

# Peter Zeppenfeld

## List of Publications by Year in descending order

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193  
papers

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109137

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all docs

201  
docs citations

201  
times ranked

2906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-range spatial self-organization in the adsorbate-induced restructuring of surfaces: Cu{100}-(2Å-1)O. Physical Review Letters, 1991, 67, 855-858.	2.9	404
2	Manipulating atoms and molecules with a scanning tunneling microscope. Ultramicroscopy, 1992, 42-44, 128-133.	0.8	165
3	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. Nature Communications, 2014, 5, 4253.	5.8	155
4	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
5	No Thermal Roughening on Cu(110) up to 900 K. Physical Review Letters, 1989, 62, 63-66.	2.9	136
6	Size relation for surface systems with long-range interactions. Physical Review Letters, 1994, 72, 2737-2740.	2.9	136
7	Where are the molecules adsorbed on single-walled nanotubes?. Surface Science, 2001, 492, 67-74.	0.8	106
8	Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111). Surface Science, 1988, 195, 353-370.	0.8	101
9	High-resolution He scattering apparatus for gas surface interaction studies. Review of Scientific Instruments, 1986, 57, 2771-2779.	0.6	88
10	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
11	Adsorbate-substrate vibrational coupling in physisorbed Kr films on Pt(111). Physical Review B, 1987, 35, 886-889.	1.1	68
12	Lattice dynamics of Cu(110): High-resolution He-scattering study. Physical Review B, 1988, 38, 12329-12337.	1.1	68
13	Symmetry breaking commensurate-incommensurate transition of monolayer Xe physisorbed on Pt(111). Solid State Communications, 1987, 62, 391-394.	0.9	63
14	Surfactant-Induced Layer-by-Layer Growth on a Highly Anisotropic Substrate: Co/Cu(110). Physical Review Letters, 1998, 80, 2877-2880.	2.9	61
15	Anharmonic damping in rare-gas multilayers. Physical Review B, 1989, 40, 6326-6338.	1.1	60
16	Interaction of xenon at surface steps. Physical Review Letters, 1994, 73, 1259-1262.	2.9	57
17	Neutron diffraction and numerical modelling investigation of methane adsorption on bundles of carbon nanotubes. Chemical Physics, 2003, 293, 217-230.	0.9	56
18	Argon adsorption in open-ended single-wall carbon nanotubes. Physical Review B, 2005, 71, .	1.1	55

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19	Methane mobility in carbon nanotubes. <i>Surface Science</i> , 2000, 460, 243-248.	0.8	54
20	Surface melting on the close-packed (111) face of methane thin films condensed on graphite. <i>Surface Science</i> , 1990, 226, 327-338.	0.8	51
21	Incommensurate to high-order commensurate phase transition of Kr on Pt(111). <i>Physical Review Letters</i> , 1987, 59, 79-82.	2.9	45
22	Orientalional Ordering on a Corrugated Substrate: Novel Pinwheel Structure for N <sub>2</sub> Adsorbed on Cu(110). <i>Physical Review Letters</i> , 1997, 78, 1504-1507.	2.9	45
23	Diffraction from domain-wall systems. <i>Physical Review B</i> , 1988, 38, 3918-3924.	1.1	44
24	Characterization by scanning tunneling microscopy of the oxygen induced restructuring of Au(111). <i>Surface Science</i> , 1996, 355, 1-12.	0.8	44
25	Impurity-quenched orientational epitaxy of Kr layers on Pt(111). <i>Physical Review Letters</i> , 1986, 57, 3187-3190.	2.9	42
26	Ab initio reflectance difference spectra of the bare and adsorbate covered Cu(110) surfaces. <i>Physical Review B</i> , 2007, 76, .	1.1	42
27	Preparation of well-ordered cobalt nanostructures on Au(111). <i>Physical Review B</i> , 1997, 55, 13932-13937.	1.1	40
28	Adsorption of Argon on Carbon Nanotube Bundles and its Influence on the Bundle Lattice Parameter. <i>Physical Review Letters</i> , 2003, 91, 035503.	2.9	40
29	Enhanced Optical Sensitivity to Adsorption due to Depolarization of Anisotropic Surface States. <i>Physical Review Letters</i> , 2003, 90, 106104.	2.9	40
30	Effect of the structural anisotropy and lateral strain on the surface phonons of monolayer xenon on Cu(110). <i>Physical Review B</i> , 1994, 50, 14667-14670.	1.1	39
31	Determination of iodine adlayer structures on Au(111) by scanning tunneling microscopy. <i>Journal of Chemical Physics</i> , 1997, 107, 585-591.	1.2	38
32	Structure of monolayer Ar on Pt(111): Possible realization of a devil's staircase in two dimensions. <i>Physical Review B</i> , 1992, 45, 5179-5186.	1.1	37
33	Elastic origin of the O/Cu(110) self-ordering evidenced by GIXD. <i>Surface Science</i> , 2004, 549, 52-66.	0.8	37
34	Two-dimensional phase transitions studied by thermal He scattering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1988, 6, 639-645.	0.9	36
35	Xe monolayer adsorption on Cu(110): Experiments and interaction calculations. <i>Surface Science</i> , 1994, 313, 251-265.	0.8	36
36	An ultrahigh vacuum scanning tunneling microscope for use at variable temperature from 10 to 400 K. <i>Review of Scientific Instruments</i> , 1994, 65, 3204-3210.	0.6	36

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37	para-Sexiphenyl thin film growth on Cu(110) and Cu(110) $\sqrt{2}\sqrt{1}\sqrt{0}$ surfaces. Surface Science, 2006, 600, 762-769.	0.8	36
38	Surface anharmonicity on Cu(110). Physical Review B, 1989, 40, 5936-5940.	1.1	35
39	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
40	Adsorption and structure of N <sub>2</sub> on copper(110). Surface Science, 1997, 383, 321-339.	0.8	32
41	Stability of disk and stripe patterns of nanostructures at surfaces. Surface Science, 1995, 342, L1131-L1136.	0.8	31
42	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
43	Surface-induced d-band anisotropy on Cu(). Surface Science, 2003, 527, L184-L190.	0.8	29
44	Preparation of atomically flat Co(110) films on Cu(110). Applied Physics Letters, 1998, 73, 1059-1061.	1.5	28
45	Kinetic Monte Carlo simulation scheme for studying desorption processes. Surface Science, 2000, 454-456, 251-255.	0.8	28
46	Van Hove anomaly in the phonon dispersion of monolayer Ar/Pt(111). Physical Review B, 1990, 41, 8549-8552.	1.1	27
47	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
48	Surface morphology of Au(111) after exposure to oxygen at high temperature and pressure. Surface Science, 1996, 352-354, 285-289.	0.8	27
49	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
50	Adsorption and growth on nanostructured surfaces. Applied Surface Science, 1998, 130-132, 484-490.	3.1	27
51	Origin and temperature dependence of the surface optical anisotropy on Cu(110). Surface Science, 2005, 589, 153-163.	0.8	27
52	Island mediated sticking of the rare gases on Cu(110). Surface Science, 1994, 318, L1187-L1192.	0.8	25
53	Structure and phase transitions of xenon monolayers on Cu(110). Surface Science, 1996, 366, 1-18.	0.8	25
54	Oxygen adsorption on Cu(110) at low temperature. Physical Review B, 2007, 76, .	1.1	25

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55	Oxygen-induced reconstructions of Cu(110) studied by reflectance difference spectroscopy. Physical Review B, 2004, 69, .	1.1	24
56	Thermal disordering of the Pt(110)-(1 $\times$ 2) surface. Physical Review B, 1994, 50, 18505-18516.	1.1	22
57	Characterization of the Cu(110) $\sqrt{2}\times\sqrt{2}$ reconstruction by means of molecular adsorption. Physical Review B, 1998, 58, 9998-10002.	1.1	22
58	Isotopic ordering in adsorbed hydrogen monolayers. Physical Review B, 1999, 60, 11773-11782.	1.1	22
59	Online measurement of the optical anisotropy during the growth of crystalline organic films. Applied Physics Letters, 2006, 88, 121913.	1.5	22
60	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
61	Optical anisotropies of metal clusters supported on a birefringent substrate. Physical Review B, 2008, 78, .	1.1	21
62	Quinacridone on Ag(111): Hydrogen Bonding versus Chirality. Journal of Physical Chemistry C, 2014, 118, 10911-10920.	1.5	21
63	Surface melting of deuterium hydride thick films. Journal De Physique, 1990, 51, 1929-1938.	1.8	21
64	Structure of the hydrogen covered Cu(110) surface studied with thermal energy helium scattering. Surface Science, 1993, 289, 201-213.	0.8	20
65	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
66	Growth and stability of cobalt nanostructures on gold (111). Surface Science, 1997, 394, 170-184.	0.8	20
67	Adsorption and structure of N <sub>2</sub> on Pt(111). Surface Science, 2000, 444, 163-179.	0.8	20
68	A rotating-compensator based reflectance difference spectrometer for fast spectroscopic measurements. Review of Scientific Instruments, 2010, 81, 043108.	0.6	20
69	$\sqrt{3}\times\sqrt{3}$ on Ag(110): The formation of the wetting layer. Synthetic Metals, 2011, 161, 2006-2010.	2.1	20
70	Probing optical excitations in chevron-like armchair graphene nanoribbons. Nanoscale, 2017, 9, 18326-18333.	2.8	19
71	Vibrational spectroscopy of rare gas adlayers. Journal of Electron Spectroscopy and Related Phenomena, 1990, 54-55, 265-280.	0.8	18
72	Quantitative analysis of ultra thin layer growth by time-of-flight low energy ion scattering. Applied Physics Letters, 2008, 92, .	1.5	17

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73	Matrix effects in the neutralization of He ions at a metal surface containing oxygen. <i>Surface Science</i> , 2013, 609, 167-171.	0.8	17
74	Azimuthal Reorientation of Pentacene upon 2D Condensation. <i>Physical Review Letters</i> , 2013, 110, 106101.	2.9	17
75	Low-temperature phases of Xe on Pd(111). <i>Physical Review B</i> , 2003, 68, .	1.1	16
76	Layer resolved evolution of the optical properties of $\hat{\pm}$ -sexithiophene thin films. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13651.	1.3	16
77	Selective adsorption and structure formation of N <sub>2</sub> on the nanostructured Cu-CuO stripe phase. <i>Physical Review B</i> , 2002, 66, .	1.1	15
78	Scattering of surface electrons from CuO stripes on Cu(110). <i>Surface Science</i> , 2008, 602, L1-L4.	0.8	15
79	Revealing the buried interface: para-sexiphenyl thin films grown on TiO <sub>2</sub> (110). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3141.	1.3	15
80	Adsorption of hydrogen on Pt(100) at low temperatures. <i>Surface Science</i> , 1995, 336, 362-370.	0.8	14
81	How to use oxygen and atomic hydrogen to prepare atomically flat fcc Co(110) films. <i>Europhysics Letters</i> , 1999, 46, 589-594.	0.7	14
82	Effect of the diffusion anisotropy on the nucleation and growth of xenon on Cu(110). <i>Surface Science</i> , 2000, 446, L113-L119.	0.8	14
83	The influence of weak adsorbate-adsorbate interactions on desorption. <i>Chemical Physics Letters</i> , 2003, 369, 275-280.	1.2	14
84	Layer inversion in organic heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13382.	1.3	14
85	Optical referencing in differential reflectance spectroscopy. <i>Measurement Science and Technology</i> , 2014, 25, 115603.	1.4	14
86	Anharmonic linewidth broadening of surface phonons. <i>Chemical Physics Letters</i> , 1990, 167, 362-366.	1.2	13
87	Critical analysis of the possible experimental evidence for an on-top adsorption site for xenon on Pt(111). <i>Physical Review B</i> , 1992, 46, 8806-8810.	1.1	13
88	Structure of Xe adsorbed on the highly corrugated Cu(110) $\hat{\sim}$ (2 $\hat{\text{A}}$ -1)O surface. <i>Physical Review B</i> , 1998, 57, 13149-13157.	1.1	13
89	Kinetic Monte Carlo investigation of Xe adsorption and desorption on Pt(111) and Pt(997). <i>Physical Review B</i> , 2002, 65, .	1.1	13
90	Strain Oscillations Probed with Light. <i>Physical Review Letters</i> , 2006, 96, 016105.	2.9	13

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91	Stranski-Krastanov growth of para-sexiphenyl on Cu(110) $\hat{=}$ (2 $\hat{=}$ 1)O revealed by optical spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14706.	1.3	13
92	Standing and flat lying $\hat{=}$ 6T molecules probed by imaging photoelectron spectroscopy. <i>Organic Electronics</i> , 2011, 12, 442-446.	1.4	13
93	Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24174-24181.	1.5	13
94	Reflectance difference spectroscopy $\hat{=}$ a powerful tool to study adsorption and growth. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1005-1010.	1.1	12
95	Growth of pentacene on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \hat{=}$ $\langle \text{mml:mi} \hat{=}$ $\langle \text{mml:mtext} \hat{=}$ $\langle \text{mml:msub} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="bold"} \rangle \text{Al} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="bold"} \rangle \text{O} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:math} \rangle (0001) \text{ studied by } \langle \text{in situ} \rangle \text{ optical spectroscopy. } \langle \text{Physical Review Materials} \rangle, 2017, 1, .$	0.9	12
96	On the formation of Ar-Kr two-dimensional mixtures. <i>Surface Science</i> , 1993, 297, L141-L147.	0.8	11
97	Mixtures of Kr and Xe physisorbed on Pt(111): a prototype of a stochastic two-dimensional alloy. <i>Surface Science</i> , 1993, 285, L461-L467.	0.8	11
98	Growth of cobalt on the nanostructured Cu $\hat{=}$ CuO() surface. <i>Surface Science</i> , 2002, 512, 185-193.	0.8	11
99	Thermodynamics and structure of hydrogen, methane, argon, oxygen and carbon dioxide adsorbed on single wall carbon nanotube bundles. <i>Physica B: Condensed Matter</i> , 2004, 350, E423-E426.	1.3	11
100	Characterization of optical anisotropy in oriented poly(ethylene terephthalate) films using reflectance difference spectroscopy. <i>Polymer</i> , 2006, 47, 4768-4772.	1.8	11
101	Optical and mechanical anisotropies of oriented poly(ethylene terephthalate) films. <i>Applied Physics Letters</i> , 2006, 89, 051906.	1.5	11
102	Optical and structural properties of the pentacene/quartz (0001) interface. <i>Physical Review B</i> , 2016, 93, .	1.1	11
103	Molecular Reorientation during the Initial Growth of Perfluoropentacene on Ag(110). <i>Journal of Physical Chemistry C</i> , 2018, 122, 12704-12711.	1.5	11
104	Structure and dynamics of rare-gas layers on pt(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1987, 44, 215-228.	0.8	10
105	On the origin of spurious peaks in pseudorandom time $\hat{=}$ of $\hat{=}$ flight analysis. <i>Review of Scientific Instruments</i> , 1993, 64, 1520-1523.	0.6	10
106	Resonant states of helium atoms scattered from the Pt(110) $\hat{=}$ (1 $\hat{=}$ 2) surface. <i>Journal of Chemical Physics</i> , 1995, 103, 8705-8712.	1.2	10
107	Probing organic nanostructures by photoelectron-emission microscopy. <i>Applied Surface Science</i> , 2013, 267, 26-29.	3.1	10
108	Reflectance anisotropy spectroscopy as a tool for mechanical characterization of metallic thin films. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 415303.	1.3	10

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109	Tuning the plasmonic behavior of metallic nanowires. <i>Materials Letters</i> , 2016, 165, 181-184.	1.3	10
110	Are the time resolutions for the conventional and the pseudorandom methods for time-of-flight analysis different?. <i>Review of Scientific Instruments</i> , 1987, 58, 2138-2140.	0.6	9
111	Probing surfaces with thermal energy atoms: proposal for a novel triple-axis He-surface spectrometer. <i>Surface Science</i> , 1992, 272, 118-129.	0.8	9
112	Morphology of fcc Co(110) films on Cu(110). <i>Surface Science</i> , 2000, 454-456, 741-745.	0.8	9
113	The influence of long-range lateral interactions on the thermodynamics and kinetics of thermal desorption. <i>Chemical Physics Letters</i> , 2003, 379, 568-573.	1.2	9
114	Tunable Ag Nanowires Grown on Cu(110)-Based Templates. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1026-1029.	2.1	9
115	Water adsorbate influence on the Cu(110) surface optical response. <i>Surface Science</i> , 2015, 641, 231-236.	0.8	9
116	Search for a Fluid Phase in Films of Molecular Hydrogen Isotopes Adsorbed on MgO. <i>NATO ASI Series Series B: Physics</i> , 1991, , 477-488.	0.2	9
117	Structures of physisorbed monolayers on an anisotropic substrate: Xe and N <sub>2</sub> on Cu(110). <i>Surface Science</i> , 1995, 331-333, 1038-1042.	0.8	8
118	He scattering from random adsorbates, disordered compact islands, and fractal submonolayers: Intensity manifestations of surface disorder. <i>Journal of Chemical Physics</i> , 1997, 106, 4228-4242.	1.2	8
119	Structure of monolayer films of hydrogen isotope mixtures. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 159-163.	1.3	8
120	Isotopic Ordering in Adsorbed Hydrogen Single Layers. <i>Journal of Low Temperature Physics</i> , 1998, 111, 555-560.	0.6	8
121	Structure of N <sub>2</sub> adlayers on the highly corrugated Cu(110)-(2 $\times$ 1)O surface. <i>Surface Science</i> , 1999, 423, 175-188.	0.8	8
122	Extremely sharp spin reorientation transition in ultrathin Ni films grown on Cu. <i>Physical Review B</i> , 2009, 79, .	1.1	8
123	Growth and optical properties of Ag clusters deposited on poly(ethylene terephthalate). <i>Nanotechnology</i> , 2011, 22, 275710.	1.3	8
124	Polarization-dependent differential reflectance spectroscopy for real-time monitoring of organic thin film growth. <i>Review of Scientific Instruments</i> , 2015, 86, 113108.	0.6	8
125	The growth of 1,6-hexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. <i>Ultramicroscopy</i> , 2015, 159, 464-469.	0.8	8
126	He scattering from substitutionally disordered mixed monolayers: Experimental and theoretical studies of Xe+Kr on Pt(111). <i>Journal of Chemical Physics</i> , 1993, 99, 8280-8289.	1.2	7



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127	Novel Monte Carlo scheme for the simulation of adsorption and desorption processes. Chemical Physics Letters, 2001, 336, 123-128.	1.2	7
128	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
129	Rotational excitations of methane molecules in carbon nanotubes. Physica B: Condensed Matter, 2001, 301, 292-294.	1.3	6
130	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
131	Oxygen chemisorption on Cu(111) studied by spot profile analysis low-energy electron diffraction. Physical Review B, 2007, 76, .	1.1	6
132	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
133	Ag induced restructuring of the oxygen precovered Cu(110) surface. Surface Science, 2009, 603, 3410-3413.	0.8	6
134	In-situ characterization of metal clusters supported on birefringent substrate using reflectance difference spectroscopy. Applied Physics A: Materials Science and Processing, 2010, 98, 499-507.	1.1	6
135	Pentacene/Cu(110) interface formation monitored by in situ optical spectroscopy. Physical Review B, 2014, 89, .	1.1	6
136	Interplay between Morphology and Electronic Structure in $\beta$ -Sexithiophene Films on Au(111). Journal of Physical Chemistry C, 2019, 123, 7931-7939.	1.5	6
137	Structure determination of disordered metallic sub-monolayers by helium scattering: a theoretical and experimental study. Surface Science, 1998, 410, L721-L726.	0.8	5
138	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
139	Oxygen-induced restructuring of Cu(111) studied by scanning tunneling microscopy. Physical Review B, 2008, 78, .	1.1	5
140	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
141	Spectroscopic STM studies of single pentacene molecules on Cu(110). Physical Review B, 2016, 94, .		
142	Growth of Dihydro-tetraazapentacene Layers on Cu(110). Journal of Physical Chemistry C, 2018, 122, 10828-10834.	1.5	5
143	Standard deviation of microscopy images used as indicator for growth stages. Ultramicroscopy, 2022, 233, 113427.	0.8	5
144	Attenuation of Photoelectron Emission by a Single Organic Layer. ACS Applied Materials & Interfaces, 2022, 14, 23983-23989.	4.0	5

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145	Adsorption and structure of CF <sub>4</sub> on Cu(110). Surface Science, 1996, 352-354, 274-279.	0.8	4
146	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
147	Ion and neutral scattering spectra in LEIS. Nuclear Instruments & Methods in Physics Research B, 2005, 232, 266-271.	0.6	4
148	Separation of coherent and incoherent contributions to reflectance difference spectra. Applied Physics Letters, 2007, 90, 231903.	1.5	4
149	Effects of laser irradiation on the morphology of Cu(110). Physical Review B, 2008, 78, .	1.1	4
150	Optical characterization of thin nickel films on polymer substrates using reflectance difference spectroscopy. Journal of Applied Physics, 2009, 105, 123503.	1.1	4
151	Initial stage of crystalline rubrene thin film growth on mica (001). Synthetic Metals, 2011, 161, 271-274.	2.1	4
152	Monitoring preparation and phase transitions of carburized W(110) by reflectance difference spectroscopy. Applied Surface Science, 2012, 258, 10123-10127.	3.1	4
153	Optical probe for surface and subsurface defects induced by ion bombardment. Physica Status Solidi - Rapid Research Letters, 2013, 7, 301-304.	1.2	4
154	Reflectance difference spectroscopy of water on Cu(110). Surface Science, 2014, 627, 16-22.	0.8	4
155	Growth of tetraphenyl-porphyrin thin films on Ag(111). Synthetic Metals, 2017, 228, 64-69.	2.1	4
156	Perfluoropentacene adsorption on Cu(110). Physical Review B, 2017, 96, .	1.1	4
157	Noble gases on metals and semiconductors. , 0, , 67-74.		4
158	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
159	Reflectance difference spectroscopy study of Ag growth on W(110). Surface Science, 2006, 600, L281-L285.	0.8	3
160	Optical characterization of methanol adsorption on the bare and oxygen precovered Cu(110) surface. Surface Science, 2010, 604, 824-828.	0.8	3
161	Spectroscopic Ellipsometry on Metallic Gratings. , 2013, , 257-311.		3
162	On the microscopic structure of a nominal Ag(441) surface. Surface Science, 2017, 661, 77-82.	0.8	3

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163	Magnetic switching in Ni/Cu(110)-(2 $\times$ 1)O induced by CoPc. Journal of Applied Physics, 2019, 125, 142902.	0.2	3
164	Surface melting of thin films of methane. Vacuum, 1990, 41, 404-405.	1.6	2
165	Structure of mixed H <sub>2</sub> <sup>+</sup> D <sub>2</sub> adsorbed single layers. European Physical Journal D, 1996, 46, 447-448.	0.4	2
166	Structure and phase transitions of D <sub>2</sub> + Ar mixtures adsorbed on graphite. Surface Science, 1997, 377-379, 504-508.	0.8	2
167	Ordering of nitrogen molecules on the nanostructured Cu(110)/Cu(110) $\sqrt{2}\times\sqrt{2}$ stripe phase. Surface Science, 2001, 482-485, 1379-1384.	0.8	2
168	Reply to "Comment on "Effect of the structural anisotropy and lateral strain on the surface phonons of monolayer xenon on Cu(110)"". Physical Review B, 2001, 64, .	1.1	2
169	A simple method to prepare self-assembled organic-organic heterobilayers on metal substrates. AIP Advances, 2011, 1, 022112.	0.6	2
170	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
171	Role of step edges on the structure formation of $\pm$ 6T on Ag(441). Surface Science, 2018, 667, 17-24.	0.8	2
172	In situ electromagnet with active cooling for real-time magneto-optic Kerr effect spectroscopy. Review of Scientific Instruments, 2021, 92, 025105.	0.6	2
173	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
174	High-order commensurate structures of CF <sub>4</sub> on Cu(110) from interaction potential calculations. Journal of Chemical Physics, 1997, 107, 653-660.	1.2	1
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