

# Laszlo Szunyogh

## List of Publications by Year in descending order

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papers

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136885

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140  
docs citations

140  
times ranked

3054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory and convergence properties of the screened Korringa-Kohn-Rostoker method. Physical Review B, 1995, 52, 8807-8812.	1.1	312
2	Theory of the Fano Resonance in the STM Tunneling Density of States due to a Single Kondo Impurity. Physical Review Letters, 2000, 85, 2557-2560.	2.9	281
3	Toward tailoring Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors. Science Advances, 2018, 4, eaar5251.	4.7	233
4	Magnetic anisotropy of iron multilayers on Au(001): First-principles calculations in terms of the fully relativistic spin-polarized screened KKR method. Physical Review B, 1995, 51, 9552-9559.	1.1	195
5	Self-consistent localized KKR scheme for surfaces and interfaces. Physical Review B, 1994, 49, 2721-2729.	1.1	192
6	Temperature Dependent Magnetic Anisotropy in Metallic Magnets from an Ab Initio Electronic Structure Theory: L10-Ordered FePt. Physical Review Letters, 2004, 93, 257204.	2.9	172
7	Chiral Asymmetry of the Spin-Wave Spectra in Ultrathin Magnetic Films. Physical Review Letters, 2009, 102, 207204.	2.9	141
8	First-Principles Calculation of the Anomalous Perpendicular Anisotropy in a Co Monolayer on Au(111). Physical Review Letters, 1996, 77, 1805-1808.	2.9	134
9	Skyrmions with Attractive Interactions in an Ultrathin Magnetic Film. Physical Review Letters, 2016, 117, 157205.	2.9	80
10	Interatomic Exchange Interactions for Finite-Temperature Magnetism and Nonequilibrium Spin Dynamics. Physical Review Letters, 2013, 111, 127204.	2.9	79
11	Long-range chemical order effects upon the magnetic anisotropy of FePt alloys from an ab initio electronic structure theory. Journal of Physics Condensed Matter, 2004, 16, S5623-S5631.	0.7	77
12	Lattice Relaxation Driven Reorientation Transition in Ni <sub>90</sub> /Cu(100). Physical Review Letters, 1999, 82, 1289-1292.	2.9	70
13	Imaging Spin-Reorientation Transitions in Consecutive Atomic Co Layers on Ru(0001). Physical Review Letters, 2006, 96, 147202.	2.9	68
14	Complex magnetic phase diagram and skyrmion lifetime in an ultrathin film from atomistic simulations. Physical Review B, 2016, 93, .	1.1	65
15	Formation and stability of metastable skyrmionic spin structures with various topologies in an ultrathin film. Physical Review B, 2017, 95, .	1.1	61
16	Spin polarization on Fermi surfaces of metals by the KKR method. Physical Review B, 2009, 80, .	1.1	59
17	'Band structure' and electrical conductivity of disordered layered systems. Journal of Physics Condensed Matter, 1996, 8, 7677-7688.	0.7	58
18	Ab initio calculations of magnetotransport for magnetic multilayers. Physical Review B, 1999, 60, 492-501.	1.1	56

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19	First-principles study of spin-dependent thermoelectric properties of half-metallic Heusler thin films between platinum leads. <i>Physical Review B</i> , 2014, 89, .	1.1	56
20	Magnetic anisotropy in Fe/Cu(001) overlayers and interlayers: The high-moment ferromagnetic phase. <i>Physical Review B</i> , 1996, 54, 9883-9890.	1.1	55
21	Exchange Bias Driven by Dzyaloshinskii-Moriya Interactions. <i>Physical Review Letters</i> , 2013, 111, 217202.	2.9	52
22	Oscillatory behavior of the magnetic anisotropy energy in Cu(100)/Co multilayer systems. <i>Physical Review B</i> , 1997, 56, 14036-14044.	1.1	49
23	Perpendicular magnetism in magnetic multilayer systems. <i>Computational Materials Science</i> , 2000, 17, 414-437.	1.4	49
24	Spin-orbit coupling induced splitting of Yu-Shiba-Rusinov states in antiferromagnetic dimers. <i>Nature Communications</i> , 2021, 12, 2040.	5.8	48
25	Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn <sub>3</sub> Sn. <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	45
26	Development of antiferromagnetic Heusler alloys for the replacement of iridium as a critically raw material. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 443001.	1.3	43
27	Magnetism of 4d and 5d layers on Ag(001) and Au(001): Comparison between a nonrelativistic and a fully relativistic approach. <i>Physical Review B</i> , 1995, 51, 12836-12839.	1.1	42
28	Inducing skyrmions in ultrathin Fe films by hydrogen exposure. <i>Nature Communications</i> , 2018, 9, 1571.	5.8	40
29	Magnetic properties of thin films of Co and of (CoPt) superstructures on Pt(100) and Pt(111). <i>Physical Review B</i> , 1999, 60, 414-421.	1.1	34
30	Onset of Magnetic Order in fcc-Fe Films on Cu(100). <i>Physical Review Letters</i> , 2002, 88, 147201.	2.9	34
31	Noble metal capping effects on the spin-reorientation transitions of Co/Ru(0001). <i>New Journal of Physics</i> , 2008, 10, 073024.	1.2	34
32	Magnetic structure and anisotropy in Fe/Cu(001) over- and interlayers with antiferromagnetic interlayer coupling. <i>Physical Review B</i> , 1997, 55, 14392-14396.	1.1	33
33	Electronic and structural properties of Cu-Au alloys. <i>Physical Review B</i> , 1994, 49, 13366-13372.	1.1	27
34	Magnetic anisotropy of FePt: Effect of lattice distortion and chemical disorder. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	26
35	Antiferromagnetism in $R_2MnZ$		

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37	Overlayer-dependent magnetic moment and anisotropy of a Co monolayer on Cu(100). Physical Review B, 1998, 57, 8838-8841.	1.1	25
38	Magnetic anisotropy of Fe <sub>x</sub> Co <sub>1-x</sub> multilayers on Cu(001): Reorientation transition of magnetic moments due to different interlayer coupling. Physical Review B, 1998, 58, 6316-6320.	1.1	23
39	The self-consistent fully relativistic SKKR Green function method: applications to the (100), (110) and (111) surfaces of Au and Pt. Journal of Physics Condensed Matter, 1994, 6, 3301-3306.	0.7	22
40	Evaluation of the optical conductivity tensor in terms of contour integrations. Journal of Physics Condensed Matter, 1999, 11, 10451-10458.	0.7	21
41	Magnetic phase diagram of an Fe monolayer on W(110) and Ta(110) surfaces based on <i>ab initio</i> calculations. Physical Review B, 2015, 91, .	1.1	21
42	Orbital-dependent electron tunneling within the atom superposition approach: Theory and application to W(110). Physical Review B, 2012, 86, .	1.1	20
43	Band bending at the surface of Bi <sub>2</sub> Se <sub>3</sub> studied from first principles. New Journal of Physics, 2015, 17, 123011.	1.2	19
44	Theoretical band-structure spectroscopy of Au <sub>x</sub> Pd <sub>1-x</sub> alloys. Physical Review B, 1993, 47, 10154-10157.	1.1	18
45	On calculating the magnetic state of nanostructures. Progress in Materials Science, 2007, 52, 371-387.	16.0	18
46	Magnetic pattern formation on the nanoscale due to relativistic exchange interactions. Physica B: Condensed Matter, 2008, 403, 402-404.	1.3	18
47	Magnetization compensation and spin reorientation transition in ferrimagnetic $\text{DyCo}_5$ : Multiscale modeling and element-specific measurements. Physical Review B, 2017, 96, .	1.1	18
48	Theoretical study of the role of the tip in enhancing the sensitivity of differential conductance tunneling spectroscopy on magnetic surfaces. Physical Review B, 2011, 83, .	1.1	17
49	Spin-correlations and magnetic structure in an Fe monolayer on 5 <i>d</i> transition metal surfaces. Journal of Physics Condensed Matter, 2014, 26, 186001.	0.7	17
50	Disorder, ordering, and superstructures of (FePt) and (CoPt) on Pt substrates. Physical Review B, 1999, 60, 11910-11913.	1.1	16
51	Simulation of spin-polarized scanning tunneling microscopy on complex magnetic surfaces: Case of a Cr monolayer on Ag(111). Physical Review B, 2011, 84, .	1.1	16
52	Calculation of the electronic structure of YBa <sub>2</sub> (Cu <sub>1-x</sub> Zn <sub>x</sub> ) <sub>3</sub> O <sub>7</sub> in terms of the real-space-scattering coherent-potential approximation. Physical Review B, 1990, 42, 432-435.	1.1	15
53	Magnetic Anisotropy of an Impurity in a Semi-Infinite Host. Physical Review Letters, 1997, 78, 3765-3768.	2.9	15
54	Relativistic calculation of CV and CVVA Auger-electron spectra: Applications to Ti <sub>0.5</sub> Al <sub>0.5</sub> N and Pd. Physical Review B, 1992, 46, 2015-2023.	1.1	14

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55	On tilted magnetization in thin films. Journal of Magnetism and Magnetic Materials, 1998, 183, 283-291.	1.0	14
56	Proper and improper chiral magnetic interactions. Physical Review B, 2021, 103, .	1.1	14
57	Exceptional sign changes of the nonlocal spin Seebeck effect in antiferromagnetic hematite. Physical Review B, 2021, 103, .	1.1	14
58	Ordering in high-Tc superconducting systems: Effective pair interactions in Y-Ba-Cu-O. Physical Review B, 1991, 43, 3768-3770.	1.1	13
59	The TB-LMTO method and its relation to the screened KKR method. International Journal of Quantum Chemistry, 1997, 63, 165-188.	1.0	13
60	Role of electronic structure in magnetic tunneling. Journal of Magnetism and Magnetic Materials, 1998, 189, L131-L135.	1.0	13
61	Multiple reorientation transition of the magnetization of free surfaces of Fe on Ag(100). Physical Review B, 1998, 58, 5539-5543.	1.1	13
62	<i>Ab initio</i> calculation of Heisenberg parameters in thin magnetic films. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 78, 617-622.	0.6	13
63	A numerically improved computational scheme for the optical conductivity tensor in layered systems. Journal of Physics Condensed Matter, 2001, 13, 1529-1538.	0.7	13
64	On the calculation of the magnetoresistance of tunnel junctions with parallel paths of conduction. Philosophical Magazine, 2003, 83, 1255-1286.	0.7	13
65	Simulation of spin-polarized scanning tunneling spectroscopy on complex magnetic surfaces: Case of a Cr monolayer on Ag(111). Physical Review B, 2012, 85, .	1.1	13
66	Langevin spin dynamics based on <i>ab initio</i> calculations: numerical schemes and applications. Journal of Physics Condensed Matter, 2014, 26, 216003.	0.7	12
67	Coexistence of antiferromagnetism and superconductivity in Mn/Nb(110). Physical Review B, 2022, 105, .	1.1	12
68	Effect of stacking faults on the magnetocrystalline anisotropy of hcp Co: a first-principles study. Journal of Physics Condensed Matter, 2013, 25, 296006.	0.7	11
69	Relativistic first-principles theory of Yu-Shiba-Rusinov states applied to Mn adatoms and Mn dimers on Nb(110). Physical Review B, 2021, 104, .	1.1	11
70	Superlattice symmetry in magnetic multilayer systems. Physical Review B, 1998, 57, 7804-7813.	1.1	10
71	Spin-resolved appearance potential spectroscopy investigations on Fe/Cu(001) overlayers. Physical Review B, 2000, 61, 15241-15245.	1.1	10
72	Layer-Resolved Magneto-Optical Kerr Effect In Semi-Infinite Inhomogeneous Layered Systems. Phase Transitions, 2002, 75, 167-184.	0.6	10

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73	Route towards finding large magnetic anisotropy in nanocomposites: Application to a $W_{1-x}Re_x$ multilayer. Physical Review B, 2011, 84, .		
74	Anomalous perpendicular magnetic anisotropy in a Co monolayer on Au(111). Journal of Magnetism and Magnetic Materials, 1997, 165, 254-257.	1.0	9
75	Ab initio study of canted magnetism of finite atomic chains at surfaces. Journal of Physics Condensed Matter, 2004, 16, S5833-S5840.	0.7	9
76	Effects of composition and chemical disorder on the magnetocrystalline anisotropy of $Fe_{1-x}Pt_x$ alloys. Europhysics Letters, 2013, 102, 57004.	0.7	9
77	Relativistic and thermal effects on the magnon spectrum of a ferromagnetic monolayer. Journal of Physics Condensed Matter, 2013, 25, 506002.	0.7	9
78	Tensile strain-induced softening of iron at high temperature. Scientific Reports, 2015, 5, 16654.	1.6	9
79	Spin-polarized scanning tunneling microscopy characteristics of skyrmionic spin structures exhibiting various topologies. Physical Review B, 2017, 96, .	1.1	9
80	Layer-resolved optical conductivity of multilayers. Journal of Magnetism and Magnetic Materials, 2002, 240, 215-216.	1.0	8
81	Magnetic properties of a Cr trimer on Au(111) surface. Journal of Magnetism and Magnetic Materials, 2007, 316, 118-121.	1.0	8
82	Spontaneous creation and annihilation dynamics of magnetic skyrmions at elevated temperature. Physical Review B, 2021, 104, .	1.1	8
83	$L_1$ -ordered $Fe_{1-x}Mn_x$ thin films: Phas. Physical Review B, 2020, 102, .	1.1	8
84	Noncollinear antiferromagnetic states in Ru-based Heusler compounds induced by biquadratic coupling. Physical Review Materials, 2020, 4, .	0.9	8
85	Current-induced switching of antiferromagnetic order in $Mn_2Sb$ from first principles. Physical Review B, 2022, 105, .		
86	Exchange interactions from a nonorthogonal basis set: From bulk ferromagnets to the magnetism in low-dimensional graphene systems. Physical Review B, 2019, 99, .	1.1	7
87	Element-specific Magnetization Damping in Ferrimagnetic $DyCo_5$ Alloys Revealed by Ultrafast X-ray Measurements. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100047.	1.2	7
88	Electronic and Magnetic Properties of Building Blocks of Mn and Fe Atomic Chains on Nb(110). Nanomaterials, 2021, 11, 1933.	1.9	7
89	Nonstoichiometry studies of the Y-Ba-Cu-O system in terms of a real-space scattering coherent-potential approximation. Physical Review B, 1990, 41, 1973-1978.	1.1	6
90	Giant magnetoresistance of repeated multilayers of $Cu_3Ni_3$ embedded in Cu(100). The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 78, 549-555.	0.6	6

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91	Reorientation transition in Cu(100)/Ni/Co. Physical Review B, 2000, 62, 5305-5308.	1.1	6
92	Magnetic properties, interlayer exchange coupling and electric transport in Fe/Cr/Fe trilayers. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 85-104.	0.6	6
93	Interlayer exchange coupling and giant magnetoresistance. Journal of Physics Condensed Matter, 2003, 15, S479-S494.	0.7	6
94	Theoretical study of magnetic domain walls through a cobalt nanocontact. Physical Review B, 2012, 86, .	1.1	6
95	Site-Resolved Contributions to the Magnetic-Anisotropy Energy and Complex Spin Structure of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{MgO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Sandwiches. Physical Review Applied, 2018, 9, .	1.5	6
96	An approximate calculation for transport in magnetic tunnel junctions in the presence of localized states. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 763-769.	0.6	5
97	Aspects of magnetotunnelling drawn from <i>ab-initio</i> -type calculations. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1027-1045.	0.6	5
98	Theory of metallic magnetism at finite temperatures in bulk materials and thin films. Physica B: Condensed Matter, 2002, 318, 316-320.	1.3	5
99	Enhancement of the spin transfer torque efficiency in magnetic STM junctions. Physical Review B, 2016, 94, .	1.1	5
100	Microscopic origin of ferro-antiferromagnetic transition upon non-magnetic substitution in Ru <sub>2</sub> (Mn <sub>1-x</sub> V <sub>x</sub> )Ge full Heusler alloys. Journal of Alloys and Compounds, 2017, 692, 178-182.	2.8	5
101	Spin reorientation transition in an ultrathin Fe film on W(110) induced by Dzyaloshinsky-Moriya interactions. Physical Review B, 2020, 102, .	1.1	5
102	$\text{\$mathit{Ab-initio}\$}$ Determination of Magnetic Interface Coupling Constants for Magnetic Multilayers. Journal De Physique, I, 1997, 7, 1299-1304.	1.2	5
103	Perpendicular electric transport in Fe/X/Fe model heterostructures. Journal of Applied Physics, 2002, 91, 8777.	1.1	4
104	Theory of electric transport through Fe/V/Fe trilayers including the effect of impurities. Physica Status Solidi (B): Basic Research, 2005, 242, 271-277.	0.7	4
105	Magnetic properties of quantum corrals from first-principles calculations. Journal of Physics Condensed Matter, 2005, 17, S1037-S1048.	0.7	4
106	Reply to "Comment on "Proper and improper chiral magnetic interactions" ". Physical Review B, 2022, 105, .	1.1	4
107	Electronic structure of YBa <sub>2</sub> (Cu <sub>1-x</sub> Ni <sub>x</sub> ) <sub>3</sub> O <sub>7</sub> in terms of the real-space-scattering coherent-potential approximation. Physical Review B, 1991, 43, 519-522.	1.1	3
108	Magnetic properties of ferromagnetic FeCu "superlattices" on Cu(100). The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 78, 591-595.	0.6	3

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109	Concentration dependent spin-flip energies for alloyed surface magnets. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 78, 603-610.	0.6	3
110	Magneto-optical properties of Co/Pt multilayer systems. Journal of Applied Physics, 2002, 91, 7291.	1.1	3
111	Perpendicular transport in Fe/InP/Fe heterostructures. Journal of Magnetism and Magnetic Materials, 2002, 240, 180-182.	1.0	3
112	Ab Initio Study of Electric Transport and Interlayer Exchange Coupling in Fe-Si-Fe Systems. Phase Transitions, 2003, 76, 523-532.	0.6	3
113	Anisotropy of exchange interactions between impurities on Cu(110) surface. Journal of Physics: Conference Series, 2010, 200, 032067.	0.3	3
114	Order-disorder phase transitions in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+2c</sub> : The asymmetric next-nearest-neighbour interaction model revised from a first-principles point of view. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 69, 683-696.	0.6	2
115	Spin-polarized X-ray emission spectroscopy of capped thin Co films on Cu(100). Solid State Communications, 1998, 108, 343-348.	0.9	2
116	Layer- and component-resolved magnetic moments and anisotropy energies in (Fe <sub>x</sub> Co <sub>1-x</sub> ) <sub>2</sub> Te. Journal of Applied Physics, 1998, 78, 597-602.	0.6	2
117	Magnetic properties of iron adatoms and small iron clusters on Ag(100). Journal of Magnetism and Magnetic Materials, 2002, 240, 331-333.	1.0	2
118	CPP transport in Fe/Cr/Fe trilayers with Mn impurities: an ab initio study. Phase Transitions, 2004, 77, 191-200.	0.6	2
119	Temperature dependent magneto-crystalline anisotropy of thin films: A relativistic disordered local moment approach. Journal of Magnetism and Magnetic Materials, 2007, 316, e371-e373.	1.0	2
120	Magnetic ordering in Fe/Co sandwiches on Cu(100). Journal of Physics Condensed Matter, 2009, 21, 265004.	0.7	2
121	Magnetic anisotropy and chirality of frustrated Cr nanostructures on Au(111). Journal of Physics Condensed Matter, 2014, 26, 436001.	0.7	2
122	Magnetic correlations beyond the Heisenberg model in an Fe monolayer on Rh(111). Journal of Physics Condensed Matter, 2015, 27, 146003.	0.7	2
123	Theory of high-resolution tunneling spin transport on a magnetic skyrmion. Physical Review B, 2018, 97, .	1.1	2
124	Metadynamics study of the temperature dependence of magnetic anisotropy and spin-reorientation transitions in ultrathin films. Physical Review B, 2019, 100, .	1.1	2
125	Fully relativistic spin-polarized description of interface exchange coupling for Fe multilayers in Au(100). Journal of Magnetism and Magnetic Materials, 1996, 156, 255-256.	1.0	1
126	Surface-Induced Magnetic Anisotropy of Impurities. IEEE Transactions on Magnetics, 2008, 44, 2772-2775.	1.2	1



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127	The effect of a Pt impurity layer on the magnetocrystalline anisotropy of hexagonal close-packed Co: a first-principles study. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 406001.	0.7	1
128	Non-Collinear Magnetic Configurations at Finite Temperature in Thin Films. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	1
129	Role of temperature-dependent spin model parameters in ultra-fast magnetization dynamics. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 314003.	0.7	1
130	A multiscale model of the effect of Ir thickness on the static and dynamic properties of Fe/Ir/Fe films. <i>Scientific Reports</i> , 2018, 8, 3879.	1.6	1
131	High-resolution tunneling spin transport characteristics of topologically distinct magnetic skyrmionic textures from theoretical calculations. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 519, 167440.	1.0	1
132	Effects of nonstoichiometry, ordering, and Bi substitution with Pb in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , 1991, 43, 13025-13031.	1.1	0
133	Spin-polarized X-ray emission spectroscopy for disordered semi-infinite systems. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 78, 513-517.	0.6	0
134	Theoretical investigations of spin-resolved appearance potential spectroscopy for Fe/Cu(001) overlayers. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 78, 497-501.	0.6	0
135	Magnetic multilayers and nanostructures. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	0
136	Ab initio study of CPP transport in Fe/Cr/Fe trilayers: influence of transition metal impurities. <i>Materials Research Society Symposia Proceedings</i> , 2002, 746, 1.	0.1	0
137	Spin-polarization in ccv Auger electron spectroscopy for transition metals. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 340-342.	1.0	0
138	Monte Carlo study on magnetic nanoparticles from first principle. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072103.	0.3	0
139	Screened KKR. <i>Springer Proceedings in Physics</i> , 2018, , 381-386.	0.1	0