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List of Publications by Year
in descending order

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40 papers	456 citations	759055 12 h-index	713332 21 g-index
40 all docs	40 docs citations	40 times ranked	496 citing authors

#	Article	IF	Citations
1	Out-of-equilibrium spin polarization in magnetic two-dimensional electron gas with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e989" altimg="si4.svg"><mml:mi>k</mml:mi></mml:math>-linear and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e994" altimg="si4.svg"><mml:mi>k</mml:mi></mml:math>-cubed Dresselhaus spinâ€“orbit interaction. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 135, 114961.	1.3	4
2	Bilinear magnetoresistance in topological insulators: The role of spinâ€“orbit scattering on impurities. Journal of Magnetism and Magnetic Materials, 2022, 545, 168698.	1.0	1
3	Spin valve effect in two-dimensional VSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e140" altimg="si14.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> system. Journal of Magnetism and Magnetic Materials, 2022, 548, 168921.	1.0	5
4	First Principle Study on Electronic and Transport Properties of Finite-Length Nanoribbons and Nanodiscs for Selected Two-Dimensional Materials. Molecules, 2022, 27, 2228.	1.7	2
5	Bilinear magnetoresistance in topological insulators: Role of magnetic disorder. Journal of Magnetism and Magnetic Materials, 2022, 552, 169167.	1.0	1
6	Electronic and magnetic properties of silicene monolayer under bi-axial mechanical strain: First principles study. Journal of Magnetism and Magnetic Materials, 2022, 554, 169260.	1.0	2
7	Graphene with Rashba spin-orbit interaction and coupling to a magnetic layer: Electron states localized at the domain wall. Physical Review B, 2021, 104, .	1.1	3
8	Anomalous Hall and Nernst effects in a two-dimensional electron gas with an anisotropic cubic Rashba spin-orbit interaction. Journal of Magnetism and Magnetic Materials, 2020, 497, 165919.	1.0	1
9	Highly Tunable Spin-Orbit Torque and Anisotropic Magnetoresistance in a Topological Insulator Thin Film Attached to Ferromagnetic Layer. Physical Review Letters, 2020, 125, 196801.	2.9	10
10	Spin-Momentum-Locking Inhomogeneities as a Source of Bilinear Magnetoresistance in Topological Insulators. Physical Review Letters, 2020, 124, 046802.	2.9	36
11	Determining the Rashba parameter from the bilinear magnetoresistance response in a two-dimensional electron gas. Physical Review Materials, 2020, 4, .	0.9	34
12	Conduction of surface electrons in a topological insulator with spatially random magnetization. Physical Review B, 2019, 100, .	1.1	6
13	Anomalous Hall and Nernst Effects in 2D Systems: Role of Cubic Rashba Spinâ€“Orbit Coupling. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800232.	1.2	2
14	Thermally induced spin polarization in a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. Physical Review B, 2018, 98, .	1.1	11
15	Current-induced spin polarization in the isotropic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math> -cubed Rashba model: Theoretical study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -doped semiconductor heterostructures and perovskite-oxide interfaces. Physical Review B, 2018, 97, .	1.1	6
16	Charge and spin conductivity of a two-dimensional electron gas with a random Rashba interaction. Physical Review B, 2018, 97, .	1.1	7
17	Temperature Dependence of Spin Hall Effect in k-Cubed Rashba Model. Acta Physica Polonica A, 2018, 133, 558-560.	0.2	0
18	Anomalous, spin, and valley Hall effects in graphene deposited on ferromagnetic substrates. 2D Materials, 2017, 4, 034003.	2.0	36

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19	Current-induced spin polarization of a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. Physical Review B, 2017, 95, .	1.1	13
20	Spin Hall and spin Nernst effects in a two-dimensional electron gas with Rashba spin-orbit interaction: Temperature dependence. Physical Review B, 2016, 94, .	1.1	20
21	Spin-resolved orbital magnetization in Rashba two-dimensional electron gas. Physical Review B, 2016, 94, .	1.1	11
22	ELECTRICAL AND THERMAL CONTROL OF MAGNETIC MOMENTS. , 2015, , .		0
23	Current-induced spin polarization and spin-orbit torque in graphene. Physical Review B, 2015, 92, .	1.1	28
24	Thermal spin polarization in bidimensional systems. , 2015, , 545-568.		2
25	Spin Hall Conductivity of a Two-Dimensional Electron Gas with Random Rashba Field. Acta Physica Polonica A, 2015, 127, 499-501.	0.2	3
26	Thermoelectric effect enhanced by resonant states in graphene. Physical Review B, 2015, 91, .	1.1	12
27	Spin Hall effect in AA-stacked bilayer graphene. Solid State Communications, 2014, 188, 27-31.	0.9	11
28	Current-induced spin polarization in graphene due to Rashba spin-orbit interaction. Physical Review B, 2014, 89, .	1.1	28
29	Thermally induced spin polarization of a two-dimensional electron gas. Physical Review B, 2013, 87, .	1.1	29
30	Spin Hall effect in graphene due to random Rashba field. Physical Review B, 2012, 86, .	1.1	12
31	Spin Hall and Spin Nernst Effects Due to Intrinsic Spin-Orbit Coupling in Monolayer and Bilayer Graphene. Journal of Nanoscience and Nanotechnology, 2012, 12, 9051-9057.	0.9	2
32	Intrinsic spin Hall effect in silicene: transition from spin Hall to normal insulator. Physica Status Solidi - Rapid Research Letters, 2012, 6, 340-342.	1.2	51
33	Intrinsic contribution to spin Hall and spin Nernst effects in a bilayer graphene. Journal of Physics Condensed Matter, 2012, 24, 275302.	0.7	15
34	Intrinsic Spin Hall and Spin Nernst Effects in Single-Layer Graphene: Tight-Binding vs. Effective Model. Acta Physica Polonica A, 2012, 121, 1198-1200.	0.2	1
35	Spin Hall Effect in a Two-Dimensional Electron Gas with Constant Dresselhaus and Random Rashba Spin-Orbit Interactions. Acta Physica Polonica A, 2012, 122, 1016-1018.	0.2	1
36	Spin Hall Effect in a Two-Dimensional Electron Gas with Strong Rashba Spin-Orbit Interaction: Semiclassical Keldysh Approach. Acta Physica Polonica A, 2012, 122, 1059-1061.	0.2	0

#	Article	IF	Citations
37	Spin Hall effect in a system of Dirac fermions in the honeycomb lattice with intrinsic and Rashba spin-orbit interaction. Physical Review B, 2009, 80, .	1.1	34
38	Spin Hall effect in IV-VI semiconductors. Europhysics Letters, 2009, 85, 67004.	0.7	5
39	Anomalous Hall Effect in IV-VI Semiconductors. Acta Physica Polonica A, 2009, 115, 287-289.	0.2	4
40	Anomalous Hall effect in IV-VI magnetic semiconductors. Physical Review B, 2008, 78, .	1.1	7