

# Konstantin Denisov

## List of Publications by Year in descending order

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17  
papers

189  
citations

1307366

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h-index

1058333

14  
g-index

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17  
docs citations

17  
times ranked

232  
citing authors

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