanic Responses of Optoelectronic Devices Based on Chiral Two-Dimensional Hybrid Organicâ€“Inorganic Perovskites. ACS Nano, 2021, 15, 588-595.	14.6	85
4	Organic-based magnon spintronics. Nature Materials, 2018, 17, 308-312.	27.5	65
5	Observation of exceptional points in magnonic parity-time symmetry devices. Science Advances, 2019, 5, eaax9144.	10.3	45
6	Tunable Spin Characteristic Properties in Spin Valve Devices Based on Hybrid Organicâ€“Inorganic Perovskites. Advanced Materials, 2019, 31, e1904059.	21.0	40
7	Robust Aboveâ€Roomâ€Temperature Ferromagnetism in Fewâ€Layer Antimonene Triggered by Nonmagnetic Adatoms. Advanced Functional Materials, 2019, 29, 1808746.	14.9	38
8	Topological Insulator-Based van der Waals Heterostructures for Effective Control of Massless and Massive Dirac Fermions. Nano Letters, 2018, 18, 8047-8053.	9.1	25
9	Studies of spin related processes in fullerene C₆₀ devices. Journal of Materials Chemistry C, 2018, 6, 3621-3627.	5.5	23
10	Determination of magnetic anisotropies in ultrathin iron films on vicinal Si(111) substrate by the ferromagnetic resonance. Applied Physics Letters, 2010, 96, 142511.	3.3	21
11	Rotatable anisotropy driven training effects in exchange biased Co/CoO films. Journal of Applied Physics, 2014, 115, .	2.5	20
12	Spin Wave Excitation, Detection, and Utilization in the Organicâ€Based Magnet, V(TCNE)_x (TCNE = Tetracyanoethylene). Advanced Materials, 2020, 32, e2002663.	21.0	17
13	Studies of spin transport in fullerene films. Journal of Applied Physics, 2019, 125, .	2.5	16
14	Determination of the critical interspacing for the noninteracting magnetic nanoparticle system. Applied Physics Letters, 2011, 98, 153112.	3.3	14
15	Surface-enhanced spin current to charge current conversion efficiency in CH3NH3PbBr3-based devices. Journal of Chemical Physics, 2019, 151, 174709.	3.0	14
16	Separation of Spin and Charge Transport in Pristine <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Ï€</mml:mi></mml:mrow></mml:math> -Conjugated Polymers. Physical Review Letters, 2020, 124, 067702.	7.8	14
17	Lateral Magnetically Modulated Multilayers by Combining Ion Implantation and Lithography. Small, 2017, 13, 1603465.	10.0	11
18	Magneto-electroluminescence response in 2D and 3D hybrid organicâ€“inorganic perovskite light emitting diodes. Journal of Chemical Physics, 2020, 152, 044714.	3.0	11

#	Article	IF	Citations
19	Spintronic detection of interfacial magnetic switching in a paramagnetic thin film of tris(8-hydroxyquinoline)iron(III). Physical Review B, 2017, 95, .	3.2	9
20	Coupling of ferromagnetism and structural phase transition in V₂O₃/Co bilayers. Journal Physics D: Applied Physics, 2017, 50, 495002.	2.8	9
21	Fabrication Method, Ferromagnetic Resonance Spectroscopy and Spintronics Devices Based on the Organicâ€Based Ferrimagnet Vanadium Tetracyanoethylene. Advanced Functional Materials, 2021, 31, 2100687.	14.9	9
22	Unconventional Spin Pumping and Magnetic Damping in an Insulating Compensated Ferrimagnet. Advanced Materials, 2022, 34, e2200019.	21.0	9
23	Rotation sense of the magnetization in the Co/CoO exchange-bias system probed with anisotropic magnetoresistance measurements. Physical Review B, 2013, 88, .	3.2	6
24	Long-range transverse spin Seebeck effect in permalloy stripes using Sagnac interferometer microscopy. Journal Physics D: Applied Physics, 2018, 51, 134003.	2.8	6
25	Magneto-Electroluminescence Study of Fringe Field in â€œMagneticâ€•Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 30072-30078.	8.0	5
26	Challenges and opportunities for spintronics based on spin orbit torque. Fundamental Research, 2022, 2, 535-538.	3.3	5
27	Study of spin transport in polyfluorene films. Journal of Photonics for Energy, 2018, 8, 1.	1.3	4
28	2D Ferromagnetism: Robust Aboveâ€Roomâ€Temperature Ferromagnetism in Fewâ€Layer Antimonene Triggered by Nonmagnetic Adatoms (Adv. Funct. Mater. 15/2019). Advanced Functional Materials, 2019, 29, 1970099.	14.9	1