

Dmitry V Fedorov

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

669
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Seebeck effect in nanomagnets. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 085801.	1.8	0
2	Quantum framework for describing retarded and nonretarded molecular interactions in external electric fields. <i>Physical Review Research</i> , 2022, 4, .	3.6	11
3	Four-Dimensional Scaling of Dipole Polarizability in Quantum Systems. <i>Physical Review Letters</i> , 2022, 128, 070602.	7.8	20
4	Molecular Interactions Induced by a Static Electric Field in Quantum Mechanics and Quantum Electrodynamics. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2197-2204.	4.6	6
5	Quantum-mechanical force balance between multipolar dispersion and Pauli repulsion in atomic van der Waals dimers. <i>Physical Review Research</i> , 2021, 3, .	3.6	9
6	Fine-Structure Constant Connects Electronic Polarizability and Geometric van-der-Waals Radius of Atoms. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9488-9492.	4.6	15
7	Impact of crystalline anisotropy on the extrinsic spin Hall effect in ultrathin films. <i>Physical Review B</i> , 2020, 102, .	3.2	0
8	Spin and charge currents induced by the spin Hall and anomalous Hall effects upon crossing ferromagnetic/nonmagnetic interfaces. <i>Physical Review B</i> , 2019, 99, .	3.2	8
9	Quantum-Mechanical Relation between Atomic Dipole Polarizability and the van der Waals Radius. <i>Physical Review Letters</i> , 2018, 121, 183401.	7.8	40
10	Nonlocal anomalous Hall effect in ternary alloys based on noble metals. <i>Physical Review B</i> , 2016, 94, .	3.2	3
11	Separation of the individual contributions to the spin Hall effect in dilute alloys within the first-principles Kubo-StÅmeda approach. <i>Physical Review B</i> , 2015, 92, .	3.2	19
12	Spin Hall effect in two-dimensional systems within the relativistic phase shift model. <i>Physical Review B</i> , 2015, 92, .	3.2	0
13	Colossal spin Hall effect in ultrathin metallic films. <i>Physical Review B</i> , 2014, 90, .	3.2	6
14	Skew scattering in dilute ferromagnetic alloys. <i>Physical Review B</i> , 2014, 90, .	3.2	44
15	Analysis of the giant spin Hall effect in Cu(Bi) alloys. <i>Physical Review B</i> , 2013, 88, .	3.2	29
16	Impact of Electron-Impurity Scattering on the Spin Relaxation Time in Graphene: A First-Principles Study. <i>Physical Review Letters</i> , 2013, 110, 156602.	7.8	40
17	Spin Hall and spin Nernst effect in dilute ternary alloys. <i>Physical Review B</i> , 2013, 87, .	3.2	17
18	Enhancement of the spin Hall angle by quantum confinement. <i>Physical Review B</i> , 2012, 85, .	3.2	12

#	ARTICLE	IF	CITATIONS
19	PERFECT ALLOYS FOR SPIN HALL CURRENT-INDUCED MAGNETIZATION SWITCHING. Spin, 2012, 02, 1250010.	1.3	18
20	Extrinsic and Intrinsic Contributions to the Spin Hall Effect of Alloys. Physical Review Letters, 2011, 106, 056601.	7.8	98
21	Extrinsic Spin Hall Effect from First Principles. Physical Review Letters, 2010, 104, 186403.	7.8	125
22	Spin Hall angle versus spin diffusion length: Tailored by impurities. Physical Review B, 2010, 81, .	3.2	90
23	Spin polarization on Fermi surfaces of metals by the KKR method. Physical Review B, 2009, 80, .	3.2	59