Peter Zeppenfeld

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5668841/publications.pdf

Version: 2024-02-01

193 papers	4,454 citations	109264 35 h-index	138417 58 g-index
201 all docs	201 docs citations	201 times ranked	2906 citing authors

#	Article	IF	Citations
1	Standard deviation of microscopy images used as indicator for growth stages. Ultramicroscopy, 2022, 233, 113427.	0.8	5
2	A one-dimensional high-order commensurate phase of tilted molecules. Physical Chemistry Chemical Physics, 2022, , .	1.3	1
3	Attenuation of Photoelectron Emission by a Single Organic Layer. ACS Applied Materials & Interfaces, 2022, 14, 23983-23989.	4.0	5
4	Surface Resonant Raman Scattering from Cu(110). Physical Review Letters, 2022, 128, .	2.9	1
5	In situ electromagnet with active cooling for real-time magneto-optic Kerr effect spectroscopy. Review of Scientific Instruments, 2021, 92, 025105.	0.6	2
6	Magnetic switching in Ni/Cu(110)-(2â€‰Ã—â€‰1)O induced by CoPc. Journal of Applied Physics, 2019, 125, 142902.	1.1	3
7	Interplay between Morphology and Electronic Structure in Î±-Sexithiophene Films on Au(111). Journal of Physical Chemistry C, 2019, 123, 7931-7939.	1.5	6
8	Growth of Dihydrotetraazapentacene Layers on Cu(110). Journal of Physical Chemistry C, 2018, 122, 10828-10834.	1.5	5
9	Role of step edges on the structure formation of Î±-6T on Ag(441). Surface Science, 2018, 667, 17-24.	0.8	2
10	Molecular Reorientation during the Initial Growth of Perfluoropentacene on Ag(110). Journal of Physical Chemistry C, 2018, 122, 12704-12711.	1.5	11
11	Growth of tetraphenyl-porphyrin thin films on Ag(111). Synthetic Metals, 2017, 228, 64-69.	2.1	4
12	Angular resolved transmission spectra of corrugated metallic films and gratings: Localized and surface plasmons. Materials Letters, 2017, 203, 32-36.	1.3	0
13	On the microscopic structure of a nominal Ag(441) surface. Surface Science, 2017, 661, 77-82.	0.8	3
14	Probing optical excitations in chevron-like armchair graphene nanoribbons. Nanoscale, 2017, 9, 18326-18333.	2.8	19
15	Perfluoropentacene adsorption on Cu(110). Physical Review B, 2017, 96, .	1.1	4
16	Growth of pentacene on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub>< mathvariant="bold">Al</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> (0001) ... Physical Review Materials, 2017, 1, .	0.9	12
17	Spectroscopic STM studies of single pentacene molecules on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Cu</mml:mi><mml:mo>(</mml:mo><mml:mn>110</mml:mn><mml:mo>)</mml:mo><mml:mo>â^'</mml:mo>< mathvariant="normal">c</mml:mi><mml:mo>(</mml:mo><mml:mn>6</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>2</mml:mn>< mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	1.1	5
18	Optical and structural properties of the pentacene/quartz (0001) interface. Physical Review B, 2016, 93, .	1.1	11

#	Article	IF	Citations
19	Tuning the plasmonic behavior of metallic nanowires. Materials Letters, 2016, 165, 181-184.	1.3	10
20	A high efficiency single molecule localisation algorithm with sub-pixel resolution based on fluorescence images. Imaging Science Journal, 2016, 64, 50-56.	0.2	2
21	Polarization-dependent differential reflectance spectroscopy for real-time monitoring of organic thin film growth. Review of Scientific Instruments, 2015, 86, 113108.	0.6	8
22	The growth of Î±-sexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. Ultramicroscopy, 2015, 159, 464-469.	0.8	8
23	Water adsorbate influence on the Cu(110) surface optical response. Surface Science, 2015, 641, 231-236.	0.8	9
24	Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 24174-24181.	1.5	13
25	Reflectance anisotropy spectroscopy as a tool for mechanical characterization of metallic thin films. Journal Physics D: Applied Physics, 2015, 48, 415303.	1.3	10
26	Optical referencing in differential reflectance spectroscopy. Measurement Science and Technology, 2014, 25, 115603.	1.4	14
27	Pentacene/Cu(110) interface formation monitored byin situoptical spectroscopy. Physical Review B, 2014, 89, .	1.1	6
28	Reflectance difference spectroscopy of water on Cu(110). Surface Science, 2014, 627, 16-22.	0.8	4
29	C₆₀ adsorption on Cu(110) studied by optical spectroscopy. Physica Status Solidi - Rapid Research Letters, 2014, 8, 133-136.	1.2	1
30	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. Nature Communications, 2014, 5, 4253.	5.8	155
31	Quinacridone on Ag(111): Hydrogen Bonding versus Chirality. Journal of Physical Chemistry C, 2014, 118, 10911-10920.	1.5	21
32	Matrix effects in the neutralization of He ions at a metal surface containing oxygen. Surface Science, 2013, 609, 167-171.	0.8	17
33	Probing organic nanostructures by photoelectron-emission microscopy. Applied Surface Science, 2013, 267, 26-29.	3.1	10
34	Spectroscopic Ellipsometry on Metallic Gratings. , 2013, , 257-311.		3
35	In-situ, Real-Time Investigation of Organic Thin Film Growth Using Reflectance Difference Spectroscopy. Springer Series in Materials Science, 2013, , 251-270.	0.4	0
36	Azimuthal Reorientation of Pentacene upon 2D Condensation. Physical Review Letters, 2013, 110, 106101.	2.9	17

#	Article	IF	Citations
37	Optical probe for surface and subsurface defects induced by ion bombardment. Physica Status Solidi - Rapid Research Letters, 2013, 7, 301-304.	1.2	4
38	Study of p-6P Molecule Growth by In-Situ and Real-Time Spectroscopic Ellipsometry. Materialpruefung/Materials Testing, 2013, 55, 139-142.	0.8	0
39	Design and Experimental Study of Deposition Temperature Control System in Ultra-High Vacuum. Advanced Materials Research, 2012, 571, 564-568.	0.3	0
40	Layer resolved evolution of the optical properties of Î±-sexithiophene thin films. Physical Chemistry Chemical Physics, 2012, 14, 13651.	1.3	16
41	Monitoring preparation and phase transitions of carburized W(110) by reflectance difference spectroscopy. Applied Surface Science, 2012, 258, 10123-10127.	3.1	4
42	Effect of postgrowth oxygen exposure on the magnetic properties of Ni on the Cu-CuO stripe phase. Physical Review B, 2012, 85, .	1.1	5
43	Real-Time Fluorescence Microscopic Image Acquisition and Analysis System for Thin-Film Growth Investigation. Guangxue Xuebao/Acta Optica Sinica, 2012, 32, 0931002.	0.2	1
44	Layer inversion in organic heterostructures. Physical Chemistry Chemical Physics, 2011, 13, 13382.	1.3	14
45	Initial stage of crystalline rubrene thin film growth on mica (001). Synthetic Metals, 2011, 161, 271-274.	2.1	4
46	Î±-6T on Ag(110): The formation of the wetting layer. Synthetic Metals, 2011, 161, 2006-2010.	2.1	20
47	A simple method to prepare self-assembled organic-organic heterobilayers on metal substrates. AIP Advances, 2011, 1, 022112.	0.6	2
48	Standing and flat lying Î±-6T molecules probed by imaging photoelectron spectroscopy. Organic Electronics, 2011, 12, 442-446.	1.4	13
49	Growth and optical properties of Ag clusters deposited on poly(ethylene terephthalate). Nanotechnology, 2011, 22, 275710.	1.3	8
50	Fluorescence study of silicon fabricated by nanosecond pulse laser. , 2010, , .		0
51	In-situ characterization of metal clusters supported onÂaÂbirefringent substrate using reflectance difference spectroscopy. Applied Physics A: Materials Science and Processing, 2010, 98, 499-507.	1.1	6
52	Optical characterization of methanol adsorption on the bare and oxygen precovered Cu(110) surface. Surface Science, 2010, 604, 824-828.	0.8	3
53	The influence of oxygen on the growth of silver on Cu(110). Surface Science, 2010, 604, 2016-2020.	0.8	0
54	A rotating-compensator based reflectance difference spectrometer for fast spectroscopic measurements. Review of Scientific Instruments, 2010, 81, 043108.	0.6	20

#	Article	IF	Citations
55	Stranski-Krastanov growth of para-sexiphenyl on Cu(110)â€“(2Ã—1)O revealed by optical spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 14706.	1.3	13
56	Tunable Ag Nanowires Grown on Cu(110)-Based Templates. Journal of Physical Chemistry Letters, 2010, 1, 1026-1029.	2.1	9
57	Revealing the buried interface: para-sexiphenyl thin films grown on TiO2(110). Physical Chemistry Chemical Physics, 2010, 12, 3141.	1.3	15
58	Ag on Cu(110)-(2*1)O: Desorption of Oxygen versus Diffusion of Ag. E-Journal of Surface Science and Nanotechnology, 2010, 8, 32-37.	0.1	4
59	A High-Accuracy and Fast Method for Tracking Fluorescent Single Molecules. Guangxue Xuebao/Acta Optica Sinica, 2010, 30, 1994-2000.	0.2	0
60	Extremely sharp spin reorientation transition in ultrathin Ni films grown on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Cu</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>110</mml:mn> Physical Review B, 2009, 79, .	1.1	8
61	Optical characterization of thin nickel films on polymer substrates using reflectance difference spectroscopy. Journal of Applied Physics, 2009, 105, 123503.	1.1	4
62	Ag induced restructuring of the oxygen precovered Cu(110) surface. Surface Science, 2009, 603, 3410-3413.	0.8	6
63	Impact of lamp instability on rotating compensator based ellipsometry. Proceedings of SPIE, 2009, , .	0.8	1
64	Scattering of surface electrons from CuO stripes on Cu(110). Surface Science, 2008, 602, L1-L4.	0.8	15
65	Retardation correction for photoelastic modulator-based multichannel reflectance difference spectroscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1240.	0.8	6
66	Effects of laser irradiation on the morphology of Cu(110). Physical Review B, 2008, 78, .	1.1	4
67	Quantitative analysis of ultra thin layer growth by time-of-flight low energy ion scattering. Applied Physics Letters, 2008, 92, .	1.5	17
68	Oxygen-induced restructuring of Cu(19 19 1) studied by scanning tunneling microscopy. Physical Review B, 2008, 78, .	1.1	5
69	Optical anisotropies of metal clusters supported on a birefringent substrate. Physical Review B, 2008, 78, .	1.1	21
70	Ab initioreflectance difference spectra of the bare and adsorbate covered Cu(110) surfaces. Physical Review B, 2007, 76, .	1.1	42
71	Oxygen chemisorption on Cu(19 19 1) studied by spot profile analysis low-energy electron diffraction. Physical Review B, 2007, 76, .	1.1	6
72	Oxygen adsorption on Cu(110) at low temperature. Physical Review B, 2007, 76, .	1.1	25

#	Article	IF	Citations
73	Separation of coherent and incoherent contributions to reflectance difference spectra. Applied Physics Letters, 2007, 90, 231903.	1.5	4
74	Characterization of optical anisotropy in oriented poly(ethylene terephthalate) films using reflectance difference spectroscopy. Polymer, 2006, 47, 4768-4772.	1.8	11
75	para-Sexiphenyl thin film growth on Cu(110) and Cu(110)â€“(2Ã—1)O surfaces. Surface Science, 2006, 600, 762-769.	0.8	36
76	Reflectance difference spectroscopy study of Ag growth on W(110). Surface Science, 2006, 600, L281-L285.	0.8	3
77	Optical and mechanical anisotropies of oriented poly(ethylene terephthalate) films. Applied Physics Letters, 2006, 89, 051906.	1.5	11
78	Online measurement of the optical anisotropy during the growth of crystalline organic films. Applied Physics Letters, 2006, 88, 121913.	1.5	22
79	Strain Oscillations Probed with Light. Physical Review Letters, 2006, 96, 016105.	2.9	13
80	Ion and neutral scattering spectra in LEIS. Nuclear Instruments & Methods in Physics Research B, 2005, 232, 266-271.	0.6	4
81	Origin and temperature dependence of the surface optical anisotropy on Cu(110). Surface Science, 2005, 589, 153-163.	0.8	27
82	Reflectance difference spectroscopy â€“ a powerful tool to study adsorption and growth. Applied Physics A: Materials Science and Processing, 2005, 80, 1005-1010.	1.1	12
83	Secondary electron images obtained with a standard photoelectron emission microscope set-up. Journal of Physics Condensed Matter, 2005, 17, S1311-S1318.	0.7	1
84	Argon adsorption in open-ended single-wall carbon nanotubes. Physical Review B, 2005, 71, .	1.1	55
85	Oxygen-induced reconstructions of Cu(110) studied by reflectance difference spectroscopy. Physical Review B, 2004, 69, .	1.1	24
86	Non-local versus local neutralization of slow He ions in surface scattering. Physica Status Solidi (B): Basic Research, 2004, 241, 2380-2388.	0.7	4
87	Thermodynamics and structure of hydrogen, methane, argon, oxygen and carbon dioxide adsorbed on single wall carbon nanotube bundles. Physica B: Condensed Matter, 2004, 350, E423-E426.	1.3	11
88	Elastic origin of the O/Cu(110) self-ordering evidenced by GIXD. Surface Science, 2004, 549, 52-66.	0.8	37
89	Thermodynamics and structure of hydrogen, methane, argon, oxygen, and carbon dioxide adsorbed on single-wall carbon nanotube bundles. Physical Review B, 2004, 70, .	1.1	144
90	The influence of long-range lateral interactions on the thermodynamics and kinetics of thermal desorption. Chemical Physics Letters, 2003, 379, 568-573.	1.2	9

#	Article	IF	Citations
91	The influence of weak adsorbateâ€“adsorbate interactions on desorption. Chemical Physics Letters, 2003, 369, 275-280.	1.2	14
92	Surface-induced d-band anisotropy on Cu(). Surface Science, 2003, 527, L184-L190.	0.8	29
93	Neutron diffraction and numerical modelling investigation of methane adsorption on bundles of carbon nanotubes. Chemical Physics, 2003, 293, 217-230.	0.9	56
94	RDS investigation of adsorption and surface ordering processes on Cu(110). Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3022-3026.	0.8	6
95	Adsorption of Argon on Carbon Nanotube Bundles and its Influence on the Bundle Lattice Parameter. Physical Review Letters, 2003, 91, 035503.	2.9	40
96	Enhanced Optical Sensitivity to Adsorption due to Depolarization of Anisotropic Surface States. Physical Review Letters, 2003, 90, 106104.	2.9	40
97	Low-temperature phases of Xe on Pd(111). Physical Review B, 2003, 68, .	1.1	16
98	Kinetic Monte Carlo investigation of Xe adsorption and desorption on Pt(111) and Pt(997). Physical Review B, 2002, 65, .	1.1	13
99	Selective adsorption and structure formation ofN2on the nanostructured Cu-CuO stripe phase. Physical Review B, 2002, 66, .	1.1	15
100	Diffraction study of CD 4 and D 2 adsorbed on carbon nanotubes. Applied Physics A: Materials Science and Processing, 2002, 74, s1293-s1295.	1.1	21
101	Self-ordering on crystal surfaces: fundamentals and applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 96, 169-177.	1.7	31
102	Growth of cobalt on the nanostructured Cuâ€“CuO() surface. Surface Science, 2002, 512, 185-193.	0.8	11
103	Self-ordering in two dimensions: nitrogen adsorption on copper (100) followed by STM at elevated temperature. Surface Science, 2001, 476, 95-106.	0.8	70
104	Ordering of nitrogen molecules on the nanostructured Cu(110)/Cu(110)â€“(2Ã—1)O stripe phase. Surface Science, 2001, 482-485, 1379-1384.	0.8	2
105	Where are the molecules adsorbed on single-walled nanotubes?. Surface Science, 2001, 492, 67-74.	0.8	106
106	Rotational excitations of methane molecules in carbon nanotubes. Physica B: Condensed Matter, 2001, 301, 292-294.	1.3	6
107	Novel Monte Carlo scheme for the simulation of adsorption and desorption processes. Chemical Physics Letters, 2001, 336, 123-128.	1.2	7
108	Reply to â€œComment on â€˜Effect of the structural anisotropy and lateral strain on the surface phonons of monolayer xenon on Cu(110)â€™ â€• Physical Review B, 2001, 64, .	1.1	2

#	Article	IF	Citations
109	OberflÃchenphysik: Nanostrukturierte OberflÃchen: Anwendungen von Nanostrukturen setzen einfache, reproduzierbare Herstellungsverfahren voraus. Physik Journal, 2000, 56, 33-38.	0.1	1
110	Morphology of fcc Co(110) films on Cu(110). Surface Science, 2000, 454-456, 741-745.	0.8	9
111	Kinetic Monte Carlo simulation scheme for studying desorption processes. Surface Science, 2000, 454-456, 251-255.	0.8	28
112	Methane mobility in carbon nanotubes. Surface Science, 2000, 460, 243-248.	0.8	54
113	Adsorption and structure of N2 on Pt(111). Surface Science, 2000, 444, 163-179.	0.8	20
114	Effect of the diffusion anisotropy on the nucleation and growth of xenon on Cu(110). Surface Science, 2000, 446, L113-L119.	0.8	14
115	How to use oxygen and atomic hydrogen to prepare atomically flat fcc Co(110) films. Europhysics Letters, 1999, 46, 589-594.	0.7	14
116	Isotopic ordering in adsorbed hydrogen monolayers. Physical Review B, 1999, 60, 11773-11782.	1.1	22
117	Influence of film structure on the surface vibrations of Co/Au(111). Journal of Electron Spectroscopy and Related Phenomena, 1999, 105, 37-42.	0.8	5
118	Structure of N2 adlayers on the highly corrugated Cu(110)â€“(2Ã—1)O surface. Surface Science, 1999, 423, 175-188.	0.8	8
119	Isotopic Ordering in Adsorbed Hydrogen Single Layers. Journal of Low Temperature Physics, 1998, 111, 555-560.	0.6	8
120	Adsorption and growth on nanostructured surfaces. Applied Surface Science, 1998, 130-132, 484-490.	3.1	27
121	Structure determination of disordered metallic sub-monolayers by helium scattering: a theoretical and experimental study. Surface Science, 1998, 410, L721-L726.	0.8	5
122	Preparation of atomically flat Co(110) films on Cu(110). Applied Physics Letters, 1998, 73, 1059-1061.	1.5	28
123	Characterization of theCu(110)â^'(2Ã—1)Oreconstruction by means of molecular adsorption. Physical Review B, 1998, 58, 9998-10002.	1.1	22
124	Comparison of potential calculations with helium diffraction and thermal desorption data ofCF4andCF3Cladsorbed on Cu(110). Physical Review B, 1998, 58, 7420-7427.	1.1	1
125	Surfactant-Induced Layer-by-Layer Growth on a Highly Anisotropic Substrate: Co/Cu(110). Physical Review Letters, 1998, 80, 2877-2880.	2.9	61
126	Structure of Xe adsorbed on the highly corrugatedCu(110)â^'(2Ã—1)Osurface. Physical Review B, 1998, 57, 13149-13157.	1.1	13

#	Article	IF	Citations
127	Influence of mode polarizations on the inelastic He-scattering spectrum: High-order commensurate Xe monolayer adsorbed on Cu(110). Physical Review B, 1997, 55, 13203-13212.	1.1	27
128	Determination of iodine adlayer structures on Au(111) by scanning tunneling microscopy. Journal of Chemical Physics, 1997, 107, 585-591.	1.2	38
129	Orientational Ordering on a Corrugated Substrate: Novel Pinwheel Structure forN2Adsorbed on Cu(110). Physical Review Letters, 1997, 78, 1504-1507.	2.9	45
130	Preparation of well-ordered cobalt nanostructures on Au(111). Physical Review B, 1997, 55, 13932-13937.	1.1	40
131	High-order commensurate structures of CF4 on Cu(110) from interaction potential calculations. Journal of Chemical Physics, 1997, 107, 653-660.	1.2	1
132	He scattering from random adsorbates, disordered compact islands, and fractal submonolayers: Intensity manifestations of surface disorder. Journal of Chemical Physics, 1997, 106, 4228-4242.	1.2	8
133	COMBINED X-RAY AND STM STUDY OF THE OXYGEN-INDUCED RESTRUCTURING OF THE Au(111) SURFACE. Surface Review and Letters, 1997, 04, 1315-1319.	0.5	6
134	Structure and phase transitions of D2 + Ar mixtures adsorbed on graphite. Surface Science, 1997, 377-379, 504-508.	0.8	2
135	Adsorption and structure of N2 on copper(110). Surface Science, 1997, 383, 321-339.	0.8	32
136	Growth and stability of cobalt nanostructures on gold (111). Surface Science, 1997, 394, 170-184.	0.8	20
137	Structure of monolayer films of hydrogen isotope mixtures. Physica B: Condensed Matter, 1997, 234-236, 159-163.	1.3	8
138	Adsorption and structure of CF4 on Cu(110). Surface Science, 1996, 352-354, 274-279.	0.8	4
139	Surface morphology of Au(111) after exposure to oxygen at high temperature and pressure. Surface Science, 1996, 352-354, 285-289.	0.8	27
140	Characterization by scanning tunneling microscopy of the oxygen induced restructuring of Au(111). Surface Science, 1996, 355, 1-12.	0.8	44
141	Structure and phase transitions of xenon monolayers on Cu(110). Surface Science, 1996, 366, 1-18.	0.8	25
142	Structure of mixed H2â^'D2 absorbed single layers. European Physical Journal D, 1996, 46, 447-448.	0.4	2
143	Resonant states of helium atoms scattered from the Pt(110)â€(1Ã—2) surface. Journal of Chemical Physics, 1995, 103, 8705-8712.	1.2	10
144	Observation by scanning tunneling microscopy of a hexagonal Au(111) surface reconstruction induced by oxygen. Applied Physics Letters, 1995, 66, 935-937.	1.5	27

#	Article	IF	Citations
145	Structures of physisorbed monolayers on an anisotropic substrate: Xe and N2 on Cu(110). Surface Science, 1995, 331-333, 1038-1042.	0.8	8
146	Temperature dependence of the xenon-layer morphology on platinum (111) studied with scanning tunneling microscopy. Surface Science, 1995, 331-333, 908-912.	0.8	20
147	Adsorption of hydrogen on Pt(100) at low temperatures. Surface Science, 1995, 336, 362-370.	0.8	14
148	Stability of disk and stripe patterns of nanostructures at surfaces. Surface Science, 1995, 342, L1131-L1136.	0.8	31
149	A scanning tunneling microscopy study of the adsorption of Xe on Pt(111) up to one monolayer. Applied Physics A: Materials Science and Processing, 1995, 60, 147-153.	1.1	35
150	A scanning tunneling microscopy study of the adsorption of Xe on Pt(111) up to one monolayer. Applied Physics A: Materials Science and Processing, 1995, 60, 147-153.	1.1	1
151	Thermal disordering of the Pt(110)-(1Ã—2) surface. Physical Review B, 1994, 50, 18505-18516.	1.1	22
152	Interaction of xenon at surface steps. Physical Review Letters, 1994, 73, 1259-1262.	2.9	57
153	Effect of the structural anisotropy and lateral strain on the surface phonons of monolayer xenon on Cu(110). Physical Review B, 1994, 50, 14667-14670.	1.1	39
154	Size relation for surface systems with long-range interactions. Physical Review Letters, 1994, 72, 2737-2740.	2.9	136
155	Xe monolayer adsorption on Cu(110): Experiments and interaction calculations. Surface Science, 1994, 313, 251-265.	0.8	36
156	Island mediated sticking of the rare gases on Cu(110). Surface Science, 1994, 318, L1187-L1192.	0.8	25
157	An ultrahigh vacuum scanning tunneling microscope for use at variable temperature from 10 to 400 K. Review of Scientific Instruments, 1994, 65, 3204-3210.	0.6	36
158	Mixtures of Kr and Xe physisorbed on Pt(111): a prototype of a stochastic two-dimensional alloy. Surface Science Letters, 1993, 285, L461-L467.	0.1	1
159	Structure of the hydrogen covered Cu(110) surface studied with thermal energy helium scattering. Surface Science Letters, 1993, 289, A505.	0.1	0
160	On the formation of Ar-Kr two-dimensional mixtures. Surface Science, 1993, 297, L141-L147.	0.8	11
161	Structure of the hydrogen covered Cu(110) surface studied with thermal energy helium scattering. Surface Science, 1993, 289, 201-213.	0.8	20
162	Mixtures of Kr and Xe physisorbed on Pt(111): a prototype of a stochastic two-dimensional alloy. Surface Science, 1993, 285, L461-L467.	0.8	11

#	Article	IF	Citations
163	He scattering from substitutionally disordered mixed monolayers: Experimental and theoretical studies of Xe+Kr on Pt(111). Journal of Chemical Physics, 1993, 99, 8280-8289.	1.2	7
164	On the origin of spurious peaks in pseudorandom timeâ€ofâ€flight analysis. Review of Scientific Instruments, 1993, 64, 1520-1523.	0.6	10
165	Critical analysis of the possible experimental evidence for an on-top adsorption site for xenon on Pt(111). Physical Review B, 1992, 46, 8806-8810.	1.1	13
166	Structure of monolayer Ar on Pt(111): Possible realization of a devilâ€™s staircase in two dimensions. Physical Review B, 1992, 45, 5179-5186.	1.1	37
167	Probing surfaces with thermal energy atoms: proposal for a novel triple-axis He-surface spectrometer. Surface Science, 1992, 272, 118-129.	0.8	9
168	Manipulating atoms and molecules with a scanning tunneling microscope. Ultramicroscopy, 1992, 42-44, 128-133.	0.8	165
169	Long-range spatial self-organization in the adsorbate-induced restructuring of surfaces: Cu{100}-(2Â—1)O. Physical Review Letters, 1991, 67, 855-858.	2.9	404
170	Search for a Fluid Phase in Films of Molecular Hydrogen Isotopes Adsorbed on MgO. NATO ASI Series Series B: Physics, 1991, , 477-488.	0.2	9
171	Anharmonic linewidth broadening of surface phonons. Chemical Physics Letters, 1990, 167, 362-366.	1.2	13
172	Vibrational spectroscopy of rare gas adlayers. Journal of Electron Spectroscopy and Related Phenomena, 1990, 54-55, 265-280.	0.8	18
173	Surface melting of thin films of methane. Vacuum, 1990, 41, 404-405.	1.6	2
174	Van Hove anomaly in the phonon dispersion of monolayer Ar/Pt(111). Physical Review B, 1990, 41, 8549-8552.	1.1	27
175	Surface melting on the close-packed (111) face of methane thin films condensed on graphite. Surface Science, 1990, 226, 327-338.	0.8	51
176	Surface melting of deuterium hydride thick films. Journal De Physique, 1990, 51, 1929-1938.	1.8	21
177	No Thermal Roughening on Cu(110) up to 900 K. Physical Review Letters, 1989, 62, 63-66.	2.9	136
178	Anharmonic damping in rare-gas multilayers. Physical Review B, 1989, 40, 6326-6338.	1.1	60
179	Surface anharmonicity on Cu(110). Physical Review B, 1989, 40, 5936-5940.	1.1	35
180	Diffraction from domain-wall systems. Physical Review B, 1988, 38, 3918-3924.	1.1	44

#	Article	IF	Citations
181	Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111). Surface Science, 1988, 195, 353-370.	0.8	101
182	Twoâ€dimensional phase transitions studied by thermal He scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 639-645.	0.9	36
183	Lattice dynamics of Cu(110): High-resolution He-scattering study. Physical Review B, 1988, 38, 12329-12337.	1.1	68
184	Structure and Phase Transitions of Incommensurate Xe Layers on Pt(111). Springer Series in Surface Sciences, 1988, , 488-495.	0.3	1
185	High Resolution He-Scattering Studies of Physisorbed Films. Springer Series in Surface Sciences, 1988, , 502-508.	0.3	0
186	Adsorbate-substrate vibrational coupling in physisorbed Kr films on Pt(111). Physical Review B, 1987, 35, 886-889.	1.1	68
187	Incommensurate to high-order commensurate phase transition of Kr on Pt(111). Physical Review Letters, 1987, 59, 79-82.	2.9	45
188	Are the time resolutions for the conventional and the pseudorandom methods for timeâ€ofâ€flight analysis different?. Review of Scientific Instruments, 1987, 58, 2138-2140.	0.6	9
189	Symmetry breaking commensurate-incommensurate transition of monolayer Xe physisorbed on Pt(111). Solid State Communications, 1987, 62, 391-394.	0.9	63
190	Structure and dynamics of rare-gas layers on pt(111). Journal of Electron Spectroscopy and Related Phenomena, 1987, 44, 215-228.	0.8	10
191	Impurity-quenched orientational epitaxy of Kr layers on Pt(111). Physical Review Letters, 1986, 57, 3187-3190.	2.9	42
192	Highâ€resolution Heâ€scattering apparatus for gasâ€“surface interaction studies. Review of Scientific Instruments, 1986, 57, 2771-2779.	0.6	88
193	Noble gases on metals and semiconductors. , 0, , 67-74.		4