

Josef Kudrnovsky

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	First-principles theory of dilute magnetic semiconductors. <i>Reviews of Modern Physics</i> , 2010, 82, 1633-1690.	45.6	959
2	Room-temperature antiferromagnetic memory resistor. <i>Nature Materials</i> , 2014, 13, 367-374.	27.5	546
3	Ab initio calculations of exchange interactions, spin-wave stiffness constants, and Curie temperatures of Fe, Co, and Ni. <i>Physical Review B</i> , 2001, 64, .	3.2	479
4	Electronic Structure of Disordered Alloys, Surfaces and Interfaces. , 1997, , .		401
5	Exchange interactions in III-V and group-IV diluted magnetic semiconductors. <i>Physical Review B</i> , 2004, 69, .	3.2	283
6	Magnetic Percolation in Diluted Magnetic Semiconductors. <i>Physical Review Letters</i> , 2004, 93, 137202.	7.8	263
7	Electronic structure of random alloys by the linear band-structure methods. <i>Physical Review B</i> , 1990, 41, 7515-7528.	3.2	173
8	Electronic and nuclear chemical reactivity. <i>Journal of Chemical Physics</i> , 1994, 101, 8988-8997.	3.0	170
9	Magnetism without magnetic impurities in ZrO ₂ oxide. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	152
10	Effects of resonant interface states on tunneling magnetoresistance. <i>Physical Review B</i> , 2002, 65, .	3.2	130
11	Exchange interactions, spin waves, and transition temperatures in itinerant magnets. <i>Philosophical Magazine</i> , 2006, 86, 1713-1752.	1.6	127
12	Electronic structures and magnetic moments of Fe _{3+y} Si _{1-y} and Fe _{3-x} V _x Si alloys with DO ₃ -derived structure. <i>Physical Review B</i> , 1991, 43, 5924-5933.	3.2	125
13	Exchange interactions and Curie temperatures in Ni _{2-x} MnSb alloys: First-principles study. <i>Physical Review B</i> , 2006, 73, .	3.2	117
14	Reactivity kernels, the normal modes of chemical reactivity, and the hardness and softness spectra. <i>Journal of Chemical Physics</i> , 1995, 103, 3543-3551.	3.0	112
15	Oscillatory Curie Temperature of Two-Dimensional Ferromagnets. <i>Physical Review Letters</i> , 2000, 85, 5424-5427.	7.8	109
16	Interface resistance of disordered magnetic multilayers. <i>Physical Review B</i> , 2001, 63, .	3.2	107
17	Calculating the Curie temperature reliably in diluted III-V ferromagnetic semiconductors. <i>Europhysics Letters</i> , 2005, 69, 812-818.	2.0	101
18	Canonical description of electron states in random alloys. <i>Physical Review B</i> , 1987, 35, 2487-2489.	3.2	96

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19	On-site Coulomb interaction and the magnetism of (GaMn)N and (GaMn)As. Physical Review B, 2004, 69, .	3.2	96
20	Ab initio theory of perpendicular magnetotransport in metallic multilayers. Physical Review B, 2000, 62, 15084-15095.	3.2	94
21	Disordered magnetic multilayers: Electron transport within the coherent potential approximation. Physical Review B, 2006, 73, .	3.2	93
22	Mn-Stabilized Zirconia: From Imitation Diamonds to a New Potential High-TC Ferromagnetic Spintronics Material. Physical Review Letters, 2007, 98, 016101.	7.8	93
23	Interatomic electron transport by semiempirical and ab initio tight-binding approaches. Physical Review B, 2002, 65, .	3.2	85
24	Itinerant magnetism of disordered Fe-Co and Ni-Cu alloys in two and three dimensions. Physical Review B, 1994, 49, 3352-3362.	3.2	79
25	Interlayer magnetic coupling: Effect of interface roughness. Physical Review B, 1996, 53, 5125-5128.	3.2	78
26	Ab initio theory of exchange interactions and the Curie temperature of bulk Gd. Journal of Physics Condensed Matter, 2003, 15, 2771-2782.	1.8	76
27	Dilute Moment-Type Ferromagnetic Semiconductor Li(Zn,Mn)As. Physical Review Letters, 2007, 98, 067202.	7.8	75
28	Magnetic impurities and materials design for semiconductor spintronics. Physica B: Condensed Matter, 2003, 340-342, 863-869.	2.7	72
29	Lattice constant in diluted magnetic semiconductors (Ga,Mn)As. Physical Review B, 2003, 67, .	3.2	72
30	Ferromagnetism in diluted magnetic semiconductors: A comparison between ab initio mean-field, RPA, and Monte Carlo treatments. Physical Review B, 2003, 68, .	3.2	70
31	On the calculation of the surface Green function by the tight-binding linear muffin-tin orbital method. Journal of Physics Condensed Matter, 1989, 1, 9893-9897.	1.8	69
32	Application of ab initio and CALPHAD thermodynamics to Mo-Ta-W alloys. Physical Review B, 2005, 71, .	3.2	65
33	Coulomb correlation effects on the electronic structure of III-V diluted magnetic semiconductors. Physical Review B, 2004, 69, .	3.2	63
34	Magnetic anisotropy energy of disordered tetragonal Fe-Co systems from ab initio alloy theory. Physical Review B, 2012, 86, .	3.2	59
35	Orbital symmetry, reactivity, and transition metal surface chemistry. Physical Review Letters, 1994, 72, 3222-3225.	7.8	57
36	Magnetic properties and disorder effects in diluted magnetic semiconductors. Physical Review B, 2005, 72, .	3.2	57

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37	Ab initio theory of galvanomagnetic phenomena in ferromagnetic metals and disordered alloys. Physical Review B, 2012, 86, .	3.2	57
38	Potential, core-level, and d-band shifts at transition-metal surfaces. Physical Review B, 1996, 54, 8892-8898.	3.2	55
39	Exchange coupling in transition-metal ferromagnets. Physical Review B, 2000, 62, 5293-5296.	3.2	55
40	First-principles study of surface segregation in Cu-Ni alloys. Physical Review B, 1993, 48, 2704-2710.	3.2	54
41	Self-consistent Green's-function method for random overlayers. Physical Review B, 1992, 46, 4222-4228.	3.2	53
42	Interlayer Exchange Coupling: The Effect of Substitutional Disorder. Physical Review Letters, 1996, 76, 4254-4257.	7.8	53
43	Physical properties of FeRh alloys: The antiferromagnetic to ferromagnetic transition. Physical Review B, 2015, 91, .	3.2	53
44	Compensation, interstitial defects, and ferromagnetism in diluted ferromagnetic semiconductors. Physical Review B, 2005, 72, .	3.2	51
45	Theory of Oscillatory Exchange Coupling in Fe/(V,Cr) and Fe/(Cr,Mn). Physical Review Letters, 1995, 74, 4063-4066.	7.8	50
46	Effective interatomic interactions in inhomogeneous semi-infinite systems. Physical Review B, 1992, 45, 14328-14334.	3.2	49
47	Origins of surface alloy formation: Cu(001) _c (2 $\bar{1}$ -2)-Pd as a case study. Physical Review Letters, 1992, 69, 308-311.	7.8	47
48	Ferromagnetism of Imperfect Ultrathin Ru and Rh Films on a Ag(001) Substrate. Physical Review Letters, 1995, 74, 2551-2554.	7.8	47
49	Electronic, magnetic, and transport properties and magnetic phase transition in quaternary (Cu,Ni)MnSb Heusler alloys. Physical Review B, 2008, 78, .	3.2	47
50	Anomalous Hall effect in stoichiometric Heusler alloys with native disorder: A first-principles study. Physical Review B, 2013, 88, .	3.2	47
51	First-principles study of the electronic structure and exchange interactions in bcc europium. Physical Review B, 2003, 68, .	3.2	46
52	Magnetic properties of fcc Ni-based transition metal alloys. Physical Review B, 2008, 77, .	3.2	46
53	Self-consistent Green's-function method for surfaces of random alloys. Physical Review B, 1993, 47, 16525-16531.	3.2	44
54	Spin-disorder resistivity of ferromagnetic metals from first principles: The disordered-local-moment approach. Physical Review B, 2012, 86, .	3.2	44

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55	First-principles theoretical studies of half-metallic ferromagnetism in CrTe. Physical Review B, 2010, 82, .	3.2	43
56	The Auger spectra of metals: effect of electron correlations in partially filled narrow bands. Journal of Physics F: Metal Physics, 1984, 14, 2443-2453.	1.6	41
57	Mn-doped Ga(As,P) and (Al,Ga)As ferromagnetic semiconductors: Electronic structure calculations. Physical Review B, 2007, 75, .	3.2	41
58	First-principles study of stability and local order in substitutional Ta-W alloys. Physical Review B, 2001, 64, .	3.2	40
59	Magnetic coupling of interfaces: A surface-Greenâ€™s-function approach. Physical Review B, 1994, 50, 16105-16108.	3.2	39
60	Curie temperatures of fcc and bcc nickel and permalloy: Supercell and Greenâ€™s function methods. Physical Review B, 2008, 77, .	3.2	39
61	Approximate treatment of charge selfconsistency and lattice relaxations in random transition metal alloys: Application to CuPd system. Solid State Communications, 1989, 70, 577-580.	1.9	37
62	Comparative study of the electronic structure of ordered, partially ordered, and disordered phases of theCu3Au alloy. Physical Review B, 1991, 43, 4613-4621.	3.2	37
63	Can correlated substitution enhance the Curie temperature in diluted magnetic semiconductors?. Applied Physics Letters, 2004, 85, 4941-4943.	3.3	36
64	Stability and ordering properties of fcc alloys based on Rh, Ir, Pd, and Pt. Physical Review B, 2006, 74, .	3.2	36
65	Microscopic Analysis of the Valence Band and Impurity Band Theories of (Ga,Mn)As. Physical Review Letters, 2010, 105, 227202.	7.8	36
66	Interlayer magnetic coupling: The torque method. Physical Review B, 1996, 53, 15036-15044.	3.2	35
67	Electronic structure of semiinfinite crystals with substitutional disorder in surface layer. Surface Science, 1977, 64, 411-424.	1.9	34
68	Electronic structure and magnetic properties of random alloys: Fully relativistic spin-polarized linear muffin-tin-orbital method. Physical Review B, 1996, 54, 1610-1621.	3.2	34
69	Fermi sea term in the relativistic linear muffin-tin-orbital transport theory for random alloys. Physical Review B, 2014, 89, .	3.2	34
70	Theoretical study of ordering in Fe-Al alloys based on a density-functional generalized-perturbation method. Physical Review B, 1997, 55, 8184-8193.	3.2	33
71	Substrate-induced antiferromagnetism of a Fe monolayer on the Ir(001) surface. Physical Review B, 2009, 80, .	3.2	33
72	Electronic properties of surfaces of disordered alloys. Physical Review B, 1991, 44, 6410-6415.	3.2	32

#	ARTICLE	IF	CITATIONS
73	Stability of mixed quaternary Heusler alloys $\text{Ni}_{1-x-y-z}\text{Mn}_x\text{Co}_y\text{Sn}_z$		

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#	ARTICLE	IF	CITATIONS
91	Ab Initio Study of Curie Temperatures of Diluted Magnetic Semiconductors. Journal of Superconductivity and Novel Magnetism, 2003, 16, 119-122.	0.5	25
92	Relativistic LMTO method for systems of light elements. Philosophical Magazine, 2008, 88, 2787-2798.	1.6	25
93	Residual resistivity of diluted III-V magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5607-S5614.	1.8	24
94	Electronic structure of random semiconductor alloys by the tight-binding linear muffin-tin orbital method. Physical Review B, 1989, 40, 10029-10032.	3.2	23
95	Effect of disorder on the electronic structure of palladium. Physical Review B, 1990, 41, 7988-7998.	3.2	22
96	Ab initio theory of exchange interactions in itinerant magnets. Physica Status Solidi (B): Basic Research, 2003, 236, 318-324.	1.5	22
97	Temperature dependence of the interlayer exchange coupling in magnetic multilayers: An ab initio approach. Physical Review B, 1999, 60, 9588-9595.	3.2	21
98	Electronic structure of ordered and disordered $\text{Cu}_x\text{Pd}_{1-x}$ alloys via the linear-muffin-tin-orbitals method. Physical Review B, 1992, 45, 8272-8282.	3.2	20
99	Ab initio theory of surface segregation: Self-consistent determination of the concentration profile. Physical Review B, 1996, 54, 8202-8212.	3.2	20
100	Interface reflectivities and quantum-well states in magnetic multilayers. Physical Review B, 1998, 58, 13721-13733.	3.2	20
101	Frustration and long-range behavior of the exchange interactions in AuFe spin-glass alloys. Physical Review B, 2004, 70, .	3.2	20
102	Half-metallicity and magnetism of GeTe doped with transition metals V, Cr, and Mn: A theoretical study from the viewpoint of application in spintronics. Journal of Applied Physics, 2012, 112, 053902.	2.5	20
103	Transport properties of iron at Earth's core conditions: The effect of spin disorder. Physical Review B, 2017, 96, .	3.2	20
104	Electronic structure and magnetism of diluted magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5481-S5489.	1.8	19
105	Noncollinear magnetic ordering in compressed FePd ordered alloy: A first principles study. Physical Review B, 2012, 86, .	3.2	19
106	Theory of the Auger Spectra of Narrow-Band Metals with Impurities. Physica Status Solidi (B): Basic Research, 1981, 108, 683-692.	1.5	18
107	Amplitude and Phase of the Oscillatory Exchange Coupling between Fe-Co-Ni Alloy Layers across a Cu Spacer Layer. Physical Review Letters, 1997, 78, 358-361.	7.8	18
108	Dynamical electron correlations in weakly interacting systems: TB-LMTO approach to metals and random alloys. Physical Review B, 1999, 60, 15664-15673.	3.2	18

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109	Electronic structure of disordered overlayers on metal substrates. Physical Review B, 1991, 44, 4068-4071.	3.2	17
110	Effects of atomic and magnetic order on electronic transport in Pd-rich Pd-Fe alloys. Physical Review B, 2011, 84, .	3.2	17
111	Interlayer exchange coupling through ordered and disordered alloy spacers. Journal of Magnetism and Magnetic Materials, 1997, 165, 128-133.	2.3	16
112	Magnetoresistance in domain walls: effect of randomness. Surface Science, 2001, 482-485, 1107-1112.	1.9	16
113	Electronic and transport properties of the Mn-doped topological insulator $\text{Bi}_{1-x}\text{Mn}_x\text{Sb}$. A first-principles study. Physical Review B, 2016, 93, .	3.2	16
114	Physical properties of the tetragonal CuMnAs: A first-principles study. Physical Review B, 2017, 96, .	3.2	16
115	Electronic structure of ordered and disordered Pd ₃ Fe. Journal of Magnetism and Magnetic Materials, 1990, 87, 97-105.	2.3	15
116	Unified approach to electronic, thermodynamical, and transport properties of Fe_3P . Physical Review B, 2014, 90, .	3.2	15
117	On the orientational dependence of giant magnetoresistance. European Physical Journal B, 1999, 9, 245-250.	1.5	13
118	Electronic structure and transport properties of CrAs ¹¹¹ GaAs ¹¹¹ CrAs trilayers from first principles theory. Physical Review B, 2004, 70, .	3.2	13
119	First-principles study of spin-disorder resistivity of heavy rare-earth metals: Gd ¹¹¹ Tm series. Physical Review B, 2012, 85, .	3.2	13
120	Theory of chemisorption. European Physical Journal D, 1985, 35, 1017-1032.	0.4	12
121	Electronic structure in random alloys: Cooperation of structural and chemical disorders. Solid State Communications, 1986, 58, 67-70.	1.9	12
122	Phase diagram of the Cu-Pd surface alloy: A first-principles calculation. Physical Review B, 1995, 51, 17910-17915.	3.2	12
123	Exchange interactions and critical temperatures in diluted magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5571-S5578.	1.8	12
124	Effective magnetic Hamiltonians from first principles. EPJ Web of Conferences, 2013, 40, 11001.	0.3	12
125	Correlated Doping in Semiconductors: the Role of Donors in III-V Diluted Magnetic Semiconductors. Acta Physica Polonica A, 2002, 102, 673-678.	0.5	12
126	Electronic structure of random Ag-Pd and Ag-vacancy overlayers on an fcc Pd(001) substrate. Physical Review B, 1993, 48, 1870-1876.	3.2	11

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127	New Type of Oscillatory Exchange Coupling Induced by Ordering in the Magnetic Layers. Physical Review Letters, 1996, 76, 3834-3837.	7.8	11
128	Ordering and segregation in XPt_2 ($X=V, Cu, \text{ and } Au$) random alloys. Physical Review B, 2001, 64, .	3.2	11
129	Origin of the negative giant magnetoresistance effect in $Co_{1-x}Cr_x/Cu/Co(111)$ trilayers. Physical Review B, 2004, 69, .	3.2	11
130	Influence of oxygen and hydrogen adsorption on the magnetic structure of an ultrathin iron film on an Ir(001) surface. Physical Review B, 2013, 88, .	3.2	11
131	Galvanomagnetic properties of partially ordered B_2L alloys. Physical Review B, 2014, 89, .	3.2	11
132	Electronic structure of random non-isocoric transition metal alloys. Solid State Communications, 1988, 65, 613-616.	1.9	10
133	Calculation of equilibrium lattice parameters and the heat of mixing for the system Au/Pd by the relativistic Korringa-Kohn-Rostoker coherent-potential-approximation method. Physical Review B, 1993, 48, 7866-7871.	3.2	10
134	Ab-initio calculations of the electronic and atomic structure of solids and their surfaces. Computer Physics Communications, 1996, 97, 111-123.	7.5	10
135	Reformulation of the Korringa - Kohn - Rostoker coherent potential approximation for the treatment of space-filling cell potentials and charge-transfer effects. Journal of Physics Condensed Matter, 1996, 8, 7869-7881.	1.8	10
136	Relation of Curie temperature and conductivity: (Ga,Mn)As alloy as a case study. Applied Physics Letters, 2007, 91, .	3.3	10
137	Pressure effect on magnetic moments in ordered Ni_3Mn and disordered $Ni_{100-x}Mn_x$ alloys: ab initio calculation and experiment. High Pressure Research, 2011, 31, 116-120.	1.2	10
138	Electronic and transport properties of a new quaternary Heusler alloy CoMnFeSi. Physical Review B, 2018, 97, .	3.2	10
139	Compositional Dependence of the Formation Energies of Substitutional and Interstitial Mn in Partially Compensated (Ga,Mn)As. Acta Physica Polonica A, 2004, 105, 637-644.	0.5	10
140	Electrical conductivity of electrons in a model binary disordered alloy with long range order. European Physical Journal D, 1977, 27, 71-87.	0.4	9
141	Theory of auger spectra from disordered alloys the effect of electron correlations in filled narrow bands. Physica Status Solidi (B): Basic Research, 1982, 114, 627-635.	1.5	9
142	The Electronic Structure of Palladium-Noble Metal Alloys. Physica Status Solidi (B): Basic Research, 1988, 148, K23.	1.5	9
143	The CPP transport in metallic magnetic multilayers. Surface Science, 2000, 454-456, 918-924.	1.9	9
144	Theory of angle-resolved photoemission from alloys: the normal spectra from copper-rich alloys. Journal of Physics F: Metal Physics, 1986, 16, 943-959.	1.6	8

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145	Charge-transfer effects in disordered alloys: the test case of Al - Li alloys. Journal of Physics Condensed Matter, 1996, 8, 7883-7898.	1.8	8
146	Chemical ordering and composition fluctuations at the (001) surface of the Fe ₆₄ Ni ₃₆ Invar alloy. Physical Review B, 2006, 74, .	3.2	8
147	Magnetic phase stability of monolayers: Fe on a Ta _{1-x} W _{1+x} (001) random alloy as a case study. Physical Review B, 2010, 81, .	3.2	8
148	Magnetism, half-metallicity and electrical transport properties of V- and Cr-doped semiconductor SnTe: A theoretical study. Journal of Applied Physics, 2013, 114, 213704.	2.5	8
149	Defect-induced magnetic structure of CuMnSb. Physical Review B, 2016, 94, .	3.2	8
150	Disordered Alloys and Their Surfaces: The Coherent Potential Approximation. , 1999, , 349-378.		8
151	The Two Band Models in the Theory of Disordered Substitutional Alloys. Physica Status Solidi (B): Basic Research, 1975, 70, 759-766.	1.5	7
152	Interference, resonances, and bound states at the Pd(001) and Rh(001) surfaces. Physical Review B, 1994, 50, 11142-11145.	3.2	7
153	Electronic theory of surface segregation in transition metal alloys. Surface Science, 1994, 307-309, 821-825.	1.9	7
154	Ab-initio theory of the CPP-magnetoconductance. European Physical Journal D, 1999, 49, 1583-1589.	0.4	7
155	Exchange interactions and Curie temperatures in diluted magnetic semiconductor. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1983-1984.	2.3	7
156	Phase stability and ordering in diluted magnetic III-V semiconductors. Philosophical Magazine, 2004, 84, 1889-1905.	1.6	7
157	Band mapping of the weakly off-stoichiometric Heusler alloy $\text{Ni}_{1-x}\text{Mn}_x\text{Te}$ in the austenitic phase. Physical Review B, 2015, 91, .		7
158	Half-metallicity, magnetism and electrical resistivity of Sn _{1-x} Mn _x Te alloys in rock salt and zinc blende structures. Journal of Magnetism and Magnetic Materials, 2015, 375, 15-25.	2.3	7
159	Ab initio theory of the spin-dependent conductivity tensor and the spin Hall effect in random alloys. Physical Review B, 2019, 100, .	3.2	7
160	Temperature-dependent resistivity and anomalous Hall effect in NiMnSb from first principles. Physical Review B, 2019, 99, .	3.2	7
161	Alloy disorder and fluctuating magnetic moments in the Earth's core. Journal of Magnetism and Magnetic Materials, 2019, 475, 767-771.	2.3	7
162	Tetragonal CuMnAs alloy: Role of defects. Journal of Magnetism and Magnetic Materials, 2019, 474, 467-471.	2.3	7

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163	Correlation Effects on Adatoms: The Self-Consistent T-matrix Approximation. <i>Physica Status Solidi (B): Basic Research</i> , 1980, 97, K57.	1.5	6
164	Second-order perturbation treatment of correlations in transition metal alloys. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 116, 119-128.	1.5	6
165	Electronic structure of nin-isocoric transition metal alloys: Cu_xRh_{1-x} . <i>Solid State Communications</i> , 1985, 54, 981-984.	1.9	6
166	First-principles calculations of electronic structure in random hcp alloys: A Ru-Re example. <i>Physical Review B</i> , 1990, 41, 10459-10462.	3.2	6
167	Electronic structure of sputter-deposited alloy films: application to the Fe-Cu-Ag system. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 6847-6851.	1.8	6
168	Pressure dependence of electronic densities of states and superconducting transition temperatures in NiZr glasses. <i>Physical Review B</i> , 1991, 43, 110-118.	3.2	6
169	Ordering tendencies in fe-al alloys in magnetic and non-magnetic models. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1996, 37, 237-241.	3.5	6
170	Oscillatory behavior of interface exchange coupling caused by finite caps of variable thickness. <i>Computational Materials Science</i> , 1998, 10, 188-197.	3.0	6
171	Ab initio theory of transport in FeRh-based natural magnetic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 162-164.	2.3	6
172	Exchange interactions and correlations in Heusler alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1654-1656.	2.3	6
173	First-principles study of thermodynamical properties of random magnetic overlayers on fcc-Cu(001) substrate. <i>Physical Review B</i> , 2013, 87, .	3.2	6
174	Effect of partial order on galvanomagnetic transport properties of ferromagnetic PdFe and PdCo alloys. <i>Physical Review B</i> , 2015, 92, .	3.2	6
175	Structure and physical properties of quaternary Heusler alloy NiMnCuSb. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 338-343.	2.3	6
176	Electrical transport with temperature-induced spin disorder in NiMnSb. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 474, 517-521.	2.3	6
177	Soft X-ray transition matrix elements: The role of approximation of the valence states. <i>European Physical Journal D</i> , 1975, 25, 785-793.	0.4	5
178	The Theory of Auger Spectra from Alloys. The Effect of Electron Correlations in Partially Filled Narrow Bands. <i>Physica Status Solidi (B): Basic Research</i> , 1985, 127, 611-619.	1.5	5
179	Electron states in random substitutional alloys: The self-energy. <i>Journal of Physics and Chemistry of Solids</i> , 1988, 49, 349-357.	4.0	5
180	The electronic structure of bcc-based random solid solutions of transition metals. <i>European Physical Journal B</i> , 1989, 73, 489-493.	1.5	5

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181	Dependence of the electronic structure on local atomic order in ternary Cu ₂ NiZn alloys. Physical Review B, 1991, 43, 14409-14413.	3.2	5
182	Electronic states in mixed pseudobinary (Pb,Sr)S crystals. Physical Review B, 1991, 43, 9758-9762.	3.2	5
183	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
184	Title is missing!. European Physical Journal D, 2002, 52, 203-208.	0.4	5
185	Ordering effects in diluted magnetic semiconductors. Phase Transitions, 2007, 80, 333-350.	1.3	5
186	Magnetic order of FeMn alloy on the W(001) surface. Surface Science, 2007, 601, 4261-4264.	1.9	5
187	Magnetotransport in Pd-Rich PdFe Alloys. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1749-1752.	1.8	5
188	The disordered local moment approach to the spin-disorder resistivity of metallic ferromagnets. EPJ Web of Conferences, 2013, 40, 12001.	0.3	5
189	Electron transport in high-entropy alloys: Al _x CrFeCoNi as a case study. Physical Review B, 2019, 100, .	3.2	5
190	The coherent pseudopotential approximation. Journal of Physics F: Metal Physics, 1976, 6, 2247-2256.	1.6	4
191	Electrical conductivity of two-band models for disordered binary substitutional alloys theory. Physica Status Solidi (B): Basic Research, 1977, 84, 325-333.	1.5	4
192	Electronic Structure of Sputter-Deposited Fe-Cu and Fe-Ag Alloy Films. Journal of the Physical Society of Japan, 1990, 59, 4511-4519.	1.6	4
193	Electronic structure in random hexagonal close-packed transition-metal alloys by the tight-binding linear-muffin-tin-orbital coherent-potential method. Physical Review B, 1991, 43, 4622-4628.	3.2	4
194	Oscillatory Curie temperature of 2D-ferromagnets. Journal of Magnetism and Magnetic Materials, 2002, 240, 346-348.	2.3	4
195	Title is missing!. European Physical Journal D, 2002, 52, 215-218.	0.4	4
196	Surface resonance on the NiFe(001) alloy surface. European Physical Journal D, 2006, 56, 69-74.	0.4	4
197	Magnetism and electronic transport in (Ni, Cu) ₂ MnSn Heusler alloys under ambient and elevated pressures. World Journal of Engineering, 2012, 9, 13-22.	1.6	4
198	Anisotropy of Magnetic Moments and Energy in Tetragonal Fe-Co Alloys from First Principles. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1581-1584.	1.8	4

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217	Ab Initio Theory of the Interlayer Exchange Coupling. , 1999, , 313-346.		3
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