S BlÃ¼gel

List of Publications by Year
in descending order

		4641	6818
568	32,034	85	155
papers	citations	h-index	g-index

588	588	588	19902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theory of unidirectional magnetoresistance and nonlinear Hall effect. Journal of Physics Condensed Matter, 2022, 34, 055301.	0.7	2
2	Reply to â€œComment on â€˜Proper and improper chiral magnetic interactionsâ€™ â€• Physical Review B, 2022, 105, .	1.1	4
3	Spatial extent of the Dzyaloshinskii-Moriya interaction at metallic interfaces. Physical Review Materials, 2022, 6, .	0.9	10
4	The AiiDA-Spirit Plugin for Automated Spin-Dynamics Simulations and Multi-Scale Modeling Based on First-Principles Calculations. Frontiers in Materials, 2022, 9, .	1.2	2
5	Spin-orbit enabled all-electrical readout of chiral spin-textures. Nature Communications, 2022, 13, 1576.	5.8	9
6	Density functional Bogoliubov-de Gennes analysis of superconducting Nb and Nb(110) surfaces. Physical Review B, 2022, 105, .	1.1	8
7	Fast All-Electron Hybrid Functionals and Their Application to Rare-Earth Iron Garnets. Frontiers in Materials, 2022, 9, .	1.2	1
8	Fe(001) angle-resolved photoemission and intrinsic anomalous Hall conductivity in Fe seen by different ab initio approaches: LDA and GGA versus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="italic">GW</mml:mi></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	1.1	5
9	Complex magnetic structure and spin waves of the noncollinear antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>5</m Physical Review B, 2022, 105, .	1.1	1
10	Driving spin chirality by electron dynamics in laser-excited antiferromagnets. Communications Physics, 2022, 5, .	2.0	8
11	Magnetic domain walls of the van der Waals material Fe₃GeTe₂. 2D Materials, 2022, 9, 025022.	2.0	9
12	Bulk and surface electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi></mml:mrow></mml:m calculations and photoemission experiments. Physical Review Materials, 2022, 6, .	0.9	5
13	Fermi-Surface Origin of Skyrmion Lattices in Centrosymmetric Rare-Earth Intermetallics. Physical Review Letters, 2022, 128, 157206.	2.9	15
14	Is There a Polaron Signature in Angle-Resolved Photoemission of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CsPbBr</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn> ?. Physical Review Letters, 2022, 128, 176405.	2.9	11
15	Diversity of states in a chiral magnet nanocylinder. APL Materials, 2022, 10, .	2.2	2
16	Skyrmionâ€“antiskyrmion pair creation and annihilation in a cubic chiral magnet. Nature Physics, 2022, 18, 863-868.	6.5	17
17	Low-energy Se ion implantation in MoS2 monolayers. Npj 2D Materials and Applications, 2022, 6, .	3.9	11
18	Spin and orbital transport in rare-earth dichalcogenides: The case of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>EuS</mml:mi></mml:mrow><mml:mn>2</m Physical Review Materials, 2022, 6, .	0.9	5

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19	Off-axis electron holography of NÃ©el-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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2021, 103, .	1.1	6
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 SrRuO3 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn		

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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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>HfO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><m 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	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> 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 Fourierâ€Transformed Quasiparticle Interference Maps and Application to the Topological Insulator Bi 2 Te 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	Electronâ€“plasmon and electronâ€“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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2021, 104, .	1.1	4
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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2020, 102, .	1.1	3
54	Discovery of Realâ€Space Topological Ferroelectricity in Metallic Transition Metal Phosphides. Advanced Materials, 2020, 32, e2003479.	11.1	13

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55	Magnetic skyrmions, chiral kinks, and holomorphic functions. Physical Review B, 2020, 102, .	1.1	49
56	Magnetic properties of ultra-thin (Fe, Co) films coupled by Ir(001) spacers. Physica B: Condensed Matter, 2020, 596, 412395.	1.3	2
57	Spin-polarized electron transmission through B-doped graphene nanoribbons with Fe functionalization: a first-principles study. New Journal of Physics, 2020, 22, 063022.	1.2	2
58	Half-Metalâ€“Spin-Gapless-Semiconductor Junctions as a Route to the Ideal Diode. Physical Review Applied, 2020, 14, .	1.5	19
59	Large Dzyaloshinskii-Moriya interaction induced by chemisorbed oxygen on a ferromagnet surface. Science Advances, 2020, 6, eaba4924.	4.7	60
60	Non-local effect of impurity states on the exchange coupling mechanism in magnetic topological insulators. Npj Quantum Materials, 2020, 5, .	1.8	8
61	Dynamical and current-induced Dzyaloshinskii-Moriya interaction: Role for damping, gyromagnetism, and current-induced torques in noncollinear magnets. Physical Review B, 2020, 102, .	1.1	8
62	Imprinting and driving electronic orbital magnetism using magnons. Communications Physics, 2020, 3, .	2.0	11
63	Mixed topology ring states for Hall effect and orbital magnetism in skyrmions of Weyl semimetals. Physical Review B, 2020, 102, .	1.1	4
64	Kerker mixing scheme for self-consistent muffin-tin based all-electron electronic structure calculations. Physical Review B, 2020, 102, .	1.1	7
65	Se intercalation between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mi>m</mml:mi></mml:msub></mml:mrow></mml:math> and the Pt surface during synthesis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mi>m</mml:mi></mml:msub></mml:mrow></mml:math> by direct selenization of Pt(111). Physical Review B, 2020, 102, .	1.1	3
66	Coupled quasimonopoles in chiral magnets. Physical Review B, 2020, 101, .	1.1	27
67	Atomistic Perspective of Long Lifetimes of Small Skyrmions at Room Temperature. Physical Review Letters, 2020, 124, 247201.	2.9	24
68	Crystal Hall and crystal magneto-optical effect in thin films of SrRuO3. Journal of Applied Physics, 2020, 127, .	1.1	37
69	Plumbene on a Magnetic Substrate: A Combined Scanning Tunneling Microscopy and Density Functional Theory Study. Physical Review Letters, 2020, 124, 126401.	2.9	26
70	Many-Body Spin Excitations in Ferromagnets from First Principles. , 2020, , 919-956.		0
71	Chiral Hall Effect in Noncollinear Magnets from a Cyclic Cohomology Approach. Physical Review Letters, 2020, 124, 096602.	2.9	44
72	Systematic derivation of realistic spin models for beyond-Heisenberg solids. Physical Review B, 2020, 101, .	1.1	61

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73	Topological magneto-optical effects and their quantization in noncoplanar antiferromagnets. Nature Communications, 2020, 11, 118.	5.8	51
74	Topologicalâ€“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	Ab initio phase diagrams of Hfâ€“O, Zrâ€“O and Yâ€“O: 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></	1.1	17
90	First-principles calculation of the effective on-site Coulomb interaction parameters for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> AB <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mspace width="4pt"		

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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 Dzyaloshinskiiâ€“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	Spirit : 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:m mathvariant="normal">N</mml:mi></mml:mrow></mml:math> with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>X</mml:mi><mml:mo>=</mml:mo><mml:mi>Ga</mml:mi><mml:m , 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	Ab initio 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 Bi2Te3 and Bi2Se3. Journal of Physics and Chemistry of Solids, 2019, 128, 258-264.	1.9	8
102	Ab initio 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 ab initio van der Waals DFT functional. Physical Review Materials, 2019, 3, .	0.9	2
104	Higher-dimensional Wannier Interpolation for the Modern Theory of the Dzyaloshinskiiâ€“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) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (xmlns:mml="http://www /><mml:mn>6</mml:mn></mml:msub></mml:m. 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 (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (xmlns:mml="h 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 ab initio 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ 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: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Fe</mml:mi><mml:mo>/</mml:mo><mml:mi>Rh</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 167 Td (stretchy="fa	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 B20 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mm films. Physical Review B, 2018, 97, .	1.1	50
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129	Routes for increasing endurance and retention in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>HfO</mml:mi><mml:mn>2</mml:mn></mml:msub></mm -based resistive switching memories. Physical Review Materials, 2018, 2, .	0.9	13
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 ofL21-type antiferromagnetic semiconducting full-Heusler compounds: A first principles DFTâ€‰+â€‰GWstudy. Journal of Applied Physics, 2017, 121, 053903.	1.1	15
133	Semiconductorâ€toâ€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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mn>3</mml:mn></mml: Physical Review B, 2017, 95, .	1.1	34
137	Magnetism in a graphene- 4fâˆ’3d 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	Bi1Te1 is a dual topological insulator. Nature Communications, 2017, 8, 14976.	5.8	66
140	Prototypical topological orbital ferromagnet Î³-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
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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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145	A gateway towards non-collinear spin processing using three-atom magnets with strong substrate coupling. Nature Communications, 2017, 8, 642.	5.8	25
146	Chiral damping, chiral gyromagnetism, and current-induced torques in textured one-dimensional Rashba ferromagnets. Physical Review B, 2017, 96, .	1.1	16
147	Antiskyrmions stabilized at interfaces by anisotropic Dzyaloshinskii-Moriya interactions. Nature Communications, 2017, 8, 308.	5.8	182
148	Nonconventional screening of the Coulomb interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>y</mml:mi></mml:msub></mml:mrow></mml:math> clusters: An ab initio study. Physical Review B, 2017, 95, .	1.1	14
149	Direct Observation of the Band Gap Transition in Atomically Thin ReS₂. Nano Letters, 2017, 17, 5187-5192.	4.5	65
150	Creating anisotropic spin-split surface states in momentum space by molecular adsorption. Physical Review B, 2017, 96, .	1.1	6
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