

Michael Weinert

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

227
papers

11,660
citations

53
h-index

102
g-index

230
ext. papers

12,267
ext. citations

4.2
avg, IF

5.99
L-index

#	Paper	IF	Citations
227	Nano-faceted stabilization of polar-oxide thin films: The case of MgO(111) and NiO(111) surfaces. <i>Applied Surface Science</i> , 2022 , 153490	6.7	0
226	Topological band and superconductivity in UTe ₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	8
225	Interaction of Lithium with a Monolayer of Graphene Monoxide. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 11820-11827	3.8	0
224	Atomic-layer stacking dependence of the magnetocrystalline anisotropy in Fe-Co multilayer thin films at MgO(001) interface. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 537, 168175	2.8	
223	Superconductivity on Edge: Evidence of a One-Dimensional Superconducting Channel at the Edges of Single-Layer FeTeSe Antiferromagnetic Nanoribbons. <i>ACS Nano</i> , 2020 , 14, 6539-6547	16.7	2
222	Sign changing pairing in single layer FeSe/SrTiO ₃ revealed by nonmagnetic impurity bound states. <i>Communications Physics</i> , 2020 , 3,	5.4	4
221	Terahertz response of gadolinium gallium garnet (GGG) and gadolinium scandium gallium garnet (SGGG). <i>Journal of Applied Physics</i> , 2020 , 127, 025104	2.5	5
220	Topological edge states at single layer WSe ₂ 1T'∩H lateral heterojunctions. <i>Applied Physics Letters</i> , 2020 , 116, 203104	3.4	1
219	Probing the outermost layer of thin gold films by XPS and density functional theory. <i>Applied Surface Science</i> , 2020 , 507, 145084	6.7	7
218	Orbital Angular Momentum Induced Spin Polarization of 2D Metallic Bands. <i>Physical Review Letters</i> , 2020 , 125, 176401	7.4	5
217	Exchange splitting and exchange-induced nonreciprocal photonic behavior of graphene in CrI ₃ -graphene van der Waals heterostructures. <i>Physical Review B</i> , 2020 , 102,	3.3	4
216	Observation of orbital angular momentum in the chiral magnet CrNb ₃ S ₆ by soft x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2019 , 99,	3.3	14
215	Interplay of paramagnetism and topology in the Fe-chalcogenide high-T _c superconductors. <i>Physical Review B</i> , 2019 , 99,	3.3	12
214	Evidence for d-Wave Superconductivity in Single Layer FeSe/SrTiO Probed by Quasiparticle Scattering Off Step Edges. <i>Nano Letters</i> , 2019 , 19, 2497-2502	11.5	18
213	1D metallic edge states of oxygen-terminated zigzag graphene edges. <i>2D Materials</i> , 2019 , 6, 025038	5.9	5
212	Magnetic fluctuations in single-layer FeSe. <i>Communications Physics</i> , 2018 , 1,	5.4	18
211	Scaled effective on-site Coulomb interaction in the DFT+U method for correlated materials. <i>Physical Review B</i> , 2018 , 97,	3.3	7

210	Symmetric and asymmetric exchange stiffnesses of transition-metal thin film interfaces in external electric field. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 457, 97-102	2.8	2
209	Termination-dependent edge states of MBE-grown WSe ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	10
208	Layer k-projection and unfolding electronic bands at interfaces. <i>Physical Review B</i> , 2018 , 98,	3.3	38
207	Engineering the magnetic properties of zigzag graphene nanoribbon by epoxy chains. <i>Materials Research Express</i> , 2017 , 4, 085008	1.7	2
206	Effects of magnetic dopants in (Li _{0.8} M _{0.2} OH)FeSe (M=Fe, Mn, Co): Density functional theory study using a band unfolding technique. <i>Physical Review B</i> , 2017 , 96,	3.3	16
205	Resilient Nodeless d-Wave Superconductivity in Monolayer FeSe. <i>Physical Review Letters</i> , 2017 , 119, 267001	7.4	34
204	Stabilizing the spin vortex crystal phase in two-dimensional iron-based superconductors. <i>Physical Review B</i> , 2017 , 95,	3.3	17
203	Search for the ground-state electronic configurations of correlated organometallic metallocenes from constraint density functional theory. <i>Physical Review B</i> , 2016 , 94,	3.3	8
202	Pairing of j=3/2 Fermions in Half-Heusler Superconductors. <i>Physical Review Letters</i> , 2016 , 116, 177001	7.4	88
201	Effects of interface oxygen vacancies on electronic bands of FeSe/SrTiO ₃ (001). <i>Physical Review B</i> , 2016 , 94,	3.3	10
200	Indirect Interlayer Bonding in Graphene-Topological Insulator van der Waals Heterostructure: Giant Spin-Orbit Splitting of the Graphene Dirac States. <i>ACS Nano</i> , 2016 , 10, 8450-6	16.7	17
199	Designing substrates for silicene and germanene: First-principles calculations. <i>Physical Review B</i> , 2016 , 94,	3.3	46
198	Half-metallic Dirac cone in zigzag graphene nanoribbons on graphene. <i>Physical Review B</i> , 2016 , 94,	3.3	16
197	Spin-orbit interactions and the nematicity observed in the fe-based superconductors. <i>Physical Review Letters</i> , 2015 , 114, 167001	7.4	36
196	Electric-field-induced modification of the magnon energy, exchange interaction, and curie temperature of transition-metal thin films. <i>Physical Review Letters</i> , 2015 , 114, 107202	7.4	43
195	STEM and EELS study of the Graphene/Bi ₂ Se ₃ Interface. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1151-1153	3.3	8
194	Determining charge state of graphene vacancy by noncontact atomic force microscopy and first-principles calculations. <i>Nanotechnology</i> , 2015 , 26, 035702	3.4	9
193	Investigation of NO ₂ adsorption on reduced graphene oxide. <i>Chemical Physics Letters</i> , 2015 , 622, 86-91	2.5	10

192	Tuning Dirac states by strain in the topological insulator Bi ₂ Se ₃ . <i>Nature Physics</i> , 2014 , 10, 294-299	16.2	174
191	Vibrational Excitations and Low Energy Electronic Structure of Epoxide-decorated Graphene. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 212-219	6.4	24
190	A statistical thermodynamics model for monolayer gas adsorption on graphene-based materials: implications for gas sensing applications. <i>RSC Advances</i> , 2014 , 4, 47481-47487	3.7	29
189	Revealing the substrate origin of the linear dispersion of silicene/Ag(111). <i>Nano Letters</i> , 2014 , 14, 5189-5193	11.5	63
188	Direct experimental determination of onset of electron-electron interactions in gap opening of zigzag graphene nanoribbons. <i>Nature Communications</i> , 2014 , 5, 4311	17.4	74
187	Exploring Adsorption and Reactivity of NH ₃ on Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10698-10707	3.8	70
186	Pressure Dependence of the Shear Strengths of the Tungsten Carbide/Potassium Chloride Interface. <i>Tribology Letters</i> , 2013 , 50, 105-113	2.8	2
185	First-principles studies on infrared properties of semiconducting graphene monoxide. <i>Journal of Applied Physics</i> , 2013 , 114, 164313	2.5	3
184	Spatial fluctuations in barrier height at the graphene-silicon carbide Schottky junction. <i>Nature Communications</i> , 2013 , 4, 2752	17.4	42
183	Magneto-transport properties of Fe thin films in an external electric field. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 612-615	0.6	1
182	Magnetism and multiplets in Fe-phthalocyanine molecules. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 695-698	0.6	1
181	Anisotropic thermal conductivity of semiconducting graphene monoxide. <i>Applied Physics Letters</i> , 2013 , 102, 223101	3.4	16
180	Strain-induced band-gap engineering of graphene monoxide and its effect on graphene. <i>Physical Review B</i> , 2013 , 87,	3.3	19
179	Indium-doped SnO ₂ nanoparticle/graphene nanohybrids: simple one-pot synthesis and their selective detection of NO ₂ . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4462	13	113
178	Charging Dirac states at antiphase domain boundaries in the three-dimensional topological insulator Bi ₂ Se ₃ . <i>Physical Review Letters</i> , 2013 , 110, 186804	7.4	21
177	Electric-field-driven hole carriers and superconductivity in diamond. <i>Physical Review B</i> , 2013 , 87,	3.3	10
176	Dielectric constant of NiO and LDA+U. <i>Physical Review B</i> , 2013 , 87,	3.3	10
175	Excited Cr impurity states in Al ₂ O ₃ from constraint density functional theory. <i>Physical Review B</i> , 2013 , 87,	3.3	18

174	On the film thickness dependence of shear strengths in sliding, boundary-layer friction. <i>Wear</i> , 2012 , 274-275, 281-285	3.5	4
173	Atomic and electronic structure of polar Fe ₂ O ₃ (0001)/MgO(111) interfaces. <i>Physical Review B</i> , 2012 , 86,	3.3	8
172	Spiral growth without dislocations: molecular beam epitaxy of the topological insulator Bi ₂ Se ₃ on epitaxial graphene/SiC(0001). <i>Physical Review Letters</i> , 2012 , 108, 115501	7.4	81
171	Fast and selective room-temperature ammonia sensors using silver nanocrystal-functionalized carbon nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4898-904	9.5	144
170	Bonding in Metals 2012 , 1		
169	Ag nanocrystal as a promoter for carbon nanotube-based room-temperature gas sensors. <i>Nanoscale</i> , 2012 , 4, 5887-94	7.7	68
168	Structural and magnetic properties of MBE-grown GeMnN ₂ thin films. <i>Physical Review B</i> , 2012 , 85,	3.3	2
167	Effects of unreconstructed and reconstructed polar surface terminations on growth, structure, and magnetic properties of hematite films. <i>Physical Review B</i> , 2012 , 85,	3.3	7
166	Constraint density functional calculations for multiplets in a ligand-field applied to Fe-phthalocyanine. <i>Physical Review B</i> , 2012 , 85,	3.3	36
165	Strain and structure driven complex magnetic ordering of a CoO overlayer on Ir(100). <i>Physical Review Letters</i> , 2012 , 109, 015501	7.4	17
164	Formation of nitrogen-vacancy complexes during plasma-assisted nitrogen doping of epitaxial graphene on SiC(0001). <i>Applied Physics Letters</i> , 2012 , 100, 233119	3.4	11
163	Role of nitrogen split interstitial defects in the magnetic properties of Cu-doped GaN. <i>Physical Review B</i> , 2012 , 85,	3.3	5
162	Incommensurate Moiré overlayer with strong local binding: CoO(111) bilayer on Ir(100). <i>Physical Review B</i> , 2012 , 86,	3.3	17
161	Quantitative In Situ Selected Area Electron Diffraction of Vacuum Thermally Reduced Graphene Oxide. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1576-1577	0.5	
160	Water-driven Growth of Graphene Monoxide Revealed by In Situ Infrared and Electron Microscopy, Diffraction and Spectroscopy. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1508-1509	0.5	
159	Si diffusion path for pit-free graphene growth on SiC(0001). <i>Physical Review B</i> , 2011 , 84,	3.3	31
158	Dynamically stabilized growth of polar oxides: the case of MgO(111). <i>Physical Review Letters</i> , 2011 , 107, 056101	7.4	26
157	Evidence of nanocrystalline semiconducting graphene monoxide during thermal reduction of graphene oxide in vacuum. <i>ACS Nano</i> , 2011 , 5, 9710-7	16.7	73

156	Creation of Low-Coordination Gold Sites on Au(111) Surface by 1,4-phenylene Diisocyanide Adsorption. <i>Topics in Catalysis</i> , 2011 , 54, 20-25	2.3	35
155	On the Pressure Dependence of Shear Strengths in Sliding, Boundary-Layer Friction. <i>Tribology Letters</i> , 2011 , 44, 67-73	2.8	13
154	Structure of Methyl Pyruvate and β (1-Naphthyl)ethylamine on Pd(111). <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8790-8797	3.8	22
153	Shear properties of potassium chloride films on iron obtained using density functional theory. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 265003	1.8	9
152	Role of functionalized transition-metal coated W tips in STM imaging: Application to epitaxial graphene on SiC(0001). <i>Physical Review B</i> , 2011 , 84,	3.3	9
151	Electric Field-Induced Modification of Magnetocrystalline Anisotropy in Transition-metal Films and at Metal-Insulator Interfaces. <i>Journal of Magnetism</i> , 2011 , 16, 161-163	1.9	6
150	Role of an interfacial FeO layer in the electric-field-driven switching of magnetocrystalline anisotropy at the Fe/MgO interface. <i>Physical Review B</i> , 2010 , 81,	3.3	151
149	Epitaxial graphene on SiC(0001): more than just honeycombs. <i>Physical Review Letters</i> , 2010 , 105, 085502	7.4	117
148	Electron standing waves on the GaN(0001)-pseudo (1 \times 1) surface: a FT-STM study at room temperature. <i>Nanotechnology</i> , 2010 , 21, 435401	3.4	8
147	Electronic structures of Mn-induced phases on GaN(0001). <i>Physical Review B</i> , 2009 , 80,	3.3	13
146	Electronic structure of CuCl. <i>International Journal of Quantum Chemistry</i> , 2009 , 16, 445-451	2.1	
145	FLAPW: applications and implementations. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 084201	1.8	66
144	A Convergence Test of the Full-potential Linearized Augmented Plane Wave (FLAPW) Method: Ferromagnetic Bulk BCC Fe. <i>Journal of Magnetism</i> , 2009 , 14, 137-143	1.9	12
143	Incorporation of Ge on GaN(0001). <i>Applied Physics Letters</i> , 2008 , 92, 111918	3.4	3
142	Observation of ferromagnetic surface of paramagnetic YCo ₂ . <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072028	0.3	
141	Atomistic view of the autosurfactant effect during GaN epitaxy. <i>Physical Review Letters</i> , 2007 , 98, 206106	7.4	13
140	YCo ₂ : intrinsic magnetic surface of a paramagnetic bulk material. <i>Physical Review Letters</i> , 2007 , 99, 047204	4	19
139	Magnetic instability and meta-magnetism on the surface of the bulk paramagnetic YCo ₂ intermetallic compound. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 109-110	2.8	3

138	Unusual adsorption site of hydrogen on the unreconstructed Ir(100) surface. <i>Physical Review B</i> , 2006 , 73,	3.3	64
137	Requirements for the formation of a chiral template. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 851-6	3.4	63
136	X-ray absorption near-edge structure analysis of the chemical environment of zinc in the tribological film formed by zinc dialkyl dithiophosphate decomposition on steel. <i>Tribology International</i> , 2005 , 38, 195-204	4.9	12
135	Atomic and electronic structure of the Fe ₃ O ₄ (111)/MgO(111) model polar oxide interface. <i>Physical Review B</i> , 2005 , 72,	3.3	26
134	Magnetism on the surface of the bulk paramagnetic intermetallic compound YCo ₂ . <i>Physical Review Letters</i> , 2005 , 94, 146403	7.4	29
133	Selected growth of cubic and hexagonal GaN epitaxial films on polar MgO(111). <i>Physical Review Letters</i> , 2005 , 94, 216101	7.4	35
132	Role of defect sites and Ga polarization in the magnetism of Mn-doped GaN. <i>Physical Review Letters</i> , 2005 , 95, 257201	7.4	49
131	Structure of the hydrogen-stabilized MgO(111)($\bar{1}\bar{1}\bar{1}$) polar surface: Integrated experimental and theoretical studies. <i>Physical Review B</i> , 2005 , 71,	3.3	83
130	Structure determination of disordered organic molecules on surfaces from the Bragg spots of low-energy electron diffraction and total energy calculations. <i>Physical Review B</i> , 2004 , 69,	3.3	14
129	Giant Coster-Kronig transitions and intrinsic line shapes of the anomalous Pd M45VV Auger spectrum of Pd/Ag(100) dilute surface alloys. <i>Physical Review Letters</i> , 2003 , 91, 176403	7.4	9
128	Density-functional theory and atomic multiplet levels. <i>Physical Review A</i> , 2002 , 66,	2.6	6
127	Spin-resolved photoemission study of photohole lifetimes in ferromagnetic gadolinium. <i>Physical Review B</i> , 2002 , 65,	3.3	31
126	Transition-metal aluminide formation: The 4d aluminides. <i>Physical Review B</i> , 2001 , 65,	3.3	17
125	Electronic structure and thermodynamics of defects in NiAl ₃ . <i>Physical Review B</i> , 2001 , 64,	3.3	18
124	Transition-metals and their alloys. <i>Solid State Physics</i> , 2001 , 56, 1-112	2	12
123	First-principles calculations of the self-trapped exciton in crystalline NaCl. <i>Physical Review B</i> , 2000 , 62, 12589-12592	3.3	10
122	Enthalpies of formation of AlFe: Experiment versus theory. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2000 , 24, 309-318	1.9	20
121	Magnetic moment of iron in metallic environments. <i>Physical Review B</i> , 2000 , 61, 375-381	3.3	19

120	Force constants for substitutional alloys. <i>Physical Review B</i> , 1999 , 59, 4100-4111	3.3	38
119	Truncated pseudopotentials for alloy calculations. <i>Physical Review B</i> , 1999 , 60, 7680-7683	3.3	6
118	Thickness Induced Buckling of bcc Copper Films. <i>Physical Review Letters</i> , 1999 , 83, 780-783	7.4	19
117	Electric-field-induced changes in scanning tunneling microscopy images of metal surfaces. <i>Chemical Physics Letters</i> , 1999 , 315, 167-172	2.5	19
116	Enthalpies of formation of AlNi: Experiment versus theory. <i>Journal of Phase Equilibria and Diffusion</i> , 1998 , 19, 106-111		53
115	Stability of Zr-Al alloys. <i>Physical Review B</i> , 1998 , 57, R2009-R2012	3.3	61
114	Transition-metal aluminide formation: Ti, V, Fe, and Ni aluminides. <i>Physical Review B</i> , 1998 , 58, 5981-5988	3.3	106
113	Potassium adsorption and an unoccupied surface state on Fe(001). <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 95-100	1.8	16
112	Reversible depression in the Tc of thin Nb films due to enhanced hydrogen adsorption. <i>Physical Review B</i> , 1998 , 58, 6585-6590	3.3	12
111	Hybridization-induced band gaps in transition-metal aluminides. <i>Physical Review B</i> , 1998 , 58, 9732-9740	3.3	161
110	XANES study of hydrogen incorporation in a Pd-capped Nb thin film. <i>Physical Review B</i> , 1998 , 57, 3881-3886	3.3	13
109	Ternary transition-metal aluminide alloy formation: The BiF3 structure. <i>Physical Review B</i> , 1998 , 57, 12134-12138	3.3	128
108	Determination of the elastic tensor in low-symmetry structures. <i>Europhysics Letters</i> , 1998 , 43, 183-188	1.6	18
107	Structural instabilities of excited phases. <i>Physical Review B</i> , 1997 , 55, 787-797	3.3	67
106	Stacking faults in magnesium. <i>Physical Review B</i> , 1997 , 56, 10844-10851	3.3	87
105	Stoner criterion of ferromagnetism and moment saturation in the Hubbard model with an applied magnetic field. <i>Physica B: Condensed Matter</i> , 1997 , 230-232, 509-512	2.8	4
104	Enthalpies of formation of Ni3Al: Experiment versus theory. <i>Journal of Phase Equilibria and Diffusion</i> , 1996 , 17, 173-178		45
103	On the role of classical and quantum notions in channeling and the development of fast positrons as a solid state probe of valence electron and spin densities. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 119, 30-41	1.2	8

102	First-principles study of titanium oxides. <i>Physical Review B</i> , 1996 , 54, 7857-7864	3.3	49
101	Tunneling spectroscopy of bcc (001) surface states. <i>Physical Review Letters</i> , 1995 , 75, 2960-2963	7.4	237
100	Vacancies and impurities in aluminum and magnesium. <i>Physical Review B</i> , 1995 , 52, 6313-6326	3.3	106
99	Electronic structure of Au and Ag overlayers on Ru(001): The behavior of the noble-metal d bands. <i>Physical Review B</i> , 1995 , 51, 9979-9984	3.3	40
98	Core-level shifts in bulk alloys and surface adlayers. <i>Physical Review B</i> , 1995 , 51, 17168-17180	3.3	135
97	Charge transfer in gold-alkali-metal systems. <i>Physical Review B</i> , 1994 , 49, 7148-7154	3.3	26
96	Point Group Symmetries and Gaussian Integration. <i>Journal of Computational Physics</i> , 1994 , 112, 282-290	4.1	6
95	Alloy heats of formation: Theory versus experiment. <i>Journal of Phase Equilibria and Diffusion</i> , 1994 , 15, 273-278		5
94	The Energetics of Ordered Intermetallic Alloys (of the Transition Metals). <i>NATO ASI Series Series B: Physics</i> , 1994 , 227-268		
93	Local stability of nonequilibrium phases. <i>Physical Review Letters</i> , 1994 , 72, 3076-3079	7.4	153
92	Magnetic Energy Anomalies of 3 d Systems. <i>Europhysics Letters</i> , 1993 , 24, 495-500	1.6	23
91	Comment on "Ferromagnetism of the Rh(001) surface". <i>Physical Review Letters</i> , 1993 , 71, 4097	7.4	31
90	Cu/Pd multilayers: An atomistic structural study. <i>Physical Review B</i> , 1993 , 47, 13636-13642	3.3	11
89	Surface electronic structure and off-site Auger transitions on TaC(111) observed with Auger-photoelectron coincidence spectroscopy. <i>Physical Review Letters</i> , 1992 , 68, 2247-2250	7.4	30
88	Heats of formation of transition-metal alloys: Full-potential approach and the Pt-Ti system. <i>Physical Review B</i> , 1992 , 45, 8233-8238	3.3	18
87	Fractional occupations and density-functional energies and forces. <i>Physical Review B</i> , 1992 , 45, 13709-13712	3.3	253
86	First principles calculations: The elemental transition metals and their compounds. <i>Journal of Phase Equilibria and Diffusion</i> , 1992 , 13, 244-250		7
85	Energetics of Metal-Metal Interfaces. <i>Springer Series in Materials Science</i> , 1992 , 321-328	0.9	

84	Vacancy formation energies of fcc transition metals calculated by a full potential green's function method. <i>Solid State Communications</i> , 1991 , 79, 31-35	1.6	62
83	Charge transfer, charge tailing, cohesion and electron promotion in the transition metals.. <i>Physica B: Condensed Matter</i> , 1991 , 172, 289-298	2.8	1
82	Charge transfer in transition-metal alloying: Charge-tailing effects. <i>Physical Review B</i> , 1991 , 43, 1446-1454	3.3	19
81	Surface electronic structure of GaAs(110) studied by Auger photoelectron coincidence spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1991 , 9, 1907-1912	2.9	11
80	Cohesion and promotion energies in the transition metals: Implications of the local-density approximation. <i>Journal of Applied Physics</i> , 1991 , 69, 5688-5690	2.5	1
79	A comparison of the surface electronic structure of Ta(100) and TaC(111) using Auger-photoelectron coincidence spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1991 , 9, 1919-1923	2.9	16
78	Local-density approximation: Cohesion in the transition metals and s->d promotion in the transition-metal atoms. <i>Physical Review B</i> , 1991 , 43, 1455-1462	3.3	27
77	Electronic structure of transition metal alloys and intermetallics: Charge transfer and its implications for Mössbauer effect measurements. <i>Hyperfine Interactions</i> , 1990 , 53, 213-221	0.8	
76	Cohesion and lattice stabilities in the 5d transition metals: Full versus muffin-tin potentials. <i>Physical Review B</i> , 1990 , 41, 11813-11821	3.3	38
75	Electric-field gradients in dilute Cu alloys: The role of the Cu d electrons. <i>Physical Review B</i> , 1990 , 42, 9336-9339	3.3	25
74	Observation of surface to bulk interatomic Auger decay from Ta(100). <i>Physical Review B</i> , 1990 , 41, 12468-12473	3.3	30
73	Surface resonances on Ta(001). <i>Physical Review B</i> , 1990 , 42, 5025-5039	3.3	17
72	Spin-polarized photoemission studies of the adsorption of O and S on Fe(001). <i>Physical Review B</i> , 1990 , 41, 9659-9667	3.3	62
71	Magnetic surface states on Fe(001). <i>Physical Review B</i> , 1990 , 41, 2643-2645	3.3	44
70	First Principles Molecular Dynamics Studies of Liquid and Solid Sodium. <i>The International Journal of Supercomputer Applications</i> , 1990 , 4, 122-130		1
69	First-principles calculation of the activation energy for diffusion in liquid sodium. <i>Physical Review Letters</i> , 1990 , 64, 1146-1149	7.4	46
68	Adsorbed layer and multilayer materials: The energetics and bonding of Pd and Ag on Nb(001) and Nb(110). <i>Physical Review B</i> , 1989 , 39, 12585-12597	3.3	55
67	First-principles molecular dynamics for metals. <i>Physical Review B</i> , 1989 , 40, 7985-7988	3.3	43

66	Two-dimensional angular correlation of annihilation radiation study of positron interactions with surfaces of aluminum. <i>Physical Review B</i> , 1989 , 39, 3966-3989	3.3	18
65	Energetics of transition-metal alloy formation: Ti, Zr, and Hf alloyed with the heavier 4d and 5d elements. <i>Physical Review B</i> , 1989 , 39, 10761-10769	3.3	26
64	Full-potential linear augmented-Slater-type-orbital method. <i>Physical Review B</i> , 1989 , 40, 2757-2766	3.3	60
63	Antiferromagnetism of CuO ₂ layers. <i>Physical Review B</i> , 1989 , 39, 835-838	3.3	10
62	Distance of the image plane from metal surfaces. <i>Physical Review B</i> , 1989 , 40, 7565-7573	3.3	180
61	First-principles calculation of impurity-solution energies in Cu and Ni. <i>Physical Review B</i> , 1989 , 39, 930-939	3.3	109
60	Magnetic Overlayers on Pd(001). <i>Physica Scripta</i> , 1989 , T25, 301-304	2.6	5
59	Modelling and Theories of Alloy Phase Behavior 1989 , 1-28		
58	The energetics of transition metal alloy formation: Theory versus experiment. <i>Scripta Metallurgica</i> , 1988 , 22, 1285-1289		19
57	Linear augmented-Slater-type-orbital method for electronic-structure calculations. V. Spin-orbit splitting in Cu ₃ Au. <i>Physical Review B</i> , 1988 , 37, 9985-9992	3.3	48
56	Localized states at metal-metal interfaces: An inverse photoemission study of Pd/Nb(110). <i>Physical Review B</i> , 1988 , 38, 7850-7853	3.3	31
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