

Konstantin Denisov

List of Publications by Year in descending order

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docs citations

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times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	General theory of the topological Hall effect in systems with chiral spin textures. Physical Review B, 2018, 98, .	1.1	44
2	Electron Scattering on a Magnetic Skyrmion in the Nonadiabatic Approximation. Physical Review Letters, 2016, 117, 027202.	2.9	42
3	A nontrivial crossover in topological Hall effect regimes. Scientific Reports, 2017, 7, 17204.	1.6	25
4	Colossal topological Hall effect at the transition between isolated and lattice-phase interfacial skyrmions. Nature Communications, 2021, 12, 2758.	5.8	21
5	Spin-dependent tunneling in semiconductor heterostructures with a magnetic layer. Physical Review B, 2015, 92, .	1.1	11
6	Hall effect driven by non-collinear magnetic polarons in diluted magnetic semiconductors. Applied Physics Letters, 2018, 112, .	1.5	9
7	Topological Hall effect for electron scattering on nanoscale skyrmions in external magnetic field. Physical Review B, 2018, 98, .	1.1	8
8	Topological and Chiral Spin Hall Effects. Physica Status Solidi (B): Basic Research, 2019, 256, 1900033.	0.7	7
9	Singularities of the magnetization of a two-dimensional diluted magnetic semiconductor with strong spin-orbit interaction. JETP Letters, 2014, 99, 400-404.	0.4	5
10	Chiral spin ordering of electron gas in solids with broken time reversal symmetry. Scientific Reports, 2019, 9, 10817.	1.6	4
11	Theory of an electron asymmetric scattering on skyrmion textures in two-dimensional systems. Journal of Physics Condensed Matter, 2020, 32, 415302.	0.7	4
12	Spin-dependent tunneling recombination in heterostructures with a magnetic layer. Semiconductors, 2017, 51, 43-48.	0.2	3
13	Weak localization in systems with chiral spin textures and skyrmion crystals. Physical Review B, 2019, 100, .	1.1	2
14	Anisotropic magnetoresistance and memory effect in bulk systems with extended defects. Journal of Physics Condensed Matter, 2021, 33, 385802.	0.7	2
15	Fingerprints of the electron skew scattering on paramagnetic impurities in semiconductor systems. Applied Physics Letters, 2021, 118, 032105.	1.5	1
16	Topological Hall effect. , 2021, , 289-314.		1
17	Electric field effect on electron gas spins in two-dimensional magnets with strong spin-orbit coupling. Physical Review B, 2022, 105, .	1.1	0