

Anna DyrdaÅ,

List of Publications by Year in descending order

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papers

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citations

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40
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic spin Hall effect in silicene: transition from spin Hall to normal insulator. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 340-342.	1.2	51
2	Anomalous, spin, and valley Hall effects in graphene deposited on ferromagnetic substrates. <i>2D Materials</i> , 2017, 4, 034003.	2.0	36
3	Spin-Momentum-Locking Inhomogeneities as a Source of Bilinear Magnetoresistance in Topological Insulators. <i>Physical Review Letters</i> , 2020, 124, 046802.	2.9	36
4	Spin Hall effect in a system of Dirac fermions in the honeycomb lattice with intrinsic and Rashba spin-orbit interaction. <i>Physical Review B</i> , 2009, 80, .	1.1	34
5	Determining the Rashba parameter from the bilinear magnetoresistance response in a two-dimensional electron gas. <i>Physical Review Materials</i> , 2020, 4, .	0.9	34
6	Thermally induced spin polarization of a two-dimensional electron gas. <i>Physical Review B</i> , 2013, 87, .	1.1	29
7	Current-induced spin polarization in graphene due to Rashba spin-orbit interaction. <i>Physical Review B</i> , 2014, 89, .	1.1	28
8	Current-induced spin polarization and spin-orbit torque in graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	28
9	Spin Hall and spin Nernst effects in a two-dimensional electron gas with Rashba spin-orbit interaction: Temperature dependence. <i>Physical Review B</i> , 2016, 94, .	1.1	20
10	Intrinsic contribution to spin Hall and spin Nernst effects in a bilayer graphene. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 275302.	0.7	15
11	Current-induced spin polarization of a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. <i>Physical Review B</i> , 2017, 95, .	1.1	13
12	Spin Hall effect in graphene due to random Rashba field. <i>Physical Review B</i> , 2012, 86, .	1.1	12
13	Thermoelectric effect enhanced by resonant states in graphene. <i>Physical Review B</i> , 2015, 91, .	1.1	12
14	Spin Hall effect in AA-stacked bilayer graphene. <i>Solid State Communications</i> , 2014, 188, 27-31.	0.9	11
15	Spin-resolved orbital magnetization in Rashba two-dimensional electron gas. <i>Physical Review B</i> , 2016, 94, .	1.1	11
16	Thermally induced spin polarization in a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. <i>Physical Review B</i> , 2018, 98, .	1.1	11
17	Highly Tunable Spin-Orbit Torque and Anisotropic Magnetoresistance in a Topological Insulator Thin Film Attached to Ferromagnetic Layer. <i>Physical Review Letters</i> , 2020, 125, 196801.	2.9	10
18	Anomalous Hall effect in IV-VI magnetic semiconductors. <i>Physical Review B</i> , 2008, 78, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Charge and spin conductivity of a two-dimensional electron gas with a random Rashba interaction. Physical Review B, 2018, 97, .	1.1	7
20	Current-induced spin polarization in the isotropic k^3 -cubed Rashba model: Theoretical study of p -doped semiconductor heterostructures and perovskite-oxide interfaces. Physical Review B, 2018, 97, .	1.1	6
21	Conduction of surface electrons in a topological insulator with spatially random magnetization. Physical Review B, 2019, 100, .	1.1	6
22	Spin Hall effect in IV-VI semiconductors. Europhysics Letters, 2009, 85, 67004.	0.7	5
23	Spin valve effect in two-dimensional VSe 2×2 system. Journal of Non-equilibrium spin polarization in magnetic two-dimensional electron gas with k -linear and k^3 -cubed Dresselhaus spin-orbit interaction. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 135, 114961.	1.0	5
24	Anomalous Hall Effect in IV-VI Semiconductors. Acta Physica Polonica A, 2009, 115, 287-289.	1.3	4
25	Spin Hall Conductivity of a Two-Dimensional Electron Gas with Random Rashba Field. Acta Physica Polonica A, 2015, 127, 499-501.	0.2	4
26	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
27	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
28	Thermal spin polarization in bidimensional systems. , 2015, , 545-568.		2
29	Anomalous Hall and Nernst Effects in 2D Systems: Role of Cubic Rashba Spin-Orbit Coupling. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800232.	1.2	2
30	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
31	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
32	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
33	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
34	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
35	Bilinear magnetoresistance in topological insulators: The role of spin-orbit scattering on impurities. Journal of Magnetism and Magnetic Materials, 2022, 545, 168698.	1.0	1

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37	Bilinear magnetoresistance in topological insulators: Role of magnetic disorder. Journal of Magnetism and Magnetic Materials, 2022, 552, 169167.	1.0	1
38	ELECTRICAL AND THERMAL CONTROL OF MAGNETIC MOMENTS. , 2015, , .		0
39	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
40	Temperature Dependence of Spin Hall Effect in k-Cubed Rashba Model. Acta Physica Polonica A, 2018, 133, 558-560.	0.2	0