

S BlÃ¼gel

List of Publications by Year in descending order

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568
papers

32,034
citations

4653

85
h-index

6831

155
g-index

588
all docs

588
docs citations

588
times ranked

19902
citing authors

#	ARTICLE	IF	CITATIONS
19	Off-axis electron holography of Néel-type skyrmions in multilayers of heavy metals and ferromagnets. Ultramicroscopy, 2021, 220, 113155.	0.8	9
20	Spin waves in the collinear antiferromagnetic phase of Mn_2Sb . Physical Review B, 2021, 103, .		
21	The AiiDA-KKR plugin and its application to high-throughput impurity embedding into a topological insulator. Npj Computational Materials, 2021, 7, .	3.5	11
22	Short period magnetization texture of B20-MnGe explained by thermally fluctuating local moments. Physical Review B, 2021, 103, .	1.1	18
23	Laser-induced torques in spin spirals. Physical Review B, 2021, 103, .	1.1	2
24	Charge and spin photocurrents in the Rashba model. Physical Review B, 2021, 103, .	1.1	8
25	Tailoring the anomalous Hall effect of SrRuO ₃ thin films by strain: A first principles study. Journal of Applied Physics, 2021, 129, 093904.	1.1	5
26	Orbital Rashba effect in a surface-oxidized Cu film. Physical Review B, 2021, 103, .	1.1	47
27	Solution to the Modified Helmholtz Equation for Arbitrary Periodic Charge Densities. Frontiers in Physics, 2021, 8, .	1.0	3
28	Strength of effective Coulomb interaction in two-dimensional transition-metal halides MX_2 and MX_3 . Physical Review B, 2021, 103, .		

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37	Micromagnetic description of twisted spin spirals in the B20 chiral magnet FeGe from first principles. Physical Review B, 2021, 104, .	1.1	5
38	Ordering of Oxygen Vacancies and Related Ferroelectric Properties in HfO_2 . Physical Review Letters, 2021, 127, 087602.	2.9	31
39	Effect of magnons on the temperature dependence and anisotropy of spin-orbit torque. Physical Review B, 2021, 104, .	1.1	2
40	Magnetic skyrmion braids. Nature Communications, 2021, 12, 5316.	5.8	22
41	Topological magnon insulators in two-dimensional van der Waals ferromagnets CrSiTe_3 and CrGeTe_3 : Toward intrinsic gap-tunability. Science Advances, 2021, 7, eabi7532.	4.7	56
42	Z_2 topology of bismuth. Physical Review Materials, 2021, 5, .	0.9	11
43	Spin-polarized quantized electronic structure of Fe(001) with symmetry breaking due to the magnetization direction. Physical Review B, 2021, 103, .	1.1	7
44	KKRnano: Quantum Description of Skyrmions in Chiral B20 Magnets. , 2021, , 191-205.		0
45	Ab Initio Theory of Fourier-Transformed Quasiparticle Interference Maps and Application to the Topological Insulator Bi_2Te_3 . Physica Status Solidi (B): Basic Research, 2021, 258, 2000031.	0.7	8
46	Geometry and symmetry in skyrmion dynamics. Physical Review B, 2021, 104, .	1.1	14
47	Electron-plasmon and electron-magnon scattering in ferromagnets from first principles by combining GW and GT self-energies. Npj Computational Materials, 2021, 7, .	3.5	10
48	Topological properties and self-energy effects in elemental Yb. Physical Review B, 2021, 104, .	1.1	0
49	Skyrmion-Antiskyrmion Racetrack Memory in Rank-One DMI Materials. Frontiers in Physics, 2021, 9, .	1.0	10
50	Photocurrents of charge and spin in monolayer Fe_3N . Physical Review B, 2021, 104, .	1.1	1
51	Heisenberg representation of nonthermal ultrafast laser excitation of magnetic precessions. Physical Review B, 2021, 104, .	1.1	1
52	Wannier90 as a community code: new features and applications. Journal of Physics Condensed Matter, 2020, 32, 165902.	0.7	807
53	Strong spin-orbit torque effect on magnetic defects due to topological surface state electrons in Bi_2Te_3 . Physical Review B, 2020, 102, .	1.1	3
54	Discovery of Real-Space Topological Ferroelectricity in Metallic Transition Metal Phosphides. Advanced Materials, 2020, 32, e2003479.	11.1	13

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73	Topological magneto-optical effects and their quantization in noncoplanar antiferromagnets. Nature Communications, 2020, 11, 118.	5.8	51
74	Topological "chiral magnetic interactions driven by emergent orbital magnetism. Nature Communications, 2020, 11, 511.	5.8	104
75	Electric dipole moment as descriptor for interfacial Dzyaloshinskii-Moriya interaction. Physical Review Materials, 2020, 4, .	0.9	22
76	Giant anomalous Nernst effect in noncollinear antiferromagnetic Mn-based antiperovskite nitrides. Physical Review Materials, 2020, 4, .	0.9	24
77	Material systems for FM-/AFM-coupled skyrmions in Co/Pt-based multilayers. Physical Review Materials, 2020, 4, .	0.9	13
78	Theory of current-induced angular momentum transfer dynamics in spin-orbit coupled systems. Physical Review Research, 2020, 2, .	1.3	65
79	Many-Body Spin Excitations in Ferromagnets from First Principles. , 2020, , 1-39.		1
80	Magnetic Surfaces, Thin Films and Nanostructures. Springer Handbooks, 2020, , 625-698.	0.3	3
81	Effective mass enhancement and ultrafast electron dynamics of Au(111) surface state coupled to a quantum well. Physical Review Research, 2020, 2, .	1.3	1
82	Deriving spin models from density functional theory: challenges and limitations. , 2020, , .		0
83	<i>Ab initio</i> phase diagrams of HfO, ZrO and YâO: a comparative study. Faraday Discussions, 2019, 213, 321-337.	1.6	27
84	Mixed topological semimetals driven by orbital complexity in two-dimensional ferromagnets. Nature Communications, 2019, 10, 3179.	5.8	43
85	Proposal for Reconfigurable Magnetic Tunnel Diode and Transistor. ACS Applied Electronic Materials, 2019, 1, 1552-1559.	2.0	25
86	Electron-magnon scattering in elementary ferromagnets from first principles: Lifetime broadening and band anomalies. Physical Review B, 2019, 100, .	1.1	22
87	Complex magnetism of B20-MnGe: from spin-spirals, hedgehogs to monopoles. Journal of Physics Condensed Matter, 2019, 31, 485801.	0.7	12
88	Electronic Structure of Oxygen-Deficient SrTiO3 and Sr2TiO4. Crystals, 2019, 9, 580.	1.0	16
89	Many-body corrected tight-binding Hamiltonians for an accurate quasiparticle description of topological insulators of the Bi_2Te_3 family. Physical Review B, 2019, 100, 115407.	1.1	17
90	First-principles calculation of the effective on-site Coulomb interaction parameters for AB_2O_6 compounds. Physical Review B, 2019, 100, 115111.	1.1	17

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91	Unoccupied surface and interface states in Pd thin films deposited on Fe/Ir(111) surface. New Journal of Physics, 2019, 21, 063015.	1.2	4
92	Indirect chiral magnetic exchange through Dzyaloshinskii-Moriya-enhanced RKKY interactions in manganese oxide chains on Ir(100). Nature Communications, 2019, 10, 2610.	5.8	22
93	Comparison of first-principles methods to extract magnetic parameters in ultrathin films: Co/Pt(111). Physical Review B, 2019, 99, .	1.1	39
94	<i>Spirit</i> : Multifunctional framework for atomistic spin simulations. Physical Review B, 2019, 99, .	1.1	112
95	Spin-order dependent anomalous Hall effect and magneto-optical effect in the noncollinear antiferromagnets Mn_3N with X (X = Zn, Ag, or Ni). Physical Review B, 2019, 99, .	1.1	55
96	Distinct magnetotransport and orbital fingerprints of chiral bobbers. Physical Review B, 2019, 99, .	1.1	22
97	Kink far below the Fermi level reveals new electron-magnon scattering channel in Fe. Nature Communications, 2019, 10, 505.	5.8	16
98	Spin Excitations in Solid from Many-Body Perturbation Theory. , 2019, , 1-39.		1
99	<i>Ab initio</i> analysis of magnetic properties of the prototype B20 chiral magnet FeGe. Physical Review B, 2019, 100, .	1.1	18
100	Spin caloric transport from density-functional theory. Journal Physics D: Applied Physics, 2019, 52, 073001.	1.3	13
101	Lifetime and surface-to-bulk scattering off vacancies of the topological surface state in the three-dimensional strong topological insulators Bi ₂ Te ₃ and Bi ₂ Se ₃ . Journal of Physics and Chemistry of Solids, 2019, 128, 258-264.	1.9	8
102	<i>Ab initio</i> study of magnetic nanopatterning of a hybrid transition metal dichalcogenides/Ir(111) system via magnetic clusters. Physical Review Materials, 2019, 3, .	0.9	4
103	Corrugated graphene exposes the limits of a widely used <i>ab initio</i> van der Waals DFT functional. Physical Review Materials, 2019, 3, .	0.9	2
104	Higher-dimensional Wannier Interpolation for the Modern Theory of the Dzyaloshinskii-Moriya Interaction: Application to Co-based Trilayers. Journal of the Physical Society of Japan, 2018, 87, 041010.	0.7	12
105	Lifetime of racetrack skyrmions. Scientific Reports, 2018, 8, 3433.	1.6	127
106	Experimental observation of chiral magnetic bobbers in B20-type FeGe. Nature Nanotechnology, 2018, 13, 451-455.	15.6	243
107	Universal scattering response across the type-II Weyl semimetal phase diagram. Physical Review B, 2018, 97, .	1.1	17
108	Topological interface states in the natural heterostructure (PbSe) Mn_5 (X) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td X Ga Zn Ag or Ni . Physical Review B, 2018, 97, .	1.1	9

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109	Improvement of accuracy in the wave-function-matching method for transport calculations. Physical Review B, 2018, 97, .	1.1	8
110	Spin Excitations in Solid from Many-Body Perturbation Theory. , 2018, , 1-39.		1
111	Screening of long-range Coulomb interaction in graphene nanoribbons: Armchair versus zigzag edges. Physical Review B, 2018, 98, .	1.1	12
112	Complex band structure calculations based on the overbridging boundary matching method without using Green's functions. Physical Review B, 2018, 98, .	1.1	4
113	Duplication, Collapse, and Escape of Magnetic Skyrmions Revealed Using a Systematic Saddle Point Search Method. Physical Review Letters, 2018, 121, 197202.	2.9	36
114	Towards microscopic control of the magnetic exchange coupling at the surface of a topological insulator. JPhys Materials, 2018, 1, 015002.	1.8	18
115	Anomalous behavior of the electronic structure of $Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td$ across the quantum phase transition from topological to triv. Physical Review B, 2018, 98, .	1.1	16
116	Dzyaloshinskii-Moriya interaction at disordered interfaces from <i>ab initio</i> theory: Robustness against intermixing and tunability through dusting. Applied Physics Letters, 2018, 113, .	1.5	42
117	Hybrid quantum anomalous Hall effect at graphene-oxide interfaces. Physical Review B, 2018, 98, .	1.1	10
118	Engineering chiral and topological orbital magnetism of domain walls and skyrmions. Communications Physics, 2018, 1, .	2.0	29
119	Impurity-induced orbital magnetization in a Rashba electron gas. Physical Review B, 2018, 98, .	1.1	4
120	Spin-Resolved Electronic Response to the Phase Transition in $MoTe$ Physical Review Letters, 2018, 121, 156401.	2.9	21
121	Universality of defect-skyrmion interaction profiles. Nature Communications, 2018, 9, 4395.	5.8	53
122	First-principles investigation of chiral magnetic properties in multilayers: Rh/Co/Pt and Pd/Co/Pt. Physical Review B, 2018, 98, .	1.1	32
123	Magnetic Ground State Stabilized by Three-Site Interactions: Fe/Rh Physical Review Letters, 2018, 121, 156401.	2.9	38
124	Spin-orbit torques and tunable Dzyaloshinskii-Moriya interaction in Co/Cu/Co trilayers. Physical Review B, 2018, 98, .	1.1	11
125	Spin-fluctuation and spin-relaxation effects of single adatoms from first principles. Journal of Physics Condensed Matter, 2018, 30, 343002.	0.7	5
126	Interaction of Individual Skyrmions in a Nanostructured Cubic Chiral Magnet. Physical Review Letters, 2018, 120, 197203.	2.9	88

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127	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B2O ₃ films. Physical Review B, 2018, 97, .	1.0	1
128	Magnetic properties of transition metal dichalcogenides-Fe/Ir(111) interfaces from first principles. Physical Review Materials, 2018, 2, .	0.9	4
129	Routes for increasing endurance and retention in HfO ₂ -based resistive switching memories. Physical Review Materials, 2018, 2, .	0.9	1
130	Chiral magnetism of magnetic adatoms generated by Rashba electrons. New Journal of Physics, 2017, 19, 023010.	1.2	18
131	Topological spin Hall effect in antiferromagnetic skyrmions. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700007.	1.2	47
132	Design of L21-type antiferromagnetic semiconducting full-Heusler compounds: A first principles DFT+GW study. Journal of Applied Physics, 2017, 121, 053903.	1.1	15
133	Semiconductor-Metal Transition and Quasiparticle Renormalization in Doped Graphene Nanoribbons. Advanced Electronic Materials, 2017, 3, 1600490.	2.6	33
134	Quantum interference effects in molecular spin hybrids. Physical Review B, 2017, 95, .	1.1	11
135	Strength of effective Coulomb interactions and origin of ferromagnetism in hydrogenated graphene. Physical Review B, 2017, 95, .	1.1	23
136	Robust dual topological character with spin-valley polarization in a monolayer of the Dirac semimetal Na ₃ Bi. Physical Review B, 2017, 95, .	1.1	34
137	Magnetism in a graphene-4f ³ d hybrid system. Physical Review B, 2017, 95, .	1.1	22
138	Interplay of nematic and magnetic orders in FeSe under pressure. Physical Review B, 2017, 95, .	1.1	30
139	BiTe1 is a dual topological insulator. Nature Communications, 2017, 8, 14976.	5.8	66
140	Prototypical topological orbital ferromagnet \hat{I}^3 -FeMn. Scientific Reports, 2017, 7, 41078.	1.6	36
141	Interface-driven formation of a two-dimensional dodecagonal fullerene quasicrystal. Nature Communications, 2017, 8, 15367.	5.8	16
142	Self-energy matrices for electron transport calculations within the real-space finite-difference formalism. Physical Review E, 2017, 95, 033309.	0.8	5
143	Guided Molecular Assembly on a Locally Reactive 2D Material. Advanced Materials, 2017, 29, 1703929.	11.1	7
144	Geometrical contributions to the exchange constants: Free electrons with spin-orbit interaction. Physical Review B, 2017, 95, .	1.1	14

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163	Quasi 2D electronic states with high spin-polarization in centrosymmetric MoS2 bulk crystals. Scientific Reports, 2016, 6, 26197.	1.6	41
164	Switching of chiral magnetic skyrmions by picosecond magnetic field pulses via transient topological states. Scientific Reports, 2016, 6, 27146.	1.6	46
165	Spin-orbit and exchange effects in the 2DEG of BiAlO ₃ -based oxide heterostructures. Europhysics Letters, 2016, 115, 17006.	0.7	3
166	Hund's Rule-Driven Dzyaloshinskii-Moriya Interaction at d^3 Physical Review Letters, 2016, 117, 247202.	2.9	163
167	Chirality-driven orbital magnetic moments as a new probe for topological magnetic structures. Nature Communications, 2016, 7, 13613.	5.8	45
168	Fermi Surface Manipulation by External Magnetic Field Demonstrated for a Prototypical Ferromagnet. Physical Review X, 2016, 6, .	2.8	19
169	Evidence for spin-to-charge conversion by Rashba coupling in metallic states at the Fe/Ge(111) interface. Nature Communications, 2016, 7, 13857.	5.8	36
170	Oxygen-enabled control of Dzyaloshinskii-Moriya Interaction in ultra-thin magnetic films. Scientific Reports, 2016, 6, 24634.	1.6	74
171	The inverse thermal spin-orbit torque and the relation of the Dzyaloshinskii-Moriya interaction to ground-state energy currents. Journal of Physics Condensed Matter, 2016, 28, 316001.	0.7	14
172	Acoustic magnons in the long-wavelength limit: Investigating the Goldstone violation in many-body perturbation theory. Physical Review B, 2016, 94, .	1.1	28
173	Microscopic theory of the residual surface resistivity of Rashba electrons. Physical Review B, 2016, 94, .	1.1	5
174	Band gaps, ionization potentials, and electron affinities of periodic electron systems via the adiabatic-connection fluctuation-dissipation theorem. Physical Review B, 2016, 94, .	1.1	16
175	Superparamagnetism-induced mesoscopic electron focusing in topological insulators. Physical Review B, 2016, 94, .	1.1	12
176	Influence of complex disorder on skew-scattering Hall effects in L_1 FePt alloy. Physical Review B, 2016, 94, .	1.1	18
177	Strong spin-orbit fields and Dyakonov-Perel spin dephasing in supported metallic films. Physical Review B, 2016, 94, .	1.1	14
178	Role of Berry phase theory for describing orbital magnetism: From magnetic heterostructures to topological orbital ferromagnets. Physical Review B, 2016, 94, .	1.1	71
179	Asymmetric band gaps in a Rashba film system. Physical Review B, 2016, 93, .	1.1	19
180	Fermi surfaces, spin-mixing parameter, and colossal anisotropy of spin relaxation in transition metals from <i>ab initio</i> theory. Physical Review B, 2016, 93, .	1.1	21

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181	Giant spin Nernst effect induced by resonant scattering at surfaces of metallic films. Physical Review B, 2016, 93, .	1.1	6
182	Quasiparticle band structure of the almost-gapless transition-metal-based Heusler semiconductors. Physical Review B, 2016, 93, .	1.1	16
183	Exchange interactions of magnetic surfaces below two-dimensional materials. Physical Review B, 2016, 93, .	1.1	8
184	Spin-orbit torques and spin accumulation in FePt/Pt and Co/Cu thin films from first principles: The role of impurities. Physical Review B, 2016, 93, .	1.1	17
185	Correlation effects and orbital magnetism of Co clusters. Physical Review B, 2016, 93, .	1.1	12
186	Role of Dzyaloshinskii-Moriya interaction for magnetism in transition-metal chains at Pt step edges. Physical Review B, 2016, 94, .	1.1	52
187	Interlayer Exchange Coupling: A General Scheme Turning Chiral Magnets into Magnetic Multilayers Carrying Atomic-Scale Skyrmions. Physical Review Letters, 2016, 116, 177202.	2.9	62
188	Structure and Growth of Hexagonal Boron Nitride on Ir(111). ACS Nano, 2016, 10, 11012-11026.	7.3	93
189	Sub-molecular modulation of a 4f driven Kondo resonance by surface-induced asymmetry. Nature Communications, 2016, 7, 12785.	5.8	32
190	Engineering skyrmions in transition-metal multilayers for spintronics. Nature Communications, 2016, 7, 11779.	5.8	109
191	Laser-induced torques in metallic ferromagnets. Physical Review B, 2016, 94, .	1.1	36
192	Surface Fermi arc connectivity in the type-II Weyl semimetal candidate WTe_2 . Physical Review B, 2016, 94, .	1.1	14
193	Approximations to the exact exchange potential: KLI versus semilocal. Physical Review B, 2016, 94, .	1.1	14
194	Spin-Hybrids: A Single-Molecule Approach to Spintronics. E-Journal of Surface Science and Nanotechnology, 2016, 14, 17-22.	0.1	11
195	Two-dimensional topological crystalline insulator phase in quantum wells of trivial insulators. 2D Materials, 2016, 3, 025037.	2.0	5
196	Zero-Point Spin-Fluctuations of Single Adatoms. Nano Letters, 2016, 16, 4305-4311.	4.5	21
197	New spiral state and skyrmion lattice in 3D model of chiral magnets. New Journal of Physics, 2016, 18, 045002.	1.2	75
198	Tuning the surface electronic structure of a $Pt_3Ti(111)$ electro catalyst. Nanoscale, 2016, 8, 13924-13933.	2.8	17

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199	Reproducibility in density functional theory calculations of solids. <i>Science</i> , 2016, 351, aad3000.	6.0	1,113
200	Femtosecond control of electric currents in metallic ferromagnetic heterostructures. <i>Nature Nanotechnology</i> , 2016, 11, 455-458.	15.6	182
201	Oxygen orders differently under graphene: new superstructures on Ir(111). <i>Nanoscale</i> , 2016, 8, 1932-1943.	2.8	25
202	Relativistic dynamical spin excitations of magnetic adatoms. <i>Physical Review B</i> , 2015, 91, .	1.1	35
203	Chemically functionalized magnetic exchange interactions of hybrid organic-ferromagnetic metal interfaces. <i>Physical Review B</i> , 2015, 91, .	1.1	39
204	First-principles calculations of exchange interactions, spin waves, and temperature dependence of magnetization in inverse-Heusler-based spin gapless semiconductors. <i>Physical Review B</i> , 2015, 91, .	1.1	61
205	Quasiparticle spectrum and plasmonic excitations in the topological insulator Sb_2Te_3 . <i>Physical Review B</i> , 2015, 91, .	1.1	12
206	Direct and inverse spin-orbit torques. <i>Physical Review B</i> , 2015, 92, .	1.1	73
207	Wannier function approach to realistic Coulomb interactions in layered materials and heterostructures. <i>Physical Review B</i> , 2015, 92, .	1.1	55
208	Systematic study of the exchange interactions in Gd-doped GaN containing N interstitials, O interstitials, or Ga vacancies. <i>Physical Review B</i> , 2015, 92, .	1.1	16
209	Molecular induced skyhook effect for magnetic interlayer softening. <i>Physical Review B</i> , 2015, 92, .	1.1	19
210	Precise all-electron dynamical response functions: Application to COHSEX and the RPA correlation energy. <i>Physical Review B</i> , 2015, 92, .	1.1	9
211	New Type of Stable Particlelike States in Chiral Magnets. <i>Physical Review Letters</i> , 2015, 115, 117201.	2.9	182
212	Spin transport and spin-caloric effects in (Cr,Zn)Te half-metallic nanostructures: Effect of spin disorder at elevated temperatures from first principles. <i>Physical Review B</i> , 2015, 91, .	1.1	6
213	Comparison between exact and semilocal exchange potentials: An all-electron study for solids. <i>Physical Review B</i> , 2015, 91, .	1.1	33
214	Tuning the van der Waals Interaction of Graphene with Molecules via Doping. <i>Physical Review Letters</i> , 2015, 115, 236101.	2.9	48
215	Higher-dimensional Wannier functions of multiparameter Hamiltonians. <i>Physical Review B</i> , 2015, 91, .	1.1	10
216	Realization of a vertical topological π -junction in epitaxial $\text{Sb}_2\text{Te}_3/\text{Bi}_2\text{Te}_3$ heterostructures. <i>Nature Communications</i> , 2015, 6, 8816.	5.8	85

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235	Conditions for spin-gapless semiconducting behavior in Mn ₂ CoAl inverse Heusler compound. Journal of Applied Physics, 2014, 115, .	1.1	72
236	Anomalous Hall effect in ferromagnets with Gaussian disorder. Physical Review B, 2014, 89, .	1.1	21
237	Berry phase theory of Dzyaloshinskii-Moriya interaction and spin-orbit torques. Journal of Physics Condensed Matter, 2014, 26, 104202.	0.7	121
238	Confinement of Dirac electrons in graphene quantum dots. Physical Review B, 2014, 89, .	1.1	36
239	Real-Space and Reciprocal-Space Berry Phases in the Hall Effect of $Mn_{1-x}Bi_x$. Physical Review Letters. 2014. 112. 186601.	2.9	105
240	Self-assembled monolayers of methylselenolate on the Au(111) surface: A combined STM and DFT study. Surface Science, 2014, 619, 67-70.	0.8	4
241	Long-range magnetic coupling between nanoscale organic-metal hybrids mediated by a nanoskyrmion lattice. Nature Nanotechnology, 2014, 9, 1018-1023.	15.6	44
242	Spin-orbit torques in Co/Pt(111) and Mn/W(001) magnetic bilayers from first principles. Physical Review B, 2014, 90, .	1.1	164
243	Bulk band structure of Bi_2Te_3 . Physical Review B, 2014, 90, .	1.1	60
244	Effect of magnetism and light sp-dopants on chain creation in Ir and Pt break junctions. Journal of Physics Condensed Matter, 2014, 26, 295302.	0.7	0
245	Dzyaloshinskii-Moriya interaction and chiral magnetism in Mn_3Cd chains: Tight-binding model and <i>ab initio</i> calculations. Physical Review B, 2014, 90, .	0.7	0
246	Spin relaxation and spin Hall transport in Mn_5Cd transition-metal ultrathin films. Physical Review B, 2014, 90, .	0.7	0
247	Real-space finite-difference calculation method of generalized Bloch wave functions and complex band structures with reduced computational cost. Physical Review E, 2014, 90, 013306.	0.8	10
248	Voids-driven breakdown of the local-symmetry and Slater-Pauling rule in half-metallic Heusler compounds. Physical Review B, 2014, 90, .	1.1	22
249	Local tunnel magnetoresistance of an iron intercalated graphene-based heterostructure. Journal of Physics Condensed Matter, 2014, 26, 394004.	0.7	18
250	Spin-caloric transport properties of cobalt nanostructures: Spin disorder effects from first principles. Physical Review B, 2014, 89, .	1.1	10
251	Charge and orbital order at head-to-head domain walls in $PbTiO_3$. Physical Review B. 2014. 90. .	1.1	18
252	First-principles insights into the electronic and magnetic structure of hybrid organic-metal interfaces. Journal of Physics Condensed Matter, 2014, 26, 263001.	0.7	10

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253	Symmetry and magnitude of spin-orbit torques in ferromagnetic heterostructures. Nature Nanotechnology, 2013, 8, 587-593.	15.6	955
254	Spin relaxation and the Elliott-Yafet parameter in W(001) ultrathin films: Surface states, anisotropy, and oscillation effects. Physical Review B, 2013, 87, .	1.1	8
255	Tuning the Curie temperature of FeCo compounds by tetragonal distortion. Applied Physics Letters, 2013, 103, .	1.5	19
256	Magnetic Hardening Induced by Nonmagnetic Organic Molecules. Physical Review Letters, 2013, 111, 106805.	2.9	89
257	Non-Fermi-Liquid Behavior in Transport Through Co-Doped Au Chains. Physical Review Letters, 2013, 110, 196402.	2.9	16
258	First-principles studies of FeS using many-body perturbation theory in the G_2W_0 Physical Review B, 2013, 88, .	1.1	22
259	Elimination of the linearization error and improved basis-set convergence within the FLAPW method. Computer Physics Communications, 2013, 184, 2670-2679.	3.0	25
260	The Backside of Graphene: Manipulating Adsorption by Intercalation. Nano Letters, 2013, 13, 5013-5019.	4.5	74
261	Spin-orbit coupling in quasiparticle studies of topological insulators. Physical Review B, 2013, 88, .	1.1	45
262	Study of topological insulators Bi_2Se_3 Physical Review B, 2013, 88, .	1.1	85
263	Accessing 4f-states in single-molecule spintronics. Nature Communications, 2013, 4, 2425.	5.8	71
264	Hybridisation at the organic-metal interface: a surface-scientific analogue of Hückel's rule?. Chemical Communications, 2013, 49, 5993.	2.2	15
265	Atomic-scale magnetism of cobalt-intercalated graphene. Physical Review B, 2013, 87, .	1.1	138
266	Absence of Edge States in Covalently Bonded Zigzag Edges of Graphene on Ir(111). Advanced Materials, 2013, 25, 1967-1972.	11.1	42
267	Parity Effect in the Ground state Localization of Antiferromagnetic Chains Coupled to a Ferromagnet. Physical Review Letters, 2013, 110, 157206.	2.9	31
268	Ab initio calculation of the effective on-site Coulomb interaction parameters for half-metallic magnets. Physical Review B, 2013, 88, .	1.1	54
269	Spin-polarization limit in Bi_2Te_3 Dirac cone studied by angle- and spin-resolved photoemission experiments and ab initio calculations. Physical Review B, 2013, 87, .	1.1	35
270	Electronic structure, surface morphology, and topologically protected surface states of Sb ₂ Te ₃ thin films grown on Si(111). Journal of Applied Physics, 2013, 113, .	1.1	45

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271	Scattering-independent anomalous Nernst effect in ferromagnets. Physical Review B, 2013, 87, .	1.1	61
272	Interface-engineered templates for molecular spin memory devices. Nature, 2013, 493, 509-513.	13.7	401
273	Terahertz spin current pulses controlled by magnetic heterostructures. Nature Nanotechnology, 2013, 8, 256-260.	15.6	476
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