S Blgel

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#	Paper	IF	Citations
550	Spontaneous atomic-scale magnetic skyrmion lattice in two dimensions. <i>Nature Physics</i> , 2011 , 7, 713-7	1816.2	1169
549	Reproducibility in density functional theory calculations of solids. <i>Science</i> , 2016 , 351, aad3000	33-3	784
548	Symmetry and magnitude of spin-orbit torques in ferromagnetic heterostructures. <i>Nature Nanotechnology</i> , 2013 , 8, 587-93	28.7	758
547	Chiral magnetic order at surfaces driven by inversion asymmetry. <i>Nature</i> , 2007 , 447, 190-3	50.4	688
546	Strong spin-orbit splitting on bi surfaces. <i>Physical Review Letters</i> , 2004 , 93, 046403	7.4	522
545	Ground States of Constrained Systems: Application to Cerium Impurities. <i>Physical Review Letters</i> , 1984 , 53, 2512-2515	7.4	488
544	Strength of effective Coulomb interactions in graphene and graphite. <i>Physical Review Letters</i> , 2011 , 106, 236805	7.4	369
543	Dzyaloshinskii-Moriya interaction accounting for the orientation of magnetic domains in ultrathin films: Fe/W(110). <i>Physical Review B</i> , 2008 , 78,	3.3	361
542	Interface-engineered templates for molecular spin memory devices. <i>Nature</i> , 2013 , 493, 509-13	50.4	334
541	Hyperfine fields of 3d and 4d impurities in nickel. <i>Physical Review B</i> , 1987 , 35, 3271-3283	3.3	308
540	Terahertz spin current pulses controlled by magnetic heterostructures. <i>Nature Nanotechnology</i> , 2013 , 8, 256-60	28.7	303
539	Real-space imaging of two-dimensional antiferromagnetism on the atomic scale. <i>Science</i> , 2000 , 288, 18	30 53 83	300
538	Unravelling the interplay of local structure and physical properties in phase-change materials. <i>Nature Materials</i> , 2006 , 5, 56-62	27	283
537	Design of the local spin polarization at the organic-ferromagnetic interface. <i>Physical Review Letters</i> , 2010 , 105, 066601	7.4	261
536	Electrically tunable quantum anomalous Hall effect in graphene decorated by 5d transition-metal adatoms. <i>Physical Review Letters</i> , 2012 , 108, 056802	7.4	246
535	Graphene on Ir(111): physisorption with chemical modulation. <i>Physical Review Letters</i> , 2011 , 107, 0361	01 _{7.4}	243
534	Spin- and energy-dependent tunneling through a single molecule with intramolecular spatial resolution. <i>Physical Review Letters</i> , 2010 , 105, 047204	7.4	240

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533	Wannier90 as a community code: new features and applications. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 165902	1.8	239	
532	Two-dimensional ferromagnetism of 3d, 4d, and 5d transition metal monolayers on noble metal (001) substrates. <i>Physical Review Letters</i> , 1992 , 68, 851-854	7.4	237	
531	Magnetic properties of 3d transition metal monolayers on metal substrates. <i>Applied Physics A: Solids and Surfaces</i> , 1989 , 49, 547-562		232	
530	Theory of Hyperfine Interactions in Metals. <i>Progress of Theoretical Physics Supplement</i> , 1990 , 101, 11-77	7	223	
529	Role of vacancies in metal-insulator transitions of crystalline phase-change materials. <i>Nature Materials</i> , 2012 , 11, 952-6	27	220	
528	Interfacing 2D and 3D topological insulators: Bi(111) bilayer on Bi2Te3. <i>Physical Review Letters</i> , 2011 , 107, 166801	7.4	216	
527	Ferromagnetism and antiferromagnetism of 3d-metal overlayers on metals. <i>Physical Review Letters</i> , 1988 , 60, 1077-1080	7.4	207	
526	Effective Coulomb interaction in transition metals from constrained random-phase approximation. <i>Physical Review B</i> , 2011 , 83,	3.3	203	
525	Strength and directionality of surface Rudermankittelkasuyallosida interaction mapped on the atomic scale. <i>Nature Physics</i> , 2010 , 6, 187-191	16.2	194	
524	Atomic-scale spin spiral with a unique rotational sense: Mn monolayer on W(001). <i>Physical Review Letters</i> , 2008 , 101, 027201	7.4	193	
523	Atom-by-atom engineering and magnetometry of tailored nanomagnets. <i>Nature Physics</i> , 2012 , 8, 497-5	03 6.2	177	
522	Magnetically driven buckling and stability of ordered surface alloys: Cu(100)c(2 x 2)Mn. <i>Physical Review Letters</i> , 1993 , 70, 3619-3622	7.4	173	
521	First-principles investigation of structural and electronic properties of ultrathin Bi films. <i>Physical Review B</i> , 2008 , 77,	3.3	165	
520	Efficient implementation of the GW approximation within the all-electron FLAPW method. <i>Physical Review B</i> , 2010 , 81,	3.3	155	
519	Electronic structure and magnetic properties of dilute Fe alloys with transition-metal impurities. <i>Physical Review B</i> , 1989 , 40, 8203-8212	3.3	155	
518	Rashba effect at magnetic metal surfaces. <i>Physical Review B</i> , 2005 , 71,	3.3	152	
517	Resolving complex atomic-scale spin structures by spin-polarized scanning tunneling microscopy. <i>Physical Review Letters</i> , 2001 , 86, 4132-5	7.4	151	
516	Experimental observation of chiral magnetic bobbers in B20-type FeGe. <i>Nature Nanotechnology</i> , 2018 , 13, 451-455	28.7	150	

515	Ab initio treatment of noncollinear magnets with the full-potential linearized augmented plane wave method. <i>Physical Review B</i> , 2004 , 69,	3.3	150
514	The Rashba-effect at metallic surfaces. Surface Science, 2006 , 600, 3888-3891	1.8	145
513	Role of spin in quasiparticle interference. <i>Physical Review Letters</i> , 2004 , 93, 196802	7.4	144
512	Enhanced Rashba spin-orbit splitting in BiAg(111) and PbAg(111) surface alloys from first principles. <i>Physical Review B</i> , 2007 , 75,	3.3	142
511	Femtosecond control of electric currents in metallic ferromagnetic heterostructures. <i>Nature Nanotechnology</i> , 2016 , 11, 455-8	28.7	137
510	Band convergence and linearization error correction of all-electron GW calculations: The extreme case of zinc oxide. <i>Physical Review B</i> , 2011 , 83,	3.3	137
509	New type of stable particlelike states in chiral magnets. <i>Physical Review Letters</i> , 2015 , 115, 117201	7.4	134
508	Spin-orbit torques in Co/Pt(111) and Mn/W(001) magnetic bilayers from first principles. <i>Physical Review B</i> , 2014 , 90,	3.3	132
507	Antiskyrmions stabilized at interfaces by anisotropic Dzyaloshinskii-Moriya interactions. <i>Nature Communications</i> , 2017 , 8, 308	17.4	131
506	Chemical versus van der Waals Interaction: the role of the heteroatom in the flat absorption of aromatic molecules C6H6, C5NH5, and C4N2H4 on the Cu(110) surface. <i>Physical Review Letters</i> , 2009 , 102, 136809	7.4	130
505	Atomic-scale magnetism of cobalt-intercalated graphene. <i>Physical Review B</i> , 2013 , 87,	3.3	127
504	Information transfer by vector spin chirality in finite magnetic chains. <i>Physical Review Letters</i> , 2012 , 108, 197204	7.4	125
503	Optimized structures and electronic properties of alkali-metal (Na, K) -adsorbed Si(001) surfaces. <i>Physical Review B</i> , 1992 , 45, 3469-3484	3.3	125
502	Total Energy Spectra of Complete Sets of Magnetic States for fcc-Fe Films on Cu(100). <i>Physical Review Letters</i> , 1997 , 79, 507-510	7.4	121
501	Revealing antiferromagnetic order of the Fe monolayer on W(001): spin-polarized scanning tunneling microscopy and first-principles calculations. <i>Physical Review Letters</i> , 2005 , 94, 087204	7.4	119
500	Ferromagnetism versus antiferromagnetism of the Cr(001) surface. <i>Physical Review B</i> , 1989 , 39, 1392-1	3 <i>9.</i> 4	115
499	Thermal collapse of spin polarization in half-metallic ferromagnets. <i>Physical Review Letters</i> , 2006 , 97, 026404	7.4	113
498	Magnetism and electronic structure of hcp Gd and the Gd(0001) surface. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 6353-6371	1.8	110

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4	497	Magnetization-direction-dependent local electronic structure probed by scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2002 , 89, 237205	7.4	109	
4	496	Maximally localized Wannier functions within the FLAPW formalism. <i>Physical Review B</i> , 2008 , 78,	3.3	106	
4	495	Hund's Rule-Driven Dzyaloshinskii-Moriya Interaction at 3d-5d Interfaces. <i>Physical Review Letters</i> , 2016 , 117, 247202	7.4	105	
4	494	Full-potential KKR calculations for metals and semiconductors. <i>Physical Review B</i> , 1999 , 60, 5202-5210	3.3	103	
4	493	Three-dimensional spin structure on a two-dimensional lattice: Mn/Cu(111). <i>Physical Review Letters</i> , 2001 , 86, 1106-9	7.4	99	
4	492	Berry phase theory of Dzyaloshinskii-Moriya interaction and spin-orbit torques. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 104202	1.8	98	
4	491	Evidence for a direct band gap in the topological insulator Bi2Se3 from theory and experiment. <i>Physical Review B</i> , 2013 , 87,	3.3	96	
4	490	Isomer shifts and their relation to charge transfer in dilute Fe alloys. <i>Physical Review Letters</i> , 1986 , 56, 2407-2410	7.4	94	
4	489	Giant magnetocrystalline anisotropies of 4d transition-metal monowires. <i>Physical Review Letters</i> , 2006 , 96, 147201	7.4	93	
4	488	Describing DzyaloshinskiiMoriya spirals from first principles. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2678-2683	2.8	92	
4	487	Broken-bond rule for the surface energies of noble metals. <i>Europhysics Letters</i> , 2002 , 58, 751-757	1.6	90	
4	486	Lifetime of racetrack skyrmions. <i>Scientific Reports</i> , 2018 , 8, 3433	4.9	88	
4	485	Electronic structure of two-dimensional magnetic alloys: c(22) Mn on Cu(100) and Ni(100). <i>Physical Review B</i> , 1997 , 55, 5404-5415	3.3	88	
4	484	Magnetically induced ferroelectricity in orthorhombic manganites: Microscopic origin and chemical trends. <i>Physical Review B</i> , 2008 , 78,	3.3	88	
4	483	Engineering skyrmions in transition-metal multilayers for spintronics. <i>Nature Communications</i> , 2016 , 7, 11779	17.4	85	
,	482	Real-space and reciprocal-space Berry phases in the Hall effect of Mn(1-x)Fe(x)Si. <i>Physical Review Letters</i> , 2014 , 112, 186601	7.4	85	
4	481	Observation of a complex nanoscale magnetic structure in a hexagonal Fe monolayer. <i>Physical Review Letters</i> , 2006 , 96, 167203	7.4	85	
	480	Half-metallic ferromagnets for magnetic tunnel junctions by ab initio calculations. <i>Physical Review B</i> , 2005 , 72,	3.3	84	

479	GW calculations including spin-orbit coupling: Application to Hg chalcogenides. <i>Physical Review B</i> , 2011 , 84,	3.3	82
478	Magnetism of 4d and 5d transition metal adlayers on Ag(001): Dependence on the adlayer thickness. <i>Physical Review B</i> , 1995 , 51, 2025-2028	3.3	82
477	Control of morphology and formation of highly geometrically confined magnetic skyrmions. <i>Nature Communications</i> , 2017 , 8, 15569	17.4	79
476	Density functional theory with nonlocal correlation: A key to the solution of the CO adsorption puzzle. <i>Physical Review B</i> , 2010 , 81,	3.3	77
475	Contribution of Surface Resonances to Scanning Tunneling Microscopy Images: (110) Surfaces of III-V Semiconductors. <i>Physical Review Letters</i> , 1996 , 77, 2997-3000	7.4	76
474	Perpendicular reading of single confined magnetic skyrmions. <i>Nature Communications</i> , 2015 , 6, 8541	17.4	75
473	Magnetic hardening induced by nonmagnetic organic molecules. <i>Physical Review Letters</i> , 2013 , 111, 10	6 8 045	74
472	Seeing the Fermi surface in real space by nanoscale electron focusing. <i>Science</i> , 2009 , 323, 1190-3	33.3	74
471	Fe-induced magnetization of Pd: The role of modified Pd surface states. <i>Physical Review Letters</i> , 1994 , 72, 2247-2250	7.4	74
470	Dzyaloshinskii-Moriya Interaction and Hall Effects in the Skyrmion Phase of Mn(1-x) Fe(x)Ge. <i>Physical Review Letters</i> , 2015 , 115, 036602	7.4	73
469	Probing two topological surface bands of Sb2Te3 by spin-polarized photoemission spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3.3	73
468	Elimination of the linearization error in GW calculations based on the linearized augmented-plane-wave method. <i>Physical Review B</i> , 2006 , 74,	3.3	72
467	Lack of evidence for ferromagnetism in the vanadium monolayer on Ag(001). <i>Physical Review B</i> , 1988 , 37, 10380-10382	3.3	72
466	Realization of a vertical topological p-n junction in epitaxial Sb2Te3/Bi2Te3 heterostructures. <i>Nature Communications</i> , 2015 , 6, 8816	17.4	70
465	GW study of topological insulators Bi2Se3, Bi2Te3, and Sb2Te3: Beyond the perturbative one-shot approach. <i>Physical Review B</i> , 2013 , 88,	3.3	69
464	Comparison between ab initio theory and scanning tunneling microscopy for (110) surfaces of III-V semiconductors. <i>Physical Review B</i> , 1998 , 58, 7799-7815	3.3	68
463	Ferromagnetism and Antiferromagnetism of 3 d Metal Overlayers on Noble-Metal Substrates. <i>Europhysics Letters</i> , 1989 , 9, 597-602	1.6	67
462	Wannier-function approach to spin excitations in solids. <i>Physical Review B</i> , 2010 , 81,	3.3	66

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461	Ab initiotheory of exchange interactions and the Curie temperature of bulk Gd. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 2771-2782	1.8	66
460	Structure and Growth of Hexagonal Boron Nitride on Ir(111). ACS Nano, 2016, 10, 11012-11026	16.7	65
459	The backside of graphene: manipulating adsorption by intercalation. <i>Nano Letters</i> , 2013 , 13, 5013-9	11.5	65
458	First-principles prediction of high Curie temperature for ferromagnetic bcc-Co and bcc-FeCo alloys and its relevance to tunneling magnetoresistance. <i>Applied Physics Letters</i> , 2007 , 90, 082504	3.4	65
457	Direct and inverse spin-orbit torques. <i>Physical Review B</i> , 2015 , 92,	3.3	64
456	Electronic phase transitions of bismuth under strain from relativistic self-consistent GW calculations. <i>Physical Review B</i> , 2015 , 91,	3.3	63
455	Femtosecond electron dynamics of image-potential states on clean and oxygen-covered Pt(111). <i>Physical Review B</i> , 2001 , 63,	3.3	63
454	Prediction of bias-voltage-dependent corrugation reversal for STM images of bcc (110) surfaces: W(110), Ta(110), and Fe(110). <i>Physical Review B</i> , 1998 , 58, 16432-16445	3.3	63
453	Ferromagnetism of 4 d -Metal Monolayers on Ag, Au and Pd(001) Surfaces. <i>Europhysics Letters</i> , 1992 , 18, 257-262	1.6	63
452	Anisotropic spin Hall effect from first principles. <i>Physical Review Letters</i> , 2010 , 105, 246602	7.4	62
451	Magnetically stabilized surface alloys. Applied Physics A: Materials Science and Processing, 1996, 63, 595-	-6 <u>Ω</u> €	62
450	Accessing 4f-states in single-molecule spintronics. <i>Nature Communications</i> , 2013 , 4, 2425	17.4	59
449	Ab initio theory of the scattering-independent anomalous Hall effect. <i>Physical Review Letters</i> , 2011 , 107, 106601	7.4	58
448	Quantum size effects and the enhancement of the exchange splitting in ultrathin Co overlayers on Cu (100). <i>Solid State Communications</i> , 1992 , 81, 739-744	1.6	58
447	Conditions for spin-gapless semiconducting behavior in Mn2CoAl inverse Heusler compound. Journal of Applied Physics, 2014 , 115, 093908	2.5	57
446	Embedded Green-function approach to the ballistic electron transport through an interface. <i>Physical Review B</i> , 2002 , 66,	3.3	57
445	Oxygen-enabled control of Dzyaloshinskii-Moriya Interaction in ultra-thin magnetic films. <i>Scientific Reports</i> , 2016 , 6, 24634	4.9	57
444	Topological-chiral magnetic interactions driven by emergent orbital magnetism. <i>Nature Communications</i> , 2020 , 11, 511	17.4	56

443	New spiral state and skyrmion lattice in 3D model of chiral magnets. <i>New Journal of Physics</i> , 2016 , 18, 045002	2.9	56
442	Dzyaloshinskii-Moriya interaction and chiral magnetism in 3dBd zigzag chains: Tight-binding model and ab initio calculations. <i>Physical Review B</i> , 2014 , 90,	3.3	56
441	Functionalized bismuth films: Giant gap quantum spin Hall and valley-polarized quantum anomalous Hall states. <i>Physical Review B</i> , 2015 , 91,	3.3	56
440	Electronic and magnetic structure of the (001) surfaces of V, Cr, and V/Cr. <i>Physical Review B</i> , 2000 , 62, R11937-R11940	3.3	56
439	Magnetic order and exchange interactions in monoatomic 3d transition-metal chains. <i>Physical Review B</i> , 2007 , 75,	3.3	55
438	Interface properties of NiMnSbInP and NiMnSbIGaAs contacts. <i>Physical Review B</i> , 2005 , 71,	3.3	55
437	Hyperfine fields of impurities in ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1984 , 45, 291-297	2.8	55
436	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,	3.3	54
435	First-principles stabilization of an unconventional collinear magnetic ordering in distorted manganites. <i>Physical Review B</i> , 2006 , 74,	3.3	54
434	Electronic structure of buried alpha -FeSi2 and beta -FeSi2 layers: Soft-x-ray-emission and -absorption studies compared to band-structure calculations. <i>Physical Review B</i> , 1994 , 50, 18330-18340	3.3	54
433	Magnetism of nanowires driven by novel even-odd effects. <i>Physical Review Letters</i> , 2008 , 101, 107204	7.4	52
432	Full-potential linearized augmented plane-wave method for one-dimensional systems: Gold nanowire and iron monowires in a gold tube. <i>Physical Review B</i> , 2005 , 72,	3.3	52
431	Role of the van der Waals interactions on the bonding mechanism of pyridine on Cu(110) and Ag(110) surface: First-principles study. <i>Physical Review B</i> , 2008 , 78,	3.3	51
430	Interaction of Individual Skyrmions in a Nanostructured Cubic Chiral Magnet. <i>Physical Review Letters</i> , 2018 , 120, 197203	7.4	50
429	Theoretical support to the double-layer model for potassium adsorption on the Si(001) surface. <i>Physical Review B</i> , 1991 , 44, 3459-3462	3.3	50
428	Direct Observation of the Band Gap Transition in Atomically Thin ReS. <i>Nano Letters</i> , 2017 , 17, 5187-519	211.5	49
427	Electronic structure of the Nowotny chimney-ladder silicide Ru2 Si3s. <i>Physical Review B</i> , 1997 , 55, 6918-	-693-6	49
426	Ab initio Green-function formulation of the transfer matrix: Application to complex band structures. <i>Physical Review B</i> , 2002 , 65,	3.3	49

425	Rationalizing strain engineering effects in rare-earth nickelates. <i>Physical Review B</i> , 2013 , 88,	3.3	48	
424	All-electron first-principles investigations of the energetics of vicinal Cu surfaces. <i>Physical Review B</i> , 2006 , 73,	3.3	48	
423	Role of Berry phase theory for describing orbital magnetism: From magnetic heterostructures to topological orbital ferromagnets. <i>Physical Review B</i> , 2016 , 94,	3.3	47	
422	Ferromagnetic spin coupling of 2p impurities in band insulators stabilized by an intersite Coulomb interaction: nitrogen-doped MgO. <i>Physical Review Letters</i> , 2011 , 107, 137203	7.4	47	
421	Unexpected trend of magnetic order of 3d transition-metal monolayers on W(001). <i>Physical Review B</i> , 2005 , 72,	3.3	47	
420	BiTe is a dual topological insulator. <i>Nature Communications</i> , 2017 , 8, 14976	17.4	46	
419	Bulk band structure of Bi2Te3. <i>Physical Review B</i> , 2014 , 90,	3.3	46	
418	Local exact exchange potentials within the all-electron FLAPW method and a comparison with pseudopotential results. <i>Physical Review B</i> , 2011 , 83,	3.3	46	
417	Spin orientation and sign of the Rashba splitting in Bi/Cu(111). <i>Physical Review B</i> , 2011 , 84,	3.3	46	
416	Unoccupied surface state on Pt(111) revealed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2005 , 72,	3.3	46	
415	Interlayer Exchange Coupling: A General Scheme Turning Chiral Magnets into Magnetic Multilayers Carrying Atomic-Scale Skyrmions. <i>Physical Review Letters</i> , 2016 , 116, 177202	7.4	45	
414	The interplay of structure and spin-orbit strength in the magnetism of metal-benzene sandwiches: from single molecules to infinite wires. <i>Nanotechnology</i> , 2007 , 18, 495402	3.4	45	
413	Engineering the magnetic properties of hybrid organic-ferromagnetic interfaces by molecular chemical functionalization. <i>Physical Review B</i> , 2011 , 84,	3.3	44	
412	Origin of the planar Hall effect in nanocrystalline Co60Fe20B20. <i>Physical Review Letters</i> , 2011 , 107, 086	56 9 .3	44	
411	Exchange-dependent hybridization at the Pd-Fe interface. <i>Physical Review B</i> , 1992 , 45, 13823-13826	3.3	44	
410	Ferromagnetic order in ultrathin Rh layers on Fe(100). <i>Physical Review B</i> , 1992 , 46, 12888-12891	3.3	44	
409	Strong Ferromagnetism of 3 d -Metal Overlayers on Pd(001). Europhysics Letters, 1988, 7, 743-748	1.6	44	
408	Ab initio calculation of the effective on-site Coulomb interaction parameters for half-metallic magnets. <i>Physical Review B</i> , 2013 , 88,	3.3	43	

407	First-principles analysis of a homochiral cycloidal magnetic structure in a monolayer Cr on W(110). <i>Physical Review B</i> , 2014 , 90,	3.3	42
406	Self-Assembled Nanometer-Scale Magnetic Networks on Surfaces: Fundamental Interactions and Functional Properties. <i>Advanced Functional Materials</i> , 2011 , 21, 1212-1228	15.6	42
405	Complex magnetism of iron monolayers on hexagonal transition metal surfaces from first principles. <i>Physical Review B</i> , 2009 , 79,	3.3	42
404	Noncollinear Korringa-Kohn-Rostoker Green function method: Application to 3d nanostructures on Ni(001). <i>Physical Review B</i> , 2005 , 72,	3.3	42
403	Long-range magnetic coupling between nanoscale organic-metal hybrids mediated by a nanoskyrmion lattice. <i>Nature Nanotechnology</i> , 2014 , 9, 1018-23	28.7	41
402	Absence of edge states in covalently bonded zigzag edges of graphene on Ir(111). <i>Advanced Materials</i> , 2013 , 25, 1967-72	24	41
401	Hybrid functionals within the all-electron FLAPW method: Implementation and applications of PBE0. <i>Physical Review B</i> , 2010 , 81,	3.3	41
400	Surface Fermi arc connectivity in the type-II Weyl semimetal candidate WTe2. <i>Physical Review B</i> , 2016 , 94,	3.3	40
399	Scattering-independent anomalous Nernst effect in ferromagnets. <i>Physical Review B</i> , 2013 , 87,	3.3	40
398	Spin-orbit coupling in quasiparticle studies of topological insulators. <i>Physical Review B</i> , 2013 , 88,	3.3	39
397	Electronic structure, surface morphology, and topologically protected surface states of Sb2Te3 thin films grown on Si(111). <i>Journal of Applied Physics</i> , 2013 , 113, 053706	2.5	39
396	Quasiparticle spectrum and plasmonic excitations in the topological insulator Sb2Te3. <i>Physical Review B</i> , 2015 , 91,	3.3	39
395	Tuning the van der Waals Interaction of Graphene with Molecules via Doping. <i>Physical Review Letters</i> , 2015 , 115, 236101	7.4	39
394	Theoretical investigation of the inverse Faraday effect via a stimulated Raman scattering process. <i>Physical Review B</i> , 2012 , 85,	3.3	39
393	Ferromagnetism in nitrogen-doped MgO: Density-functional calculations. <i>Physical Review B</i> , 2009 , 80,	3.3	39
392	Comparative study of ab initio and tight-binding electronic structure calculations applied to platinum surfaces. <i>Physical Review B</i> , 2004 , 70,	3.3	39
391	Structural, electronic, and magnetic properties of a Mn monolayer on W(110). <i>Physical Review B</i> , 2002 , 66,	3.3	39
390	Spirit: Multifunctional framework for atomistic spin simulations. <i>Physical Review B</i> , 2019 , 99,	3.3	38

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389	Wannier function approach to realistic Coulomb interactions in layered materials and heterostructures. <i>Physical Review B</i> , 2015 , 92,	3.3	38
388	Precise response functions in all-electron methods: Application to the optimized-effective-potential approach. <i>Physical Review B</i> , 2012 , 85,	3.3	38
387	JuNoLo DIIch nonlocal code for parallel post-processing evaluation of vdW-DF correlation energy. <i>Computer Physics Communications</i> , 2010 , 181, 371-379	4.2	38
386	Using half-metallic manganite interfaces to reveal insights into spintronics. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 315208	1.8	38
385	First-principles study of the electronic structure and exchange interactions in bcc europium. <i>Physical Review B</i> , 2003 , 68,	3.3	38
384	Structure, growth, and magnetism of Mn on Cu(110). <i>Physical Review B</i> , 1998 , 57, 2607-2620	3.3	38
383	Universality of defect-skyrmion interaction profiles. <i>Nature Communications</i> , 2018 , 9, 4395	17.4	38
382	Exchange interactions and local-moment fluctuation corrections in ferromagnets at finite temperatures based on noncollinear density-functional calculations. <i>Physical Review B</i> , 2013 , 88,	3.3	37
381	Topological phases of Bi(111) bilayer in an external exchange field. <i>Physical Review B</i> , 2012 , 86,	3.3	37
380	Magnetic exchange coupling of 3d metal monolayers on Fe(001). <i>Solid State Communications</i> , 1998 , 105, 633-637	1.6	37
379	Chirality-driven orbital magnetic moments as a new probe for topological magnetic structures. <i>Nature Communications</i> , 2016 , 7, 13613	17.4	37
378	Role of Dzyaloshinskii-Moriya interaction for magnetism in transition-metal chains at Pt step edges. <i>Physical Review B</i> , 2016 , 94,	3.3	36
377	Real-space electronic structure calculations with full-potential all-electron precision for transition metals. <i>Physical Review B</i> , 2010 , 82,	3.3	36
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289 288 287	Magnetic order in RMn2Ge2 (R=Y,Ca) compounds and their solid solutions with LaMn2Ge2. <i>Physical Review B</i> , 2007 , 75, Interpreting magnetization from Faraday rotation in birefringent magnetic media. <i>Journal of Applied Physics</i> , 2007 , 101, 053912 Spin-polarized electron scattering at single oxygen adsorbates on a magnetic surface. <i>Physical Review Letters</i> , 2004 , 92, 046801 Theory of Current-Induced Angular Momentum Transfer Dynamics in Spin-Orbit Coupled Systems.	3·3 2·5 7·4	21 21 21
289 288 287 286	Magnetic order in RMn2Ge2 (R=Y,Ca) compounds and their solid solutions with LaMn2Ge2. <i>Physical Review B</i> , 2007 , 75, Interpreting magnetization from Faraday rotation in birefringent magnetic media. <i>Journal of Applied Physics</i> , 2007 , 101, 053912 Spin-polarized electron scattering at single oxygen adsorbates on a magnetic surface. <i>Physical Review Letters</i> , 2004 , 92, 046801 Theory of Current-Induced Angular Momentum Transfer Dynamics in Spin-Orbit Coupled Systems. <i>Physical Review Research</i> , 2020 , 2, Relation of the Dzyaloshinskii-Moriya interaction to spin currents and to the spin-orbit field.	3·3 2·5 7·4 3·9	21 21 21 21
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55 54	Band contribution to the electronic transport in noncollinear magnetic materials: application to LaMnGe. <i>Physica B: Condensed Matter</i> , 2004 , 354, 154-157 Magnetism in Molecular Vanadium-Benzene Sandwiches. <i>AIP Conference Proceedings</i> , 2005 , Element specific surface reconstructions of islands during surfactant-mediated growth on Si (111).	0	2
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