

# Herbert PfñÃ¼r

## List of Publications by Year in descending order

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225  
papers

6,662  
citations

76294

40  
h-index

82499

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227  
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227  
docs citations

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times ranked

3950  
citing authors



#	ARTICLE	IF	CITATIONS
19	Semiconductor Nanoparticles: A Versatile Route to Assemble Semiconductor Nanoparticles into Functional Aerogels by Means of Trivalent Cations (Small 16/2020). Small, 2020, 16, 2070089.	5.2	1
20	Matching different symmetries with an atomically sharp interface: Epitaxial $\text{BaTiO}_3$ on Si(001). Physical Review Materials, 2020, 4, .	0.9	1
21	Plasmons in One and Two Dimensions. Springer Handbooks, 2020, , 557-584.	0.3	1
22	Charge-transfer transition in Au-induced quantum wires on Si(553). Physical Review B, 2019, 100, .	1.1	10
23	Formation of Sn-Induced Nanowires on Si(557). Physica Status Solidi (B): Basic Research, 2019, 256, 1900152.	0.7	1
24	Plasmon Standing Waves by Oxidation of Si(553)-Au. Journal of Physical Chemistry C, 2019, 123, 9400-9406.	1.5	13
25	Space charge layer effects in silicon studied by in situ surface transport. Journal of Physics Condensed Matter, 2019, 31, 214001.	0.7	5
26	Anisotropic 2D metallicity: plasmons in Ge(100)-Au. Journal of Physics Condensed Matter, 2019, 31, 175001.	0.7	10
27	Probing quasi-one-dimensional band structures by plasmon spectroscopy. Physical Review B, 2018, 97, .	1.1	19
28	Electromigration and morphological changes in Ag nanostructures. Journal of Physics Condensed Matter, 2018, 30, 084002.	0.7	12
29	Controlling conductivity by quantum well states in ultrathin Bi(111) films. Physical Review B, 2018, 97, .	1.1	17
30	Extrinsic doping on the atomic scale: Tuning metallicity in atomic Au chains. Physical Review B, 2018, 98, .	1.1	17
31	How One-Dimensional Are Atomic Gold Chains on a Substrate?. Journal of Physical Chemistry C, 2018, 122, 25580-25588.	1.5	22
32	$\text{Sn}$ phase on Si(111): Spin texture of a two-dimensional Mott state. Physical Review B, 2018, 98, .	1.1	10
33	Shaping single atomic junctions in ultra-thin Ag structures by electromigration. Applied Physics Letters, 2018, 113, 013106.	1.5	4
34	Plasmon spectroscopy: Robust metallicity of Au wires on Si(557) upon oxidation. Physical Review Materials, 2018, 2, .	0.9	10
35	Synthesis of Ternary and Quaternary Au and Pt Decorated CdSe/CdS Heteronanoplatelets with Controllable Morphology. Advanced Functional Materials, 2017, 27, 1604685.	7.8	44
36	Tuning the conductivity along atomic chains by selective chemisorption. Physical Review B, 2017, 95, .	1.1	22

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37	Spin-resolved band structure of a densely packed Pb monolayer on Si(111). Physical Review B, 2017, 96, .	1.1	22
38	Hole injection enhancement in organic light emitting devices using plasma treated graphene oxide. Applied Surface Science, 2017, 397, 144-151.	3.1	27
39	Structural, Dielectric, and Interface Properties of Crystalline Barium Silicate Films on Si(100): A Robust High-Î Material. Physical Review Applied, 2016, 5, .	1.5	3
40	Atomic size effects studied by transport in single silicide nanowires. Physical Review B, 2016, 93, .	1.1	14
41	Charge Transport through Ferrocene 1,1â€²â€²Diamine Singleâ€œMolecule Junctions. Small, 2016, 12, 4849-4856.	5.2	19
42	Two-dimensional crossover and strong coupling of plasmon excitations in arrays of one-dimensional atomic wires. Physical Review B, 2016, 93, .	1.1	12
43	Surface state conductivity in epitaxially grown Bi<sub>1âˆ™</sub>Sb<sub></sub>(111) films. New Journal of Physics, 2016, 18, 093012.	1.2	2
44	Lateral electronic screening in quasi-one-dimensional plasmons. Journal of Physics Condensed Matter, 2016, 28, 354001.	0.7	8
45	Photoluminescent Aerogels from Quantum Wells. Chemistry of Materials, 2016, 28, 2089-2099.	3.2	46
46	Between one and two dimensions: Pb/Si(557) close to monolayer coverage. Surface Science, 2016, 643, 79-86.	0.8	5
47	Interwire coupling for<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>I</mi></math> probed by surface transport. Physical Review B, 2015, 92, .		
48	Unoccupied electronic structure and momentum-dependent scattering dynamics in Pb/Si(557) nanowire arrays. Physical Review B, 2015, 92, .	1.1	4
49	Conductance through single biphenyl molecules: symmetric and asymmetric coupling to electrodes. Beilstein Journal of Nanotechnology, 2015, 6, 1690-1697.	1.5	8
50	Barrier-free subsurface incorporation of<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>d</mi></math> atoms into Bi(111) films. Physical Review B, 2015, 91, .	4.1	9
51	The 100th anniversary of the four-point probe technique: the role of probe geometries in isotropic and anisotropic systems. Journal of Physics Condensed Matter, 2015, 27, 223201.	0.7	304
52	Origin of metallicity in atomic Ag wires on Si(557). New Journal of Physics, 2015, 17, 043062.	1.2	14
53	Observation of correlated spinâ€œorbit order in a strongly anisotropic quantum wire system. Nature Communications, 2015, 6, 8118.	5.8	32
54	Au-chains grown on Ge(100): A detailed SPA-LEED study. Surface Science, 2015, 632, 64-70.	0.8	13

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55	Anisotropic Dispersion and Partial Localization of Acoustic Surface Plasmons on an Atomically Stepped Surface: Au(788). <i>Physical Review Letters</i> , 2014, 113, 186804.	2.9	13
56	Scattering of charge carriers by Cr impurities in magnetotransport on a Bi(111) ultra-thin film. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 225002.	0.7	3
57	Tuning of one-dimensional plasmons by Ag-Doping in Ag- $\sqrt{3}$ -ordered atomic wires. <i>New Journal of Physics</i> , 2014, 16, 043007.	1.2	8
58	Growth of epitaxial Bi-films on vicinal Si(111). <i>Surface Science</i> , 2014, 621, 82-87.	0.8	14
59	Diffusing magnetic Tb impurities and magnetotransport in strongly spin-polarized Bi films. <i>Physical Review B</i> , 2013, 88, .	1.1	4
60	Epitaxial thin films of BaSrO as gate dielectric. <i>Microelectronic Engineering</i> , 2013, 109, 152-155.	1.1	2
61	Effect of adsorbed magnetic and non-magnetic atoms on electronic transport through surfaces with strong spin-orbit coupling. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 210-217.	0.5	3
62	One-dimensional collective excitations in Ag atomic wires grown on Si(557). <i>Journal of Physics Condensed Matter</i> , 2013, 25, 014013.	0.7	25
63	Correlated Motion of Electrons on the Au(111) Surface: Anomalous Acoustic Surface-Plasmon Dispersion and Single-Particle Excitations. <i>Physical Review Letters</i> , 2013, 110, 127405.	2.9	46
64	Manipulation of plasmon electron-hole coupling in quasi-free-standing epitaxial graphene layers. <i>New Journal of Physics</i> , 2012, 14, 103045.	1.2	13
65	Scattering at magnetic and nonmagnetic impurities on surfaces with strong spin-orbit coupling. <i>Physical Review B</i> , 2012, 86, .	1.1	18
66	Fermi Nesting between Atomic Wires with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2012, 109, 266401.	2.9	28
67	Peierls-like phase transitions in domain walls. <i>Surface Science</i> , 2012, 606, 362-366.	0.8	2
68	Temperature stability of ultra-thin mixed BaSr-oxide layers and their transformation. <i>Nanotechnology</i> , 2012, 23, 305202.	1.3	6
69	The dominance of surfaces and interfaces: A view to magnetoconductance and structure in low-dimensional crystalline films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 627-635.	0.8	3
70	Plasmon electron-hole resonance in epitaxial graphene. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 012001.	0.7	70
71	Plasmons in Pb nanowire arrays on Si(557): Between one and two dimensions. <i>Physical Review B</i> , 2011, 84, .	1.1	20
72	Metallic Nanowires on the Atomic Scale: Correlation Between Structure, Electronic Properties, and Electronic Transport. <i>Springer Series in Surface Sciences</i> , 2011, , 205-218.	0.3	0

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73	Multiple plasmon excitations in adsorbed two-dimensional systems. Journal of Physics Condensed Matter, 2011, 23, 112204.	0.7	32
74	Chemisorption of ferrocene on Si(111)â€“Ag<math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" overflow="scroll"><mml:msqrt><mml:mn>3</mml:mn></mml:msqrt></mml:math>: Frustrated conformational flexibility. Surface Science, 2011, 605, 267-271.	0.8	5
75	Sheet plasmons in modulated graphene on Ir(111). New Journal of Physics, 2011, 13, 053006.	1.2	66
76	Sensing surface states of Bi films by magnetotransport. Physical Review B, 2011, 83, .	1.1	29
77	The resistance of single atomic steps in ultrathin Pb nanowires onÂSi(557). Applied Physics A: Materials Science and Processing, 2010, 100, 1007-1012.	1.1	6
78	Investigation of the electrical properties of the alkaline-earth oxides BaO, SrO and Ba <sub>0.7</sub> Sr <sub>0.3</sub> O on Si(001) as alternative gate dielectrics. Thin Solid Films, 2010, 518, S281-S284.	0.8	8
79	Correlation of geometrical and electronic properties in metallic nanowires. Physica Status Solidi (B): Basic Research, 2010, 247, 2509-2521.	0.7	2
80	Preparation and electrical characterization of amorphous BaO, SrO and Ba <sub>0.7</sub> Sr <sub>0.3</sub> O as highâ€“k gate dielectrics. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 316-320.	0.8	6
81	Anomalous molecular orbital variation upon adsorption on a wide band gap insulator. Journal of Chemical Physics, 2010, 132, 214706.	1.2	12
82	Magnetotransport in anisotropic Pb films and monolayers. Physical Review B, 2010, 81, .	1.1	15
83	Pb nanowires on vicinal Si(111) surfaces: Effects of refacetting on transport. Physical Review B, 2010, 82, .	1.1	18
84	Anisotropic conductance oscillations in Pb films on Si(557). Physical Review B, 2010, 82, .	1.1	7
85	One-dimensional plasmons in ultrathin metallic silicide wires of finite width. Physical Review B, 2010, 81, .	1.1	32
86	Color centers in NaCl by hybrid functionals. Physical Review B, 2010, 82, .	1.1	33
87	Plasmon damping below the Landau regime: the role of defects in epitaxial graphene. New Journal of Physics, 2010, 12, 033017.	1.2	68
88	Insight from First-Principles Calculations into the Interactions between Hydroxybenzoic Acids and Alkali Chloride Surfaces. Journal of Physical Chemistry C, 2010, 114, 460-467.	1.5	14
89	Tailoring band gaps of insulators by adsorption at surface defects: Benzoic acids on NaCl surfaces. Physical Review B, 2009, 79, .	1.1	16
90	Graphitization process of SiC(0001) studied by electron energy loss spectroscopy. Applied Physics Letters, 2009, 94, 112106.	1.5	33

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91	Atomic chain ordering with ultra-long periods: Pb/Si(5 5 7). Surface Science, 2009, 603, L121-L124.	0.8	11
92	Coulomb blockade effects in Ag/Si(111): The role of the wetting layer. Physical Review B, 2009, 80, .	1.1	6
93	The interplay of van der Waals and weak chemical forces in the adsorption of salicylic acid on NaCl(001). Physical Chemistry Chemical Physics, 2009, 11, 9337.	1.3	10
94	Ultra-small One-Dimensional Metallic Nanostructures. Springer Proceedings in Physics, 2009, , 69-77.	0.1	0
95	Atomic wires at surfaces: A perspective on the article: "Peierls instability in Pt chains on Ge(001)" by A. van Houselt, T. Gnielka, J.M.J. Aah van de Brugh, N. Oncel, D. Kockmann, R. Heid, K.-P. Bohnen, B. Poelsema and H.J.W. Zandvliet. Surface Science, 2008, 602, 1727-1728.	0.8	2
96	Ferrocene-1,1-dithiol as molecular wire between Ag electrodes: The role of surface defects. Journal of Chemical Physics, 2008, 128, 064704.	1.2	11
97	Generation of ultrasmall nanostructures in oxide layers assisted by self-organization. Journal of Applied Physics, 2008, 103, 064303.	1.1	10
98	Temperature-driven refacetting phase transition in Pb chains on Si(557). Physical Review B, 2008, 77, .	1.1	18
99	Experimental investigation of two-dimensional plasmons in a $\text{DySi}_{2/3}$ on Si(111). Physical Review B, 2008, 78, .	1.1	38
100	Coupled Pb Chains on Si(557): Origin of One-Dimensional Conductance. Physical Review Letters, 2008, 100, 076802.	2.9	47
101	Adsorbate induced refacetting: Pb chains on Si(557). New Journal of Physics, 2007, 9, 338-338.	1.2	35
102	Two-dimensional glasses and their concentration dependent re-ordering: Dy on Mo(112). Surface Science, 2007, 601, 978-985.	0.8	7
103	Switching between one- and two-dimensional conductance: Coupled chains in the monolayer of Pb on Si(557). Surface Science, 2007, 601, 2641-2646.	0.8	24
104	The processes of ordering and formation of two-dimensional glasses at metal surfaces. Surface Science, 2006, 600, 1566-1573.	0.8	10
105	Band gap engineering at surfaces of insulating films by adsorption of organic molecules. Surface Science, 2006, 600, 1664-1669.	0.8	4
106	Surface morphology of epitaxial lattice-matched Ba <sub>0.7</sub> Sr <sub>0.3</sub> O on Si(001) and vicinal Si(001)-4Å <sup>0</sup> [110] substrates. Surface Science, 2006, 600, 2785-2794.	0.8	8
107	Adsorption of Functionalized Benzoic Acids on MgSO <sub>4</sub> ·nH <sub>2</sub> O (100). ChemPhysChem, 2006, 7, 1055-1061.	1.0	6
108	Thiol and thiolate bond formation of ferrocene-1,1-dithiol to a Ag(111) surface. Journal of Chemical Physics, 2006, 125, 194705.	1.2	7

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109	Crossover between Monopole and Multipole Plasmon of Cs Monolayers on Si(111) Individually Resolved in Energy and Momentum. <i>Physical Review Letters</i> , 2006, 96, 196801.	2.9	21
110	Switchable nanometer contacts: Ultrathin Ag nanostructures on Si(100). <i>Applied Physics Letters</i> , 2006, 89, 063120.	1.5	21
111	Si nanostripe formation on vicinal Ge(100) surfaces. <i>Surface Science</i> , 2005, 574, 205-213.	0.8	2
112	Anisotropic conductance of Pb-induced chain structures on Si(557) in the monolayer regime. <i>European Physical Journal B</i> , 2005, 43, 557-564.	0.6	18
113	Growth conditions, stoichiometry, and electronic structure of lattice-matched SrO $\cdot$ BaO mixtures on Si(100). <i>Physical Review B</i> , 2005, 72, .	1.1	31
114	Switching Between One and Two Dimensions: Conductivity of Pb-Induced Chain Structures on Si(557). <i>Physical Review Letters</i> , 2005, 95, 176804.	2.9	93
115	Electrical transport in ultrathin Cs layers on Si(001). <i>Physical Review B</i> , 2005, 72, .	1.1	2
116	Properties of Ternary Insulating Systems: The Electronic Structure of MgSO $_4$ $\cdot$ H $_2$ O. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4118-4124.	1.1	16
117	Structural modifications of quasi-one-dimensional submonolayers by impurity doping. <i>Physical Review B</i> , 2004, 69, .	1.1	4
118	Chopped sample heating for quantitative profile analysis of low energy electron diffraction spots at high temperatures. <i>Review of Scientific Instruments</i> , 2004, 75, 4911-4915.	0.6	4
119	A potential model for single crystals of the Li $_2$ O-B $_2$ O $_3$ system based on non-equivalence of boron atoms. <i>European Physical Journal B</i> , 2004, 41, 281-287.	0.6	6
120	Phonon spectra and heat capacity of Li $_2$ B $_4$ O $_7$ and Li $_3$ O $_5$ crystals. <i>European Physical Journal B</i> , 2004, 42, 461-466.	0.6	15
121	Long-range coupling of adsorbates and its modifications on anisotropic metal surfaces. <i>Vacuum</i> , 2004, 74, 133-140.	1.6	0
122	Two-stage ordering processes under annealing of Sr submonolayers on Mo(112). <i>Surface Science</i> , 2004, 565, 180-190.	0.8	8
123	Roughness and stability of silicon on insulator surfaces. <i>Applied Physics Letters</i> , 2004, 84, 350-352.	1.5	7
124	Charge-carrier transport properties of ultrathin Pb films. <i>European Physical Journal B</i> , 2003, 36, 281-287.	0.6	19
125	Holographic diffuse LEED image reconstruction for simultaneous occupation of different oxygen adsorption sites on Ni(1 1 1). <i>Surface Science</i> , 2003, 529, 443-454.	0.8	6
126	Growth and surface morphology: epitaxial MgO films and the Ag(1,1,19) substrate. <i>Surface Science</i> , 2003, 537, 265-275.	0.8	11



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127	The structure of Na adsorbed on Ge(100) and its influence on substrate morphology. Surface Science, 2003, 540, 303-312.	0.8	11
128	Depinning transitions between adsorbate chains coupled by Friedel oscillations. Physical Review B, 2003, 67, .	1.1	8
129	Correlation of electronic and local structure of 4-hydroxy-thiophenol on NaCl(100) and Ag(100). Journal of Chemical Physics, 2003, 118, 7578.	1.2	6
130	Formation of surface color centers at differently coordinated sites: MgO/Ag(1,1,19). Physical Review B, 2003, 67, .	1.1	40
131	Restructuring of the Ge(100) surface by Na chains. Physical Review B, 2003, 68, .	1.1	10
132	The growth of NaCl on flat and stepped silver surfaces. Journal of Physics Condensed Matter, 2003, 15, 6473-6483.	0.7	22
133	Adsorbate-induced one-dimensional long-range modulation of an epitaxial insulator film. Applied Physics Letters, 2002, 80, 2595-2597.	1.5	9
134	Step and kink correlations on vicinal Ge(100) surfaces investigated by electron diffraction. Physical Review B, 2002, 65, .	1.1	21
135	Anomalous thickness dependence of the Hall effect in ultrathin Pb layers on Si(111). Physical Review B, 2002, 66, .	1.1	37
136	Adsorbate induced contact charging: pure and OH-substituted benzoic acids adsorbed on wide band gap insulators. Physical Chemistry Chemical Physics, 2002, 4, 2653-2659.	1.3	23
137	Mechanism and kinetics of color center formation on epitaxial thin films of MgO. Surface Science, 2002, 517, 87-97.	0.8	58
138	Kr and Xe on NaCl(100): pure phases and their miscibility. Surface Science, 2001, 473, 71-85.	0.8	4
139	Diffusion in a strongly correlated anisotropic overlayer. Surface Science, 2001, 481, 124-134.	0.8	6
140	Adsorbate induced mesoscopic surface reconstruction of the system Te/Pd(102). Surface Science, 2001, 489, 126-134.	0.8	2
141	A vitrifying structure transition in the Dy/Mo(112) adsorption system. Low Temperature Physics, 2001, 27, 850-853.	0.2	10
142	Metastable structures of Dy layers adsorbed on Mo(112) and their transformations. European Physical Journal B, 2001, 24, 395-403.	0.6	18
143	Impurity-induced changes of overlayer symmetry and of phase transitions. Europhysics Letters, 2001, 56, 67-73.	0.7	12
144	Phase transitions in the adsorption system Li/Mo(112). Physical Review B, 2000, 62, 2852-2861.	1.1	25

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145	Geometrical implications of lateral interactions in chain systems: Li(1Å–2) and Li(1Å–4) on molybdenum (211). <i>Surface Science</i> , 2000, 457, 134-146.	0.8	19
146	Geometrical evidence for long-range coupling in strongly anisotropic adsorbate systems: Sr and Li on Mo(211). <i>Surface Science</i> , 2000, 459, 265-276.	0.8	18
147	Phase transitions in two-dimensional anisotropic chain systems: submonolayers of Sr adsorbed on Mo(112). <i>Surface Science</i> , 2000, 460, 229-242.	0.8	24
148	Stepped NaCl films grown epitaxially on Si-precovered vicinal Ge(100). <i>Surface Science</i> , 2000, 466, 41-53.	0.8	14
149	Modifications in desorption kinetics of physisorbed species induced by colour centres on NaCl(100). <i>Surface Science</i> , 2000, 464, 35-47.	0.8	7
150	Adsorbate-induced faceting of a nearly close-packed surface: Te–Pd(100). <i>Surface Science</i> , 2000, 447, 259-271.	0.8	12
151	Orientational phase transitions in a lithium overlayer on Mo(112). <i>Europhysics Letters</i> , 1999, 48, 442-448.	0.7	2
152	Scaling of the hysteresis loop in two-dimensional solidification. <i>Europhysics Letters</i> , 1999, 47, 575-581.	0.7	5
153	Quantitative studies of two-dimensional first- and second-order phase transitions by integrating diffraction methods. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 9933-9942.	0.7	1
154	Defects in epitaxial insulating thin films. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 9943-9954.	0.7	40
155	Stoichiometry and morphology of MgO films grown reactively on Ag(100). <i>Applied Surface Science</i> , 1999, 142, 129-134.	3.1	85
156	Growth and surface alloy formation of Mg on Ag(100). <i>Applied Surface Science</i> , 1999, 151, 40-48.	3.1	8
157	First-Principles Theory of Surface Thermodynamics and Kinetics. <i>Physical Review Letters</i> , 1999, 83, 2993-2996.	2.9	181
158	Oxygen surplus and oxygen vacancies on the surface of epitaxial MgO layers grown on Ag(100). <i>Surface Science</i> , 1999, 431, 146-155.	0.8	84
159	Multilayer relaxation of Pd(210) and Mo(211). <i>Surface Science</i> , 1999, 439, 224-234.	0.8	37
160	Defect-induced band gap states and the contact charging effect in wide band gap insulators. <i>Surface Science</i> , 1998, 408, 237-251.	0.8	35
161	Intensity fluctuations from surfaces and the assessment of time constants. <i>Surface Science</i> , 1998, 411, L789-L793.	0.8	1
162	Dynamical scaling in close-to-equilibrium adsorption. <i>Europhysics Letters</i> , 1998, 41, 395-400.	0.7	3

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163	Experimental determination of the phase-transition critical exponents $\nu$ and $\beta$ by integrating methods. Physical Review B, 1998, 57, 3345-3355.	1.1	10
164	Structural phase transitions of Si(111)-(3 $\times$ 3)R30 $\circ$ -Au: Phase transitions in domain-wall configurations. Physical Review B, 1998, 57, 10100-10109.	1.1	106
165	Critical properties in two-dimensional order-disorder phase transitions: experimental determination of the exponents $\alpha$ and $\eta$ by integrating methods. Europhysics Letters, 1997, 38, 165-170.	0.7	1
166	O/Ni(111): Lateral interactions and binding-energy difference between fcc and hcp sites. Physical Review B, 1997, 56, 10558-10566.	1.1	19
167	Critical scattering at the order-disorder phase transition of Si(111)-3 $\times$ 3R30 $\circ$ -Au surface: A phase transition with particle exchange. Physical Review B, 1997, 55, 8129-8135.	1.1	23
168	Are equilibrium fluctuations detectable in diffracted intensities?. Journal of Applied Physics, 1997, 82, 1507-1510.	1.1	6
169	Surface structure analysis of the domain-wall phase of S/Ru(0001) using an efficient parameter optimization method. Surface Science, 1997, 381, 174-189.	0.8	9
170	Phase diagram and phase transitions of the adsorbate system S/Ru(0001): a Monte Carlo study of a lattice gas model. Zeitschrift für Physik B-Condensed Matter, 1997, 104, 529-534.	1.1	2
171	Thermal Fluctuations in Equilibrium and Their Modification by Surface Defects. NATO ASI Series Series B: Physics, 1997, , 529-542.	0.2	0
172	Site exchange in thermally disordered adsorbate layers. Surface Science, 1996, 349, 185-195.	0.8	16
173	Domain walls and adsorbate-step interactions: an STM study of sulphur layers on Ru(0001). Surface Science, 1996, 347, 80-96.	0.8	25
174	The local geometry of chalcogen atoms on Pd(100): the low coverage phases of O and S. Surface Science, 1996, 365, 374-382.	0.8	36
175	Structural analysis of a short range ordered layer with several adsorption sites: ONi(111). Surface Science, 1996, 369, 248-264.	0.8	17
176	Angle and Energy Distributions of Thermally Desorbing Oxygen from Pt(111): The Influences of a Dynamically Variable Activation Barrier. Zeitschrift für Physikalische Chemie, 1996, 197, 253-268.	1.4	6
177	Phase transitions and critical phenomena in strongly chemisorbed adlayers: Influence of defects. Progress in Surface Science, 1996, 53, 205-215.	3.8	12
178	Adsorption geometry of OH adsorbed at F-centers on a NaCl(100) surface. Physical Review B, 1996, 53, 13115-13120.	1.1	31
179	Incommensurate-commensurate transition via domain wall evaporation in an overlayer. Europhysics Letters, 1996, 33, 673-678.	0.7	9
180	Phase transitions of the striped domain-wall phases of S on Ru(0001). Physical Review B, 1995, 51, 15742-15751.	1.1	9

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181	Adsorption-site mixing at a continuous order-disorder phase transition. <i>Physical Review B</i> , 1995, 52, 2138-2143.	1.1	12
182	The structure of dense sulphur layers on Ru(0001) II. The ( $\sqrt{7} \times \sqrt{7}$ ) R19.1° structure. <i>Surface Science</i> , 1995, 330, 11-19.	0.8	24
183	Isotope effects at the order-disorder phase transition of the ( $2 \times 2$ ) $\sqrt{2}$ H structure on Ni(111). <i>Surface Science</i> , 1995, 338, L839-L845.	0.8	7
184	Effect of oxygen impurities on the critical properties of the ( $2 \times 2$ )-2H/Ni(111) order-disorder phase transition. <i>Physical Review B</i> , 1995, 52, 9275-9282.	1.1	13
185	First- and Second-Order Phase Transitions in a Simple Lattice Gas Model. <i>Europhysics Letters</i> , 1994, 25, 105-111.	0.7	16
186	Effect of random quenched impurities on the critical behavior of a four-state Potts system in two dimensions: An experimental study. <i>Physical Review Letters</i> , 1994, 73, 296-299.	2.9	47
187	Continuous order-disorder phase transitions of the ( $2 \times 2$ ) and ( $\sqrt{3} \times \sqrt{3}$ ) R30° superstructures of sulfur on Ru(001): Effective critical exponents and finite-size effects. <i>Physical Review B</i> , 1994, 49, 7716-7728.	1.1	43
188	The structure: adsorbate induced relaxations. <i>Surface Science</i> , 1994, 312, 301-309.	0.8	38
189	The structure of dense sulphur layers on Ru(0001) I. The ( $2 \times 4$ ) structure. <i>Surface Science</i> , 1994, 316, 81-91.	0.8	32
190	Adsorbate induced relaxations of S/Ru(0001): ( $2 \times 2$ ) and ( $\sqrt{3} \times \sqrt{3}$ ) R30° structures. <i>Surface Science</i> , 1994, 303, 77-88.	0.8	46
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