Olle E Eriksson

List of Publications by Year
in descending order

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762 papers	32,754 citations	4120 87 h-index	7931 149 g-index
785 all docs	785 docs citations	785 times ranked	23772 citing authors

#	Article	IF	Citations
1	Comment on â€œProper and improper chiral magnetic interactionsâ€. Physical Review B, 2022, 105, .	1.1	6
2	Exotic magnetic and electronic properties of layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: single crystals under high pressure. Physical Review B, 2022, 105, .	1.1	12
3	Realistic first-principles calculations of the magnetocaloric effect: applications to hcp Gd. Materials Research Letters, 2022, 10, 156-162.	4.1	4
4	Exchange scaling of ultrafast angular momentum transfer in 4f antiferromagnets. Nature Materials, 2022, 21, 514-517.	13.3	12
5	Element-selective ultrafast magnetization dynamics of hybrid Stoner-Heisenberg magnets. Physical Review B, 2022, 105, .	1.1	5
6	Structural and electronic properties of the random alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>ZnSe</mml:mi><mml:mi>x</mml:mi></mml: mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:mrow></ Physical Review B, 2022, 105, .	1.1	2
7	Adiabatic spin dynamics and effective exchange interactions from constrained tight-binding electronic structure theory: Beyond the Heisenberg regime. Physical Review B, 2022, 105, .	1.1	4
8	High-throughput compatible approach for entropy estimation in magnetocaloric materials: FeRh as a test case. Journal of Alloys and Compounds, 2021, 857, 157811.	2.8	11
9	Alloying effect on the orderâ€“disorder transformation in tetragonal FeNi. Scientific Reports, 2021, 11, 5253.	1.6	6
10	Heisenberg and anisotropic exchange interactions in magnetic materials with correlated electronic structure and significant spin-orbit coupling. Physical Review B, 2021, 103, .	1.1	19
11	Mechanisms behind large Gilbert damping anisotropies. Physical Review B, 2021, 103, .	1.1	10
12	Majority gate for two-dimensional ferromagnets lacking inversion symmetry. Physical Review Research, 2021, 3, .	1.3	0
13	Exchange constants for local spin Hamiltonians from tight-binding models. Physical Review B, 2021, 103, .	1.1	8
14	In Situ Pseudopotentials for Electronic Structure Theory. Journal of Physical Chemistry C, 2021, 125, 15103-15111.	1.5	2
15	Data-driven design of a new class of rare-earth free permanent magnets. Acta Materialia, 2021, 212, 116913.	3.8	9
16	Antichiral ferromagnetism. Physical Review B, 2021, 104, .	1.1	7
17	Vibrational entropy-enhanced magnetocaloric effect in Mn-rich high-entropy alloys. Applied Physics Letters, 2021, 119, 084102.	1.5	5
18	Photoelectron dispersion in metallic and insulating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>VO</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml: thin films. Physical Review Research, 2021, 3, .	1.3	3

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19	Ultrafast magnetization dynamics in the half-metallic Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>FeAl</mml:mi></mml:math>. Physical Review B, 2021, 104, .	1.1	10
20	Ab-initio study of the electronic structure and magnetic properties of Ce2Fe17. Journal of Alloys and Compounds, 2021, 888, 161521.	2.8	6
21	Connection between magnetic interactions and the spin-wave gap of the insulating phase of NaOsO3. Physical Review B, 2021, 104, .	1.1	3
22	Quantifying Spin-Mixed States in Ferromagnets. Physical Review Letters, 2021, 127, 207201.	2.9	10
23	Local structural evolution in the anionic solid solution ZnSexS1â^'x. Physical Review B, 2021, 104, .	1.1	2
24	Magnon-magnon entanglement and its quantification via a microwave cavity. Physical Review B, 2021, 104, .	1.1	19
25	Soft Xâ€Ray Magnetic Circular Dichroism of Vanadium in the Metalâ€“Insulator Twoâ€Phase Region of Paramagnetic V₂O₃ Doped with 1.1% Chromium. Physica Status Solidi (B): Basic Research, 2020, 257, 1900456.	0.7	2
26	Measuring the Intra-Atomic Exchange Energy in Rare-Earth Adatoms. Physical Review X, 2020, 10, .	2.8	13
27	Partial cation ordering, relaxor ferroelectricity, and ferrimagnetism in Pb(Fe1â€‰â^'â€‰xYbx)2/3W1/3O3 solid solutions. Journal of Applied Physics, 2020, 128, 134102.	1.1	0
28	Interlayer charge transfer in tin disulphide: Orbital anisotropy and temporal aspects. Physical Review B, 2020, 102, .	1.1	6
29	Coexistence of Superconductivity and Charge Density Waves in Tantalum Disulfide: Experiment and Theory. Physical Review Letters, 2020, 125, 186401.	2.9	24
30	Pressure effect on the orderâ€“disorder transformation in L10 FeNi. Scientific Reports, 2020, 10, 14766.	1.6	13
31	First-principles Dzyaloshinskiiâ€“Moriya interaction in a non-collinear framework. Scientific Reports, 2020, 10, 20339.	1.6	20
32	Equation of motion and the constraining field in ab initio spin dynamics. Physical Review B, 2020, 102, .	1.1	8
33	Self-induced spin glass state in elemental and crystalline neodymium. Science, 2020, 368, .	6.0	24
34	Local structure in amorphous Sm$$_x$$Co$$_{1-x}$$: a combined experimental and theoretical study. Journal of Materials Science, 2020, 55, 12488-12498.	1.7	7
35	An ab initio perspective on scanning tunneling microscopy measurements of the tunable Kondo resonance of the TbPc2 molecule on a gold substrate. Physical Review B, 2020, 101, .	1.1	1
36	High-throughput and data-mining approach to predict new rare-earth free permanent magnets. Physical Review B, 2020, 101, .	1.1	34

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37	Giant anisotropy of Gilbert damping in a Rashba honeycomb antiferromagnet. Physical Review B, 2020, 101, .	1.1	2
38	Localized versus itinerant character of 4f-states in cerium oxides. Journal of Physics Condensed Matter, 2020, 32, 215502.	0.7	5
39	Nonreciprocal spin pumping damping in asymmetric magnetic trilayers. Physical Review B, 2020, 101, .	1.1	13
40	Direct writing of lateral fluorographene nanopatterns with tunable bandgaps and its application in new generation of moirÃ© superlattice. Applied Physics Reviews, 2020, 7, .	5.5	18
41	Direct lightâ€“induced spin transfer between different elements in a spintronic Heusler material via femtosecond laser excitation. Science Advances, 2020, 6, eaaz1100.	4.7	47
42	Electronic Structure of Isolated Molecules. SpringerBriefs in Applied Sciences and Technology, 2020, , 25-34.	0.2	1
43	Interaction with Substrates. SpringerBriefs in Applied Sciences and Technology, 2020, , 45-64.	0.2	1
44	Magnetic two-dimensional electron liquid at the surface of Heusler semiconductors. Physical Review Materials, 2020, 4, .	0.9	6
45	Analysis of the linear relationship between asymmetry and magnetic moment at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math> edge of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> transition metals. Physical Review Research, 2020, 2, .	1.3	16
46	Localized surface electromagnetic waves in CrI₃-based magnetophotonic structures. Optics Express, 2020, 28, 29155.	1.7	7
47	Multiscale approach for magnetization dynamics: unraveling exotic magnetic states of matter. Physical Review Research, 2020, 2, .	1.3	3
48	Electron Correlation and Spin Transition. SpringerBriefs in Applied Sciences and Technology, 2020, , 35-43.	0.2	0
49	Hierarchy of magnon mode entanglement in antiferromagnets. Physical Review B, 2020, 102, .	1.1	6
50	Theoretical Methods. SpringerBriefs in Applied Sciences and Technology, 2020, , 19-24.	0.2	0
51	Plastic deformation transition in FeCrCoNiAl_x high-entropy alloys. Materials Research Letters, 2019, 7, 439-445.	4.1	12
52	Cation ordering, ferrimagnetism and ferroelectric relaxor behavior in Pb(Fe1â^'xScx)2â•3W1â•3O3 solid solutions. European Physical Journal B, 2019, 92, 1.	0.6	6
53	Peculiar magnetic states in the double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2019, 100, .	1.1	15
54	Electronic specific heat coefficient and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow> Laves phases: A combined experimental and first-. Physical Review B, 2019, 100, .	1.1	2

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55	Spin polaronics: Static and dynamic properties of spin polarons in La-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaMnO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2019, 100, .	1.1	4
56	Photoelectron Spectroscopy of Molecules Beyond the Electric Dipole Approximation. Journal of Chemical Theory and Computation, 2019, 15, 5483-5494.	2.3	5
57	Atomic photoionization cross sections beyond the electric dipole approximation. Journal of Chemical Physics, 2019, 150, 044306.	1.2	5
58	Database of novel magnetic materials for high-performance permanent magnet development. Computational Materials Science, 2019, 168, 188-202.	1.4	41
59	Density Functional Theory description of the order-disorder transformation in Fe-Ni. Scientific Reports, 2019, 9, 8172.	1.6	22
60	Ligand Effects on the Linear Response Hubbard U: The Case of Transition Metal Phthalocyanines. Journal of Physical Chemistry A, 2019, 123, 3214-3222.	1.1	6
61	General method for atomistic spin-lattice dynamics with first-principles accuracy. Physical Review B, 2019, 99, .	1.1	37
62	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaFeO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2019, 99, .	1.1	12
63	Europium Cyclooctatetraene Nanowire Carpets: A Low-Dimensional, Organometallic, and Ferromagnetic Insulator. Journal of Physical Chemistry Letters, 2019, 10, 911-917.	2.1	18
64	Self-organizing maps as a method for detecting phase transitions and phase identification. Physical Review B, 2019, 99, .	1.1	19
65	Influence of antiphase boundary of the MnAl Ï„ -phase on the energy product. Physical Review Materials, 2019, 3, .	0.9	1
66	Suppression of the Verwey Transition by Charge Trapping. Annalen Der Physik, 2018, 530, 1700363.	0.9	6
67	Searching for materials with reduced dimension. Nature Nanotechnology, 2018, 13, 180-181.	15.6	8
68	Mapping the magnetic transition temperatures for medium- and high-entropy alloys. Intermetallics, 2018, 95, 80-84.	1.8	53
69	Investigation of the spectral properties and magnetism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub> by dynamical mean-field theory. Physical Review B, 2018, 97, .	1.1	8
70	Coupling atomistic and continuum modelling of magnetism. Computer Methods in Applied Mechanics and Engineering, 2018, 329, 219-253.	3.4	9
71	Hexagonal M₂C₃ (M = As, Sb, and Bi) monolayers: new functional materials with desirable band gaps and ultrahigh carrier mobility. Journal of Materials Chemistry C, 2018, 6, 12689-12697.	2.7	42
72	First-principles calculations of the ultralow thermal conductivity in two-dimensional group-IV selenides. Physical Review B, 2018, 98, .	1.1	98

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73	Another view on Gilbert damping in two-dimensional ferromagnets. Scientific Reports, 2018, 8, 17148.	1.6	7
74	Magnetic anisotropy in permalloy: Hidden quantum mechanical features. Physical Review B, 2018, 97, .	1.1	12
75	A majority gate with chiral magnetic solitons. Journal of Physics Condensed Matter, 2018, 30, 375801.	0.7	11
76	Nonlocal Gilbert damping tensor within the torque-torque correlation model. Physical Review Materials, 2018, 2, .	0.9	19
77	Heavy-mass magnetic modes in pyrochlore iridates due to dominant Dzyaloshinskii-Moriya interaction. Physical Review Materials, 2018, 2, .	0.9	20
78	Magnetic properties of Ruddlesden-Popper phases <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Sr</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mr		

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91	Magnetism and ultrafast magnetization dynamics of Co and CoMn alloys at finite temperature. Physical Review B, 2017, 95, .	1.1	13
92	First-principles theory of electronic structure and magnetism of Cr nano-islands on Pd(1â€‰1â€‰1). Journal of Physics Condensed Matter, 2017, 29, 025807.	0.7	3
93	Structural, electronic, and thermodynamic properties of curium dioxide: Density functional theory calculations. Physical Review B, 2017, 96, .	1.1	36
94	Theory of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math>-edge spectroscopy of strongly correlated systems. Physical Review B, 2017, 96, .	1.1	21
95	Atomistic Spin Dynamics. , 2017, , .		117
96	Combining electronic structure and many-body theory with large databases: A method for predicting the nature of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:m states in Ce compounds. Physical Review Materials, 2017, 1, .	0.9	16
97	Women with Premenstrual Dysphoria Lack the Seemingly Normal Premenstrual Right-Sided Relative Dominance of 5-HTP-Derived Serotonergic Activity in the Dorsolateral Prefrontal Cortices - A Possible Cause of Disabling Mood Symptoms. PLoS ONE, 2016, 11, e0159538.	1.1	10
98	Ab initioinvestigation of competing antiferromagnetic structures in low Si-content FeMn(PSi) alloy. Journal of Physics Condensed Matter, 2016, 28, 216002.	0.7	2
99	Many-body effects and excitonic features in 2D biphenylene carbon. Journal of Chemical Physics, 2016, 144, 024702.	1.2	14
100	Magnetism and exchange interaction of small rare-earth clusters; Tb as a representative. Scientific Reports, 2016, 6, 19676.	1.6	22
101	Site-selective local fluorination of graphene induced by focused ion beam irradiation. Scientific Reports, 2016, 6, 19719.	1.6	36
102	Scale Transitions in Magnetisation Dynamics. Communications in Computational Physics, 2016, 20, 969-988.	0.7	7
103	Communication: Visualization and spectroscopy of defects induced by dehydrogenation in individual silicon nanocrystals. Journal of Chemical Physics, 2016, 144, 241102.	1.2	3
104	Ultra-low magnetic damping of a metallicÂferromagnet. Nature Physics, 2016, 12, 839-842.	6.5	274
105	A new 2D monolayer BiXene, M₂C (M = Mo, Tc, Os). Nanoscale, 2016, 8, 15753-15762.	2.8	46
106	Electronic structure and exchange interactions of insulating double perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:r Physical Review B, 2016, 94, .	1.1	18
107	Standard model of the rare earths analyzed from the Hubbard I approximation. Physical Review B, 2016, 94, .	1.1	65
108	Finite-temperature interatomic exchange and magnon softening in Fe overlayers on Ir(001). Physical Review B, 2016, 94, .	1.1	10

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109	Analytic continuation by averaging PadÃ© approximants. Physical Review B, 2016, 93, .	1.1	45
110	Electronic and magnetic properties of single Fe atoms on a CuN surface: Effects of electron correlations. Physical Review B, 2016, 93, .	1.1	14
111	Correlated electron behavior of metal-organic molecules: Insights from density functional theory combined with many-body effects using exact diagonalization. Physical Review B, 2016, 93, .	1.1	15
112	First-principles studies of the Gilbert damping and exchange interactions for half-metallic Heuslers alloys. Physical Review B, 2016, 93, .	1.1	21
113	Correlation effects and orbital magnetism of Co clusters. Physical Review B, 2016, 93, .	1.1	12
114	High photon energy spectroscopy of NiO: Experiment and theory. Physical Review B, 2016, 93, .	1.1	22
115	First-principles investigation of two-dimensional trichalcogenide and sesquichalcogenide monolayers. Physical Review B, 2016, 93, .	1.1	44
116	Microscopic Origin of Heisenberg and Non-Heisenberg Exchange Interactions in Ferromagnetic bcc Fe. Physical Review Letters, 2016, 116, 217202.	2.9	69
117	Magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math> its alloys with P, S, and Co. Physical Review B, 2016, 93, .	1.1	27
118	A spin dynamics approach to solitonics. Scientific Reports, 2016, 6, 25685.	1.6	20
119	Reproducibility in density functional theory calculations of solids. Science, 2016, 351, aad3000.	6.0	1,113
120	Low temperature magneto-structural transitions in Mn3Ni20P6. Journal of Solid State Chemistry, 2016, 237, 343-348.	1.4	3
121	Magnetic and electronic structure of Mn nanostructures on Ag(111) and Au(111). Physical Review B, 2016, 93, .	1.1	19
122	Influence of Electron Correlation on the Electronic Structure and Magnetism of Transition-Metal Phthalocyanines. Journal of Chemical Theory and Computation, 2016, 12, 1772-1785.	2.3	54
123	Mapping of Defects in Individual Silicon Nanocrystals Using Real-Space Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 1047-1054.	2.1	9
124	Polar Order and Frustrated Antiferromagnetism in Perovskite Pb₂MnWO₆ Single Crystals. Inorganic Chemistry, 2016, 55, 2791-2805.	1.9	23
125	Correlated electronic structure of CeN. Journal of Electron Spectroscopy and Related Phenomena, 2016, 208, 111-115.	0.8	2
126	Dynamic Stabilization of Cubic AuZn. Materials Today: Proceedings, 2015, 2, S569-S572.	0.9	0

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127	Exchange parameters of strongly correlated materials: Extraction from spin-polarized density functional theory plus dynamical mean-field theory. Physical Review B, 2015, 91, .	1.1	98
128	Universal distribution of magnetic anisotropy of impurities in ordered and disordered nanograins. Physical Review B, 2015, 91, .	1.1	0
129	Band alignment switching and the interaction between neighboring silicon nanocrystals embedded in a SiC matrix. Physical Review B, 2015, 91, .	1.1	1
130	All-thermal switching of amorphous Gd-Fe alloys: Analysis of structural properties and magnetization dynamics. Physical Review B, 2015, 92, .	1.1	41
131	Gilbert-like damping caused by time retardation in atomistic magnetization dynamics. Physical Review B, 2015, 92, .	1.1	12
132	Polaron mobility in oxygen-deficient and lithium-doped tungsten trioxide. Physical Review B, 2015, 92, .	1.1	52
133	Layer-resolved magnetic exchange interactions of surfaces of late<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mm Effects of electronic correlations. Physical Review B, 2015, 92, .	1.1	12
134	Monovacancy formation energies and Fermi surface topological transitions in Pd-Ag alloys. Physical Review B, 2015, 92, .	1.1	4
135	Influence of dimensionality and interface type on optical and electronic properties of CdS/ZnS core-shell nanocrystalsâ€"A first-principles study. Journal of Chemical Physics, 2015, 143, 164701.	1.2	7
136	Thermodynamic-state and kinetic-process dependent dual ferromagnetic states in high-Si content FeMn(PSi) alloys. Journal of Applied Physics, 2015, 118, .	1.1	7
137	Effect of uniaxial strain on the site occupancy of hydrogen in vanadium from density-functional calculations. Scientific Reports, 2015, 5, 10301.	1.6	16
138	Large-eddy simulations of wind farm production and long distance wakes. Journal of Physics: Conference Series, 2015, 625, 012022.	0.3	1
139	Wake downstream of the Lillgrund wind farm - A Comparison between LES using the actuator disc method and a Wind farm Parametrization in WRF. Journal of Physics: Conference Series, 2015, 625, 012028.	0.3	27
140	Dynamics of quasiparticles in graphene under intense circularly polarized light. Physical Review B, 2015, 91, .	1.1	20
141	Atomistic spin dynamics and surface magnons. Journal of Physics Condensed Matter, 2015, 27, 243202.	0.7	32
142	Electronic topological transition and noncollinear magnetism in compressed hcp Co. Physical Review B, 2015, 92, .	1.1	20
143	The influence of oxygen adsorption on the NEXAFS and core-level XPS spectra of the C60 derivative PCBM. Journal of Chemical Physics, 2015, 142, 054306.	1.2	24
144	Valence and spectral properties of rare-earth clusters. Physical Review B, 2015, 92, .	1.1	9

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145	First-principles study of the influence of different interfaces and core types on the properties of CdSe/CdS core-shell nanocrystals. Scientific Reports, 2015, 5, 10865.	1.6	20
146	Two-Dimensional Indium Selenides Compounds: An Ab Initio Study. Journal of Physical Chemistry Letters, 2015, 6, 3098-3103.	2.1	190
147	Toward Rare-Earth-Free Permanent Magnets: A Combinatorial Approach Exploiting the Possibilities of Modeling, Shape Anisotropy in Elongated Nanoparticles, and Combinatorial Thin-Film Approach. Jom, 2015, 67, 1318-1328.	0.9	34
148	Size dependence of the stability, electronic structure, and optical properties of silicon nanocrystals with various surface impurities. Physical Review B, 2015, 91, .	1.1	10
149	The electronic characterization of biphenyleneâ€"Experimental and theoretical insights from core and valence level spectroscopy. Journal of Chemical Physics, 2015, 142, 074305.	1.2	24
150	Lattice dynamics and chemical bonding in Sb2Te3 from first-principles calculations. Journal of Chemical Physics, 2015, 142, 174702.	1.2	22
151	Controlling Electronic Structure and Transport Properties of Zigzag Graphene Nanoribbons by Edge Functionalization with Fluorine. Journal of Physical Chemistry C, 2015, 119, 21227-21233.	1.5	17
152	Atomic contributions to the valence band photoelectron spectra of metal-free, iron and manganese phthalocyanines. Journal of Electron Spectroscopy and Related Phenomena, 2015, 205, 92-97.	0.8	9
153	Magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mn /><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">B</mml:mi></mml:mrow></mml:math>alloys and the effect of doping by<mml:math xmlns:mml="http://www.w3.org/1998/Mat. Physical Review B, 2015, 92, .	1.1	62
154	Quasiâ€2D Cu₂S Crystals on Graphene: Inâ€situ Growth and abâ€initio Calculations. Small, 2015, 11, 1253-1257.	5.2	25
155	Amorphous Wâ€“Sâ€“N thin films: The atomic structure behind ultra-low friction. Acta Materialia, 2015, 82, 84-93.	3.8	31
156	Formation of 2D transition metal dichalcogenides on TiC_{1â^'x}A_x surfaces (A = S, Se, Te): A theoretical study. Journal of Materials Research, 2014, 29, 207-214.	1.2	2
157	Kinetic arrest induced antiferromagnetic order in hexagonal FeMnP0.75Si0.25 alloy. Applied Physics Letters, 2014, 105, .	1.5	12
158	Comparison of van der Waals corrected and sparse-matter density functionals for the metal-free phthalocyanine/gold interface. Physical Review B, 2014, 89, .	1.1	38
159	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Fe</mml:mi><mml:mi>n</mml:mi></mml:msub></mml clusters chemisorbed on vacancy defects in graphene: Stability, spin-dipole moment, and magnetic anisotropy. Physical Review B, 2014, 89, .	1.1	16
160	Microscopic description of the evolution of the local structure and an evaluation of the chemical pressure concept in a solid solution. Physical Review B, 2014, 89, .	1.1	26
161	Origin of the magnetostructural coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">FeMnP</mml:mi><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Si</mml:mi><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub></mml:math>. Physical Review B, 2014, 90, .	1.1	17
162	Fe phthalocyanine on Co(001): Influence of surface oxidation on structural and electronic properties. Physical Review B, 2014, 89, .	1.1	24

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163	Treatment of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math>states of the rare earths: The case study of TbN. Physical Review B, 2014, 89, .	1.1	32
164	Revisiting the adsorption of copper-phthalocyanine on Au(111) including van der Waals corrections. Journal of Chemical Physics, 2014, 140, 124711.	1.2	11
165	Magnetic properties of FexCo1â^'xnanochains on Pt(1â€‰1â€‰1) surfaces. Journal of Physics Condensed Matter, 2014, 26, 206003.	0.7	3
166	A charge self-consistent LDA+DMFT study of the spectral properties of hexagonal NiS. New Journal of Physics, 2014, 16, 093049.	1.2	2
167	Lattice dynamics of cubic AuZn from first principles. Physical Review B, 2014, 89, .	1.1	4
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