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List of Publications by Year
in descending order

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40 papers	2,983 citations	331670 21 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	4365 citing authors

#	Article	IF	Citations
1	Unconventional spin Hall effects in nonmagnetic solids. Physical Review Materials, 2022, 6, .	2.4	28
2	The role of device asymmetries and Schottky barriers on the helicity-dependent photoresponse of 2D phototransistors. Npj 2D Materials and Applications, 2021, 5, .	7.9	8
3	Symmetry and control of spin-scattering processes in two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 103, .	3.2	10
4	Enhancing magneto-optic effects in two-dimensional magnets by thin-film interference. AIP Advances, 2021, 11, .	1.3	3
5	Disorder is not always bad for charge-to-spin conversion in WTe2. Matter, 2021, 4, 1440-1441.	10.0	1
6	Transfer of large-scale two-dimensional semiconductors: challenges and developments. 2D Materials, 2021, 8, 032001.	4.4	81
7	Interfacial spin-orbit torques and magnetic anisotropy in WSe₂/permalloy bilayers. JPhys Materials, 2021, 4, 04LT01.	4.2	5
8	Photoluminescence and charge transfer in the prototypical 2D/3D semiconductor heterostructure MoS2/GaAs. Applied Physics Letters, 2021, 119, .	3.3	10
9	Chiral Spin Spirals at the Surface of the van der Waals Ferromagnet Fe₃GeTe₂. Nano Letters, 2020, 20, 8563-8568.	9.1	35
10	Nonlinear Analog Spintronics with van der Waals Heterostructures. Physical Review Applied, 2020, 14, .	3.8	2
11	Layer effects on the magnetic textures in magnets with local inversion asymmetry. Physical Review B, 2020, 102, .	3.2	4
12	Spin caloritronics in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrBr</mml:mi><mml:mn>3</mml:mn></mml:msub><mm magnetic van der Waals heterostructure. Physical Review B, 2020, 101, .	3.2	26
13	Correlated Exciton Fluctuations in a Two-Dimensional Semiconductor on a Metal. Nano Letters, 2020, 20, 4829-4836.	9.1	10
14	Large interfacial spin-orbit torques in layered antiferromagnetic insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ni</mml:mi><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">S</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> /ferromagnet bilayers. Physical Review Materials, 2020, 4, .	2.4	11
15	Spin-Orbit Torques in Transition Metal Dichalcogenide/Ferromagnet Heterostructures. Frontiers in Materials, 2020, 7, .	2.4	21
16	Switching magnetization with a Weyl semimetal. Nature Nanotechnology, 2019, 14, 923-924.	31.5	0
17	MoS ₂ pixel arrays for real-time photoluminescence imaging of redox molecules. Science Advances, 2019, 5, eaat9476.	10.3	19
18	Current-Induced Torques with Dresselhaus Symmetry Due to Resistance Anisotropy in 2D Materials. ACS Nano, 2019, 13, 2599-2605.	14.6	32

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19	Spinâ€“Orbit Torques in NbSe₂/Permalloy Bilayers. Nano Letters, 2018, 18, 1311-1316.	9.1	89
20	Spin Accumulation and Dynamics in Inversion-Symmetric van der Waals Crystals. Physical Review Letters, 2018, 120, 266801.	7.8	14
21	Spin relaxation 1/f noise in graphene. Physical Review B, 2017, 95, .	3.2	6
22	Thickness dependence of spin-orbit torques generated by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mtext>WTe</mml:mtext></mml:mrow><mml:m Physical Review B, 2017, 96, .	3.2	10
23	Control of spinâ€“orbit torques through crystal symmetry in WTe2/ferromagnet bilayers. Nature Physics, 2017, 13, 300-305.	16.7	489
24	Atomically Thin Ohmic Edge Contacts Between Two-Dimensional Materials. ACS Nano, 2016, 10, 6392-6399.	14.6	202
25	24â^Î¼spin relaxation length in boron nitride encapsulated bilayer graphene. Physical Review B, 2015, 92, .	3.2	80
26	Graphene spintronics: the European Flagship perspective. 2D Materials, 2015, 2, 030202.	4.4	243
27	Fast pick up technique for high quality heterostructures of bilayer graphene and hexagonal boron nitride. Applied Physics Letters, 2014, 105, .	3.3	280
28	Spin transport in graphene nanostructures. Physical Review B, 2014, 90, .	3.2	17
29	Spin-Dependent Quantum Interference in Nonlocal Graphene Spin Valves. Nano Letters, 2014, 14, 2952-2956.	9.1	7
30	Controlling Spin Relaxation in Hexagonal BN-Encapsulated Graphene with a Transverse Electric Field. Physical Review Letters, 2014, 113, 086602.	7.8	182
31	ZnO UV photodetector with controllable quality factor and photosensitivity. AIP Advances, 2013, 3, .	1.3	19
32	Quantum Hall transport as a probe of capacitance profile at graphene edges. Applied Physics Letters, 2013, 102, .	3.3	21
33	From quantum confinement to quantum Hall effect in graphene nanostructures. Physical Review B, 2012, 85, .	3.2	11
34	Contact-induced spin relaxation in Hanle spin precession measurements. Physical Review B, 2012, 86, .	3.2	82
35	Long-distance spin transport in high-mobility graphene on hexagonal boron nitride. Physical Review B, 2012, 86, .	3.2	189
36	Spin Transport in High-Quality Suspended Graphene Devices. Nano Letters, 2012, 12, 3512-3517.	9.1	145

#	Article	IF	Citations
37	Comparison between charge and spin transport in few-layer graphene. Physical Review B, 2011, 83, .	3.2	76
38	Quantized conductance of a suspended graphene nanoconstriction. Nature Physics, 2011, 7, 697-700.	16.7	143
39	Roomâ€Temperature Compressionâ€Induced Diamondization of Fewâ€Layer Graphene. Advanced Materials, 2011, 23, 3014-3017.	21.0	124
40	Group-theory analysis of electrons and phonons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-layer graphene systems. Physical Review B, 2009, 79, .	3.2	154