

D Phil Woodruff

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1697083/publications.pdf>

Version: 2024-02-01

536
papers

16,902
citations

16437

64
h-index

38368

95
g-index

562
all docs

562
docs citations

562
times ranked

6207
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorbate structure determination on surfaces using photoelectron diffraction. Reports on Progress in Physics, 1994, 57, 1029-1080.	8.1	324
2	Leed structure analysis of the Ni{100} (2 Å ⁻²)C (p4g) structure; A case of adsorbate-induced substrate distortion. Surface Science, 1979, 87, 357-374.	0.8	287
3	True Nature of an Archetypal Self-Assembly System: Mobile Au-Thiolate Species on Au(111). Physical Review Letters, 2006, 97, 166102.	2.9	239
4	Quantum well structures in thin metal films: simple model physics in reality?. Reports on Progress in Physics, 2002, 65, 99-141.	8.1	215
5	Dipole coupling and chemical shifts in IRAS of CO adsorbed on Cu(110). Surface Science, 1982, 123, 397-412.	0.8	209
6	An iras study of formic acid and surface formate adsorbed on Cu(110). Surface Science, 1983, 133, 589-604.	0.8	204
7	The structure of the formate species on copper surfaces: new photoelectron diffraction results and sexafs data reassessed. Surface Science, 1988, 201, 228-244.	0.8	178
8	Surface structure determination using x-ray standing waves. Reports on Progress in Physics, 2005, 68, 743-798.	8.1	178
9	Atop adsorption site of sulphur head groups in gold-thiolate self-assembled monolayers. Chemical Physics Letters, 2004, 389, 87-91.	1.2	175
10	Simple x-ray standing-wave technique and its application to the investigation of the Cu(111) ($\hat{\epsilon}^3 \hat{\epsilon}^3$) Tj ETQq0 0.0 rgBT / Overlock 10	2.9	163
11	Adsorbate structure determination using photoelectron diffraction: Methods and applications. Surface Science Reports, 2007, 62, 1-38.	3.8	157
12	A medium energy ion scattering study of the structure of Sb overlayers on Cu(111). Surface Science, 1999, 426, 358-372.	0.8	154
13	A simple X-ray standing wave technique for surface structure determination - theory and an application. Surface Science, 1988, 195, 237-254.	0.8	152
14	A photoelectron diffraction study of ordered structures in the chemisorption system Pd{111}-CO. Surface Science, 1998, 406, 90-102.	0.8	144
15	Determination of the local structure of glycine adsorbed on Cu(110). Surface Science, 1998, 397, 258-269.	0.8	142
16	Normal incidence X-ray standing wave determination of adsorbate structures. Progress in Surface Science, 1998, 57, 1-60.	3.8	135
17	Structure Determination of the Formate Intermediate on Cu(110) by Use of X-Ray-Absorption Fine-Structure Measurements. Physical Review Letters, 1985, 54, 2250-2252.	2.9	127
18	Diffraction of Photoelectrons Emitted from Core Levels of Te and Na Atoms Adsorbed on Ni(001). Physical Review Letters, 1978, 41, 1130-1133.	2.9	125

#	ARTICLE	IF	CITATIONS
19	The interface structure of n-alkylthiolate self-assembled monolayers on coinage metal surfaces. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 7211.	1.3	122
20	Inverse photoemission from metal surfaces. <i>Progress in Surface Science</i> , 1986, 21, 295-370.	3.8	110
21	Structural study of alkali/simple metal adsorption: Rb and Na on Al(111). <i>Physical Review Letters</i> , 1992, 68, 3204-3207.	2.9	110
22	Adsorption Bond Length for H ₂ O on TiO ₂ (110): A Key Parameter for Theoretical Understanding. <i>Physical Review Letters</i> , 2005, 95, 226104.	2.9	110
23	Structure determination of Ni(111)c(4 Å ⁻²)-CO and its implications for the interpretation of vibrational spectroscopic data. <i>Surface Science</i> , 1994, 311, 337-348.	0.8	105
24	Determination of the adsorption structure for formate on Cu(110) using SEXAFS and NEXAFS. <i>Surface Science</i> , 1986, 171, 1-12.	0.8	102
25	Missing spots in low energy electron diffraction. <i>Surface Science</i> , 1973, 36, 488-493.	0.8	101
26	Chemical shift photoelectron diffraction from molecular adsorbates. <i>Physical Review Letters</i> , 1992, 69, 3196-3199.	2.9	100
27	Following Local Adsorption Sites through a Surface Chemical Reaction: CH ₃ SH on Cu(111). <i>Physical Review Letters</i> , 2000, 84, 119-122.	2.9	100
28	Angular dependence of auger electron emission from Cu (111) and (100) surfaces. <i>Surface Science</i> , 1975, 51, 249-269.	0.8	99
29	Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111). <i>Surface Science</i> , 1987, 188, 1-14.	0.8	97
30	Structure determination of ammonia on Cu(110) at a low-symmetry adsorption site. <i>Surface Science</i> , 1997, 387, 152-159.	0.8	95
31	An X-ray absorption and photoelectron diffraction study of the Cu{100} c(2 Å ⁻²) CO structure. <i>Surface Science</i> , 1986, 166, 221-233.	0.8	93
32	The structure of oxygen adsorption phases on Cu(100). <i>Surface Science</i> , 1990, 236, 1-14.	0.8	91
33	Nitric Oxide Decomposition on Small Rhodium Clusters, Rh _n ^{+/-} . <i>Journal of Physical Chemistry A</i> , 2006, 110, 10992-11000.	1.1	91
34	A photoelectron diffraction and nexafs study of the structure of the methoxy species (CH ₃ O ⁻) on Cu{100}. <i>Surface Science</i> , 1988, 203, 333-352.	0.8	90
35	A photoelectron diffraction study of the structure of PF ₃ adsorbed on Ni{in111}. <i>Chemical Physics Letters</i> , 1992, 199, 625-630.	1.2	90
36	Single local site structure for vibrationally distinct adsorption states: NO on Ni(111). <i>Chemical Physics Letters</i> , 1992, 192, 259-264.	1.2	90

#	ARTICLE	IF	CITATIONS
37	Reactions of nitric oxide on Rh ₆ ⁺ clusters: abundant chemistry and evidence of structural isomers. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 975.	1.3	89
38	The geometric structure of the surface methoxy species on Cu(111). <i>Surface Science</i> , 1994, 304, 74-84.	0.8	88
39	k-resolved inverse photoelectron spectroscopy and its application to Cu(001), Ni(001), and Ni(110). <i>Physical Review B</i> , 1982, 26, 2943-2955.	1.1	85
40	Direct identification of atomic and molecular adsorption sites using photoelectron diffraction. <i>Nature</i> , 1994, 368, 131-132.	13.7	85
41	Structural investigation of glycine on Cu(100) and comparison to glycine on Cu(110). <i>Journal of Chemical Physics</i> , 2003, 118, 6059-6071.	1.2	84
42	X-ray photoelectron diffraction determination of the molecular orientation of CO and methoxy adsorbed on Cu(110). <i>Surface Science</i> , 1986, 173, 176-193.	0.8	83
43	Local structure determination of a chiral adsorbate: Alanine on Cu(110). <i>Surface Science</i> , 2005, 590, 76-87.	0.8	83
44	A spectroscopic study of the chemistry and reactivity of SO ₂ on Pt{111}: reactions with O ₂ , CO and C ₃ H ₆ . <i>Surface Science</i> , 1997, 372, 279-288.	0.8	81
45	Structure Determination of Formic Acid Reaction Products on TiO ₂ (110). <i>Journal of Physical Chemistry B</i> , 2004, 108, 14316-14323.	1.2	81
46	Is the frequency of the internal mode of an adsorbed diatomic molecule a reliable guide to its local adsorption site?. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993, 64-65, 75-83.	0.8	80
47	The local adsorption structure of acetylene on Cu(III). <i>Surface Science</i> , 1993, 291, 295-308.	0.8	80
48	Temperature dependent peaks in secondary electron emission spectra. <i>Surface Science</i> , 1973, 40, 669-682.	0.8	79
49	Neutralisation effects in low energy ion scattering. <i>Nuclear Instruments & Methods in Physics Research</i> , 1982, 194, 639-647.	0.9	77
50	The structure of oxygen on Cu(100) at low and high coverages. <i>Surface Science</i> , 2001, 470, 311-324.	0.8	75
51	Empty surface states, image states, and band edge on Au(111). <i>Physical Review B</i> , 1986, 34, 764-767.	1.1	74
52	A photoelectron diffraction study of the Ni(100)(2 Å ⁻²)-C(p4g) and Ni(100)(2 Å ⁻²)-N(p4g) structures. <i>Surface Science</i> , 1991, 253, 107-115.	0.8	74
53	Structural determination of a molecular adsorbate by photoelectron diffraction: Ammonia on Ni{111}. <i>Physical Review B</i> , 1992, 46, 4836-4843.	1.1	74
54	Characterisation of the interaction of glycine with Cu(100) and Cu(111). <i>Surface Science</i> , 2003, 531, 304-318.	0.8	74

#	ARTICLE	IF	CITATIONS
55	Elastic and neutralisation effects in structural studies of oxygen and carbon adsorption on Ni {100} surfaces studied by low energy ion scattering. <i>Surface Science</i> , 1981, 105, 438-458.	0.8	73
56	The structure and bonding of furan on Pd(111). <i>Surface Science</i> , 2010, 604, 920-925.	0.8	72
57	The structure of mercaptide on Cu(111): a case of molecular adsorbate-induced substrate reconstruction. <i>Surface Science</i> , 1989, 215, 566-576.	0.8	71
58	Can glycine form homochiral structural domains on low-index copper surfaces?. <i>Surface Science</i> , 2003, 522, L9-L14.	0.8	71
59	Leed structural study of the adsorption of oxygen on Cu {100} surfaces. <i>Surface Science</i> , 1980, 95, 555-570.	0.8	70
60	Investigation of the Cu(111) ($\sqrt{3} \times \sqrt{3}$)R30°-Cl structure using sexafs and photoelectron diffraction. <i>Surface Science</i> , 1987, 182, 213-230.	0.8	69
61	Adsorbate-induced reconstruction of surfaces: An atomistic alternative to microscopic faceting?. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 6067-6094.	0.7	69
62	Unoccupied surface resonance on Cu(100) and the effect of vacuum-level pinning. <i>Physical Review B</i> , 1985, 31, 4046-4048.	1.1	68
63	Scanning tunnelling microscopy study of the interaction of dimethyl disulphide with Cu(111). <i>Surface Science</i> , 2000, 457, 11-23.	0.8	68
64	Non-dipole effects in photoelectron-monitored X-ray standing wave experiments: characterisation and calibration. <i>Surface Science</i> , 2001, 494, 166-182.	0.8	68
65	Coverage-dependent changes in the adsorption geometry of benzene on Ni{111}. <i>Surface Science</i> , 1996, 348, 89-99.	0.8	66
66	Anisotropy in grain boundary segregation in copper-bismuth alloys. <i>Philosophical Magazine and Journal</i> , 1976, 34, 169-176.	1.8	65
67	Molecular Adsorption Bond Lengths at Metal Oxide Surfaces: Failure of Current Theoretical Methods. <i>Physical Review Letters</i> , 2001, 87, 086101.	2.9	65
68	Direct photoelectron-diffraction method for adsorbate structural determinations. <i>Physical Review B</i> , 1992, 46, 16128-16134.	1.1	63
69	The structure of formate on Cu(100) and Cu(110) surfaces. <i>Surface Science</i> , 1987, 184, 121-136.	0.8	62
70	A photoelectron diffraction study of the structure of the Cu{110}(2 Å ⁻¹)-CO system. <i>Surface Science</i> , 1995, 337, 169-176.	0.8	62
71	Adsorption Structures of 1-Octanethiol on Cu(111) Studied by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2000, 16, 6693-6700.	1.6	62
72	A LEED study of oxygen adsorption on copper (100) and (111) surfaces. <i>Surface Science</i> , 1974, 46, 505-536.	0.8	61

#	ARTICLE	IF	CITATIONS
73	Water does partially dissociate on the perfect TiO ₂ (110) surface: A quantitative structure determination. <i>Physical Review B</i> , 2012, 86, .	1.1	60
74	Electronic structure of the (2 $\sqrt{3}$ ×2 $\sqrt{3}$)C ₁₄ g carbidic phase on Ni{100}. <i>Physical Review B</i> , 1986, 34, 2199-2206.	1.1	59
75	An angle-resolved photoemission study of the reaction of CH ₃ SH and (CH ₃) ₂ S with Cu(111) and Ni(100). <i>Surface Science</i> , 1987, 187, 133-143.	0.8	59
76	Constant momentum transfer averaging in LEED; analysis of a structure of oxygen on Cu (100). <i>Surface Science</i> , 1974, 45, 1-19.	0.8	58
77	How does your crystal grow? A commentary on Burton, Cabrera and Frank (1951) "The growth of crystals and the equilibrium structure of their surfaces". <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140230.	1.6	58
78	Local Methylthiolate Adsorption Geometry on Au(111) from Photoemission Core-Level Shifts. <i>Physical Review Letters</i> , 2009, 102, 126101.	2.9	57
79	k-Resolved Inverse Photoemission from Cu(001) and Ni(001). <i>Physical Review Letters</i> , 1982, 48, 283-285.	2.9	56
80	A SEXAFS and X-ray standing wave study of the surface: Adsorbate-substrate and adsorbate-adsorbate registry. <i>Surface Science</i> , 1990, 230, 13-26.	0.8	56
81	X-ray Studies of Self-Assembled Monolayers on Coinage Metals. 2. Surface Adsorption Structures in 1-Octanethiol on Cu(111) and Ag(111) and Their Determination by the Normal Incidence X-ray Standing Wave Technique. <i>Langmuir</i> , 1999, 15, 8856-8866.	1.6	56
82	Experimental demonstrations of direct adsorbate site identification using photoelectron diffraction. <i>Physical Review Letters</i> , 1993, 71, 2054-2057.	2.9	55
83	Surface adsorption structures in 1-octanethiol self-assembled on Cu(111). <i>Surface Science</i> , 1997, 392, 143-152.	0.8	55
84	Photon- and electron-stimulated desorption from a metal surface. <i>Physical Review B</i> , 1980, 21, 5642-5645.	1.1	54
85	Surface structure determination using X-ray standing waves: a simple view. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 10633-10645.	0.7	54
86	Local adsorption geometry of acetylene on Si(100)(2 $\sqrt{3}$ ×1). <i>Physical Review B</i> , 2000, 61, 16697-16703.	1.1	54
87	Photoelectron diffraction study of i chemisorbed on Ag(111). <i>Surface Science</i> , 1981, 102, 527-541.	0.8	53
88	Sampling depths in total yield and reflectivity SEXAFS studies in the soft X-ray region. <i>Surface Science</i> , 1982, 114, 38-46.	0.8	53
89	Medium-energy ion scattering structural study of the Ni(111)(3 $\sqrt{3}$ ×3)R30° $\sqrt{3}$ surface phase. <i>Physical Review B</i> , 2000, 61, 7706-7715.	1.1	53
90	Infrared-Active Combination Band in a Surface Formate Species. <i>Physical Review Letters</i> , 1983, 51, 475-478.	2.9	52

#	ARTICLE	IF	CITATIONS
91	Valence band photoemission study of the coadsorption of CO and K on Cu{100};. Surface Science, 1984, 138, 31-39.	0.8	52
92	Structure Determination of an Alkali Metalâ€“CO Coadsorption Phase: Ni(111)-K/CO. Physical Review Letters, 1995, 74, 1621-1624.	2.9	52
93	Local Structure ofNH ₂ onSi(100)âˆ“(2Å–1)and its Effect on the Asymmetry of the Si Surface Dimers. Physical Review Letters, 1997, 79, 673-676.	2.9	52
94	Non-dipole photoemission effects in x-ray standing wavefield determination of surface structure. Journal of Physics Condensed Matter, 1998, 10, L623-L629.	0.7	52
95	Electronic structure of silver and copper ultrathin films on V(100): Quantum-well states. Physical Review B, 1996, 54, 11786-11795.	1.1	51
96	Direct quantitative identification of the â€œsurface trans-effectâ€•. Chemical Science, 2016, 7, 5647-5656.	3.7	51
97	Structure determination of the and surface alloy phases by medium-energy ion scattering. Journal of Physics Condensed Matter, 1999, 11, 1889-1901.	0.7	50
98	Adsorbate-induced surface reconstruction and surface-stress changes inCu(100)âˆ“O: Experiment and theory. Physical Review B, 2006, 74, .	1.1	50
99	The surface structure of Si(100) surfaces using averaged LEED. Surface Science, 1977, 64, 131-140.	0.8	49
100	The local geometry of reactant and product in a surface reaction: the dehydrogenation of adsorbed ethylene on Ni(111). Surface Science, 1995, 323, 19-29.	0.8	49
101	A structural study of the interaction of SO ₂ with Cu(111). Surface Science, 2000, 459, 231-244.	0.8	49
102	Inverse photoemission. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1983, 1, 1104-1110.	0.9	48
103	Adsorption site determination for oxygen on Al(111) using normal incidence standing X-ray wavefield absorption. Surface Science, 1992, 271, 45-56.	0.8	48
104	Surface structure from angular dependence of auger electron emission. Surface Science, 1975, 53, 538-545.	0.8	47
105	Three independent LEED studies of clean Si (100) surfaces. Journal of Physics C: Solid State Physics, 1977, 10, 1109-1119.	1.5	47
106	The surface structure of Si(100) surfaces using averaged leed. Surface Science, 1977, 63, 254-262.	0.8	47
107	Anisotropy of initial oxidation kinetics of nickel single crystal surfaces. Surface Science, 1982, 114, 431-444.	0.8	47
108	Determination of the orientation of methoxy on Cu(111) using X-ray photoelectron diffraction. Surface Science, 1992, 273, 381-384.	0.8	47

#	ARTICLE	IF	CITATIONS
109	The structure of sodium adsorption phases on Al(111). Surface Science, 1992, 278, 246-262.	0.8	47
110	Photoelectron and Auger electron diffraction. Surface Science, 1994, 299-300, 183-198.	0.8	47
111	Scanning tunnelling microscopy investigation of the oxygen-induced faceting and "nano-faceting" of a vicinal copper surface. Surface Science, 1997, 376, 374-388.	0.8	47
112	Angular dependence of Auger electron emission from a single crystal specimen. Vacuum, 1972, 22, 477-480.	1.6	46
113	Crystallographic incident beam effects in quantitative Auger electron spectroscopy. Surface Science, 1980, 100, L483-L490.	0.8	46
114	Quantitative Structural Studies Of Corundum and Rocksalt Oxide Surfaces. Chemical Reviews, 2013, 113, 3863-3886.	23.0	46
115	A low energy ion scattering study of the adsorption of oxygen on Cu{100} surfaces. Surface Science, 1981, 105, 459-468.	0.8	45
116	Characterization of thiolate species formation on Cu(111) using soft x-ray photoelectron spectroscopy. Journal of Physics Condensed Matter, 1998, 10, 8661-8670.	0.7	45
117	A photoelectron diffraction study of Cu{110}-(2 \times 1)-O. Surface Science, 1990, 227, 237-245.	0.8	44
118	Structural determination of bilayer graphene on SiC(0001) using synchrotron radiation photoelectron diffraction. Scientific Reports, 2018, 8, 10190.	1.6	44
119	Adsorbate structures from photoelectron diffraction: Holographic reconstruction or real-space triangulation?. Physical Review Letters, 1992, 68, 1543-1546.	2.9	43
120	Structural determination of the (111)-($\sqrt{3}\times\sqrt{3}$) 30° surface using the normal incidence X-ray standing wave method. Surface Science, 1995, 324, 122-132.	0.8	43
121	The kinetics of surface and grain boundary segregation in binary and ternary systems. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1979, 40, 459-476.	0.7	42
122	Nitrogen adsorption structures on Cu(100) and the role of a symmetry-lowering surface reconstruction in the c(2 \times 2)-N phase. Surface Science, 2001, 492, 11-26.	0.8	42
123	A LEED study of the Si{100}(1 \times 1)H surface structure. Surface Science, 1978, 74, 34-46.	0.8	41
124	Time-of-flight measurements with a CMA for simultaneous energy and mass determinations of desorbed ions. Journal of Vacuum Science and Technology, 1980, 17, 1202-1207.	1.9	40
125	Structure determination for coadsorbed molecular fragments using chemical shift photoelectron diffraction. Physical Review Letters, 1993, 71, 581-584.	2.9	40
126	Following the changes in local geometry associated with a surface reaction: the dehydrogenation of adsorbed ethylene. Journal of Physics Condensed Matter, 1994, 6, L93-L98.	0.7	40

#	ARTICLE	IF	CITATIONS
127	Adsorption site and orientation of pyridine on Cu{110} determined by photoelectron diffraction. <i>Journal of Chemical Physics</i> , 1999, 110, 9666-9672.	1.2	40
128	Photoabsorption shape resonance in the adsorption system CO/K/Cu(100): A dilemma. <i>Physical Review B</i> , 1986, 34, 1340-1342.	1.1	39
129	The local adsorption geometry of CH ₃ and NH ₃ on Cu(): a density functional theory study. <i>Surface Science</i> , 2002, 498, 203-211.	0.8	39
130	The adsorption structure of furan on Pd(111). <i>Surface Science</i> , 2008, 602, 2524-2531.	0.8	39
131	Photoelectron diffraction effects in core-level photoemission from Na and Te atoms adsorbed on Ni(001). <i>Physical Review B</i> , 1980, 21, 3119-3130.	1.1	38
132	Photoelectron diffraction study of the local adsorption site in the Cu(110)(2 Å ⁻³)-N structure. <i>Surface Science</i> , 1990, 237, 99-107.	0.8	38
133	Atomic Quadrupolar Photoemission Asymmetry Parameters from a Solid State Measurement. <i>Physical Review Letters</i> , 2000, 84, 2346-2349.	2.9	38
134	The Structure of Atomic Sulfur Phases on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 10904-10914.	1.5	38
135	Quantitative determination of the local structure of thymine on Cu(110) using scanned-energy mode photoelectron diffraction. <i>Surface Science</i> , 2007, 601, 3611-3622.	0.8	38
136	Surface structural information from photoelectron diffraction. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 178-179, 186-194.	0.8	38
137	Oscillatory electron-phonon coupling in ultra-thin silver films on V(100). <i>Journal of Physics Condensed Matter</i> , 2000, 12, L477-L482.	0.7	37
138	Fine structure in ionisation cross sections and applications to surface science. <i>Reports on Progress in Physics</i> , 1986, 49, 683-723.	8.1	36
139	Determination of the local adsorption structure of acetylene on Ni(111). <i>Surface Science</i> , 1994, 307-309, 722-727.	0.8	36
140	Time reversal symmetry in low energy electron diffraction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1970, 31, 207-208.	0.9	35
141	The electronic structure of graphitic overlayers on Ni{100}. <i>Surface Science</i> , 1986, 171, L447-L453.	0.8	35
142	Analysis of photoelectron diffraction spectra using single scattering simulations. <i>Surface Science</i> , 1986, 166, 377-390.	0.8	35
143	Nexafs determination of CO orientation on a stepped platinum surface. <i>Surface Science</i> , 1987, 183, 576-590.	0.8	35
144	Low energy ion scattering study of the Cu(110)(2 Å ⁻³)-N structure. <i>Surface Science</i> , 1990, 237, 108-115.	0.8	35

#	ARTICLE	IF	CITATIONS
145	Structure determination of Ag(111)(3Å-3)R30°Sb by low-energy electron diffraction. <i>Physical Review B</i> , 2000, 61, 13983-13987.	1.1	35
146	Solved and unsolved problems in surface structure determination. <i>Surface Science</i> , 2002, 500, 147-171.	0.8	35
147	Density functional theory investigation of the structure of SO ₂ and SO ₃ on Cu(111) and Ni(111). <i>Surface Science</i> , 2006, 600, 1827-1836.	0.8	35
148	The temperature dependence of the magnitudes and positions of the peaks in LEED intensity-energy plots. <i>Physica Status Solidi A</i> , 1970, 1, 429-437.	1.7	34
149	Photoemission intensity oscillations from quantum-well states in the Ag/V(100) overlayer system. <i>Physical Review B</i> , 1999, 59, 5170-5177.	1.1	34
150	The dimers stay intact: a quantitative photoelectron study of the adsorption system Si{100} (2x1)-C ₂ H ₄ . <i>New Journal of Physics</i> , 1999, 1, 20-20.	1.2	34
151	Temperature dependence of photoemission from quantum-well states in Ag/V(100): Moving surface-vacuum barrier effects. <i>Physical Review B</i> , 2001, 64, .	1.1	34
152	Surface and sub-surface segregation at the Pt ₂₅ Rh surface: a medium energy ion scattering study. <i>Surface Science</i> , 2002, 497, 1-12.	0.8	34
153	Surface alloys, surface rumpling and surface stress. <i>Surface Science</i> , 2004, 572, 309-317.	0.8	34
154	Quantitative determination of the local structure of H ₂ O on TiO ₂ (110) using scanned-energy mode photoelectron diffraction. <i>Surface Science</i> , 2006, 600, 1487-1496.	0.8	34
155	Adsorption structure of glycine on TiO ₂ (1 1 0): A photoelectron diffraction determination. <i>Surface Science</i> , 2009, 603, 2305-2311.	0.8	34
156	Angular dependence of auger electron emission from solid surfaces. <i>Solid State Communications</i> , 1972, 11, 991-993.	0.9	33
157	The adsorption of I ₂ on Ni{100} studied by AES, LEED and thermal desorption. <i>Vacuum</i> , 1981, 31, 411-415.	1.6	33
158	Nitrogen-induced pseudo-(100) reconstruction of the Cu(111) surface identified by STM. <i>Surface Science</i> , 1999, 442, 1-8.	0.8	33
159	The coverage dependence of the local structure of C on Ni(100): a structural precursor to adsorbate-induced reconstruction. <i>Surface Science</i> , 2000, 446, 301-313.	0.8	33
160	Re-evaluating how charge transfer modifies the conformation of adsorbed molecules. <i>Nanoscale</i> , 2018, 10, 14984-14992.	2.8	33
161	The formation of a surface iodide on Ni{100} and adsorption of I ₂ at low temperatures. <i>Surface Science</i> , 1983, 127, 424-440.	0.8	32
162	Ethene adsorbed on Cu(110): a combined photoemission and photoelectron diffraction study. <i>Surface Science</i> , 1995, 343, 201-210.	0.8	32

#	ARTICLE	IF	CITATIONS
163	The local adsorption geometry of benzene on Ni(110) at low coverage. <i>Surface Science</i> , 2000, 448, 23-32.	0.8	32
164	Angle-resolved polarised light photoemission study of the formation and structure of acetate on Cu(110). <i>Surface Science</i> , 1988, 203, 89-100.	0.8	31
165	The effect of anisotropic molecular vibrations in photoelectron diffraction of adsorbed species. <i>Surface Science</i> , 1992, 269-270, 35-40.	0.8	31
166	Structural investigation of ordered Sb adsorption phases on Ag(111) using coaxial impact collision ion scattering spectroscopy. <i>Surface Science</i> , 1997, 372, 117-131.	0.8	31
167	Structure Investigation of Ag(111) ($\sqrt{7} \times \sqrt{7}$) $R19^\circ$ -SCH ₃ by X-ray Standing Waves: A Case of Thiol-Induced Substrate Reconstruction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2164-2170.	1.2	31
168	Plasmon loss structure in synchrotron radiation photoemission from Mg films. <i>Surface Science</i> , 1979, 79, 76-92.	0.8	30
169	Precise molecular orientation determination for adsorbates using x-ray photoelectron diffraction: Methoxy (CH ₃ O) and CO on Cu(110). <i>Physical Review B</i> , 1985, 32, 4249-4251.	1.1	30
170	Normal Versus Anomalous Formate-Copper Surface Bonding and the Application of X-Ray-Absorption Fine-Structure Studies to Molecular Adsorption. <i>Physical Review Letters</i> , 1986, 57, 2598-2598.	2.9	30
171	A mercaptide intermediate on Cu(111). <i>Surface Science</i> , 1987, 189-190, 529-534.	0.8	30
172	Quantitative structure determination of an NH _x species adsorbed on Cu(110). <i>Surface Science</i> , 1996, 352-354, 232-237.	0.8	30
173	The structure of sulphur adsorption phases on Ni(111) studied by X-ray standing wavefield absorption. <i>Surface Science</i> , 1996, 366, 260-274.	0.8	30
174	CN coordination in the adsorption system Ni(110) ($\sqrt{2} \times \sqrt{2}$) $R45^\circ$ -CN: an unexpected geometry. <i>Surface Science</i> , 1998, 416, 448-459.	0.8	30
175	Structure determination of the ($\sqrt{3} \times \sqrt{3}$) $R30^\circ$ boron phase on the Si(111) surface using photoelectron diffraction. <i>Physical Review B</i> , 1999, 59, 13014-13019.	1.1	30
176	Sb-induced surface stacking faults at Ag(111) and Cu(111) surfaces: density-functional theory results. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 7699-7704.	0.7	30
177	A new pseudo-(100) sulphur-induced reconstruction of Cu(111) observed by scanning tunnelling microscopy. <i>Surface Science</i> , 2001, 479, 1-10.	0.8	30
178	Methanethiolate structural phases on Cu(100) and Cu(410). <i>Surface Science</i> , 2001, 488, 207-218.	0.8	30
179	Quantitative structural determination of the high coverage phase of the benzoate species on Cu(110). <i>Surface Science</i> , 2001, 492, 285-293.	0.8	30
180	Circular Dichroism in Core Level Photoemission from an Adsorbed Chiral Molecule. <i>Physical Review Letters</i> , 2004, 92, 236103.	2.9	30

#	ARTICLE	IF	CITATIONS
181	The structure of the Au(111)/methylthiolate interface: New insights from near-edge x-ray absorption spectroscopy and x-ray standing waves. <i>Journal of Chemical Physics</i> , 2009, 130, 124708.	1.2	30
182	Plasmon effects in electron energy loss and gain spectra in aluminium. <i>Surface Science</i> , 1972, 33, 437-444.	0.8	29
183	Hydrogen-induced reconstruction: Analysis of the Ni{110}(1 Å ⁻²)-H structure. <i>Surface Science</i> , 1984, 147, 1-14.	0.8	29
184	Photoelectron diffraction investigation of the adsorption site and local structure for potassium on Ni(111). <i>Surface Science</i> , 1994, 307-309, 632-638.	0.8	29
185	The structure of NO on Ni(111) at low coverage. <i>Surface Science</i> , 1998, 405, L566-L572.	0.8	29
186	Structure Determination of Ammonia on Cu(111). <i>Journal of Physical Chemistry B</i> , 2000, 104, 3044-3049.	1.2	29
187	Local adsorption geometry of acetylene on Si(100)(2 Å ⁻¹): Multiple sites and the role of substrate temperature. <i>Physical Review B</i> , 2002, 66, .	1.1	29
188	Photoelectron diffraction: past, present and future. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 126, 55-65.	0.8	29
189	Structural aspects of the interaction of methyl thiol and dimethyldisulphide with Ni(111). <i>Journal of Physics Condensed Matter</i> , 1995, 7, 7781-7796.	0.7	28
190	The structure of the surface phase: a new normal-incidence X-ray standing wave study. <i>Surface Science</i> , 2000, 453, 183-190.	0.8	28
191	Structure determination of propyne and 3,3,3-trifluoropropyne on Cu(111). <i>Journal of Chemical Physics</i> , 2000, 112, 7591-7599.	1.2	28
192	Structure determination of surface adsorption and surface alloy phases using medium energy ion scattering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 183, 128-139.	0.6	28
193	Tensor LEED analysis of the Ni(111)(3 Å ⁻³)R30°Pb surface. <i>Physical Review B</i> , 2002, 65, .	1.1	28
194	The local adsorption geometry of CO and NH ₃ on NiO(100) determined by scanned-energy mode photoelectron diffraction. <i>Surface Science</i> , 2002, 499, 1-14.	0.8	28
195	Some structural issues in surface alloys and alloy surfaces: rumpling, stacking faults and disorder. <i>Applied Surface Science</i> , 2003, 219, 1-10.	3.1	28
196	Scanning Tunneling Microscopy Investigation of the Structure of Methanethiolate on Ag(111). <i>Langmuir</i> , 2005, 21, 7285-7291.	1.6	28
197	Medium-energy ion-scattering study of the structure of clean TiO ₂ (110)(1 Å ⁻¹). <i>Physical Review B</i> , 2006, 73, .	1.1	28
198	The role of reconstruction in self-assembly of alkylthiolate monolayers on coinage metal surfaces. <i>Applied Surface Science</i> , 2007, 254, 76-81.	3.1	28

#	ARTICLE	IF	CITATIONS
199	V2O3(0001)Surface Termination: Phase Equilibrium. Physical Review Letters, 2011, 107, 016105.	2.9	28
200	A pre-melting phenomenon in sodium-potassium alloys. Philosophical Magazine and Journal, 1967, 15, 985-993.	1.8	27
201	Photon and electron stimulated desorption of adsorbates from W {100}. Surface Science, 1981, 104, 282-299.	0.8	27
202	Charge exchange processes in Li+ and He+ ion scattering from alkali adsorbates on Cu(110). Surface Science, 1991, 244, 247-258.	0.8	27
203	Local structure determination for low-coverage CO on Ni(111). Journal of Physics Condensed Matter, 1996, 8, 1367-1379.	0.7	27
204	Photoelectron diffraction study of a catalytically active overlayer: C2H2 on Pd{111}. Surface Science, 1998, 400, 166-175.	0.8	27
205	Photoelectron diffraction structure determination of Cu(100)c(2 $\sqrt{2}$)-N. Surface Science, 2001, 492, 1-10.	0.8	27
206	Molecular orbital tomography for adsorbed molecules: is a correct description of the final state really unimportant?. New Journal of Physics, 2015, 17, 013033.	1.2	27
207	LEED averaging study of adsorption structures involving substrate reconstruction. Surface Science, 1980, 91, 400-408.	0.8	26
208	Trajectory and collision related neutralisation in low energy He+ ion scattering. Surface Science, 1982, 116, L219-L222.	0.8	26
209	Core level photoemission study of the adsorption of iodine on Ni{100}. Surface Science, 1984, 136, 23-40.	0.8	26
210	Comparative study of angle-resolved valence-band photoemission from half-monolayer structures of C, N, and O on Ni(100). Physical Review B, 1989, 39, 12604-12611.	1.1	26
211	An unusual adsorption site for methoxy on Al(111) surfaces. Journal of Physics Condensed Matter, 1992, 4, 5043-5052.	0.7	26
212	The local adsorption structure of SO2 on Ni(111): a normal incidence X-ray standing wavefield determination. Surface Science, 1997, 389, 223-233.	0.8	26
213	MEIS surface structure determination methodology: Application to Ni (100)c(2 $\sqrt{2}$)-O. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 1125-1130.	0.6	26
214	A structural study of methanethiolate adsorbed on Cu(100). Journal of Physics Condensed Matter, 2000, 12, 2153-2161.	0.7	26
215	Photoelectron diffraction study of the Ag(110)-(2 $\sqrt{2}$)-O reconstruction. Surface Science, 2000, 464, 83-90.	0.8	26
216	Low energy ion scattering study of oxygen adsorption on Ni{100}. Surface Science, 1979, 89, 76-83.	0.8	25

#	ARTICLE	IF	CITATIONS
217	Observation of occupation and dispersion of $2\tilde{\Gamma}^{\prime}$ associated states for CO adsorbed on Cu{100}. Surface Science, 1984, 139, 75-86.	0.8	25
218	Structure determination of Ag(111) by low-energy electron diffraction. Surface Science, 1999, 419, 89-96.	0.8	25
219	Chemical-shift X-ray standing wave studies: coadsorption site determination of PF _x fragments on Ni(111). Surface Science, 1999, 441, 515-528.	0.8	25
220	Structure determination of Cu(O) using X-ray diffraction and DFT calculations. Surface Science, 2002, 516, 16-32.	0.8	25
221	Bond Lengths and Bond Strengths in Weak and Strong Chemisorption: N ₂ , CO, and CO/Hon Nickel Surfaces. Physical Review Letters, 2003, 90, 116104.	2.9	25
222	Face-Dependent Bond Lengths in Molecular Chemisorption: The Formate Species on Cu(111) and Cu(110). Physical Review Letters, 2011, 107, 046102.	2.9	25
223	The stability of a planar interface during the melting of a binary alloy. Philosophical Magazine and Journal, 1968, 17, 283-294.	1.8	24
224	Threshold Auger emission in the photoelectron spectra of nickel. Physical Review B, 1979, 20, 4008-4011.	1.1	24
225	Experimental tests of new direct methods for adsorbate structure determination using photoelectron diffraction. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2045-2050.	0.9	24
226	An integrated approach to adsorbate structure determination using photoelectron diffraction: direct $\tilde{\Gamma}$ imaging and quantitative simulation. Surface Science, 1996, 357-358, 19-27.	0.8	24
227	Molecules on oxide surfaces: a quantitative structural determination of NO adsorbed on NiO(100). Surface Science, 1999, 425, L401-L406.	0.8	24
228	An infrared vibrational spectroscopic study of the interaction of methanol with oxygen-covered Cu(). Surface Science, 2003, 526, 19-32.	0.8	24
229	A SEXAFS study of several surface phases of iodine adsorption on Ni{100}. Surface Science, 1987, 179, 425-441.	0.8	23
230	The growth of thin Ti and TiO _x films on Pt(111): Morphology and oxidation states. Surface Science, 1992, 273, 31-39.	0.8	23
231	Methyl on Cu(111) structural determination including influence of co-adsorbed iodine. Surface Science, 2002, 512, 173-184.	0.8	23
232	LEED structure determination of the Ni($\tilde{\Gamma}$ ³ - $\tilde{\Gamma}$ ³)R30 ^o -Sn surface. Surface Science, 2004, 550, 127-132.	0.8	23
233	Photoelectron diffraction investigation of the structure of the clean TiO ₂ (110)($1\tilde{\Gamma}$ -1) surface. Physical Review B, 2007, 75, .	1.1	23
234	A photoelectron diffraction investigation of vanadyl phthalocyanine on Au(111). Surface Science, 2010, 604, 47-53.	0.8	23

#	ARTICLE	IF	CITATIONS
253	Cu(100)c(2Å—2)-N: a new type of adsorbate-induced surface reconstruction. Journal of Physics Condensed Matter, 2001, 13, L601-L606.	0.7	20
254	Structure determination of methanethiolate on unreconstructed Cu() by scanned-energy mode photoelectron diffraction. Surface Science, 2002, 513, 437-452.	0.8	20
255	d-band quantum well states in ultrathin silver films on V(100). Physical Review B, 2003, 68, .	1.1	20
256	The methanethiolate-induced pseudo-(100) reconstruction of Cu(111): A medium energy ion scattering structure study. Surface Science, 2005, 598, 209-217.	0.8	20
257	The local adsorption structure of methylthiolate and butylthiolate on Au(111): A photoemission core-level shift investigation. Surface Science, 2010, 604, 227-234.	0.8	20
258	Structural investigation of Au(111)/butylthiolate adsorption phases. Physical Chemistry Chemical Physics, 2010, 12, 3229.	1.3	20
259	Probing the interplay between geometric and electronic structure in a two-dimensional Kâ€™TCNQ charge transfer network. Faraday Discussions, 2017, 204, 97-110.	1.6	20
260	Direct measurement of Ni incorporation into Fe₃O₄(001). Physical Chemistry Chemical Physics, 2018, 20, 16469-16476.	1.3	20
261	Angular dependence of auger electron emission from Si and Cu(100) surfaces in the presence of overlayers. Surface Science, 1978, 72, 77-83.	0.8	19
262	Initial adsorption kinetics of oxygen and sulphur on copper cylindrical crystal surfaces. Surface Science, 1982, 114, 414-430.	0.8	19
263	Valence band photoemission from the CO-adsorption systems Ni(100)/CO/K and Ni(100)/CO/S. Surface Science, 1987, 187, 481-489.	0.8	19
264	Structure determination for PF3adsorption on Ni(111). Journal of Physics Condensed Matter, 1992, 4, 6509-6522.	0.7	19
265	Local site identification for NO on Ni(111) in vibrationally distinct adsorption states. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2445-2450.	0.9	19
266	A structural study of the Al(111)(square root 3* square root 3)R30 degrees -Rb phase at different temperatures. Journal of Physics Condensed Matter, 1994, 6, 1869-1880.	0.7	19
267	The local adsorption site of methylthiolate on Au(111): Bridge or atop?. Surface Science, 2009, 603, 807-813.	0.8	19
268	The energy dependence of the electron inelastic scattering mean-free-path in gold. Solid State Communications, 1977, 22, 711-713.	0.9	18
269	The potassium-induced reconstruction of Cu{110}: the K atom adsorption site. Surface Science, 1994, 319, L7-L12.	0.8	18
270	Direct methods in photoelectron diffraction; experiences and lessons learnt based on the use of the projection method. Journal of Physics Condensed Matter, 2001, 13, 10625-10645.	0.7	18

#	ARTICLE	IF	CITATIONS
271	Chemical-shift X-ray standing wavefield determination of the local structure of methanethiolate phases on Ni(). Surface Science, 2002, 496, 73-86.	0.8	18
272	A structural study of the interaction of methanethiol with Pt using X-ray standing waves. Surface Science, 2002, 516, 1-15.	0.8	18
273	Structure of Cytosine on Cu(110): a Scanned-Energy Mode Photoelectron Diffraction Study. Journal of Physical Chemistry C, 2010, 114, 15454-15463.	1.5	18
274	Deprotonated Glycine on Cu(111): Quantitative Structure Determination by Energy-Scanned Photoelectron Diffraction. Journal of Physical Chemistry C, 2012, 116, 9985-9995.	1.5	18
275	The surface structure of α -Sn{100} and the effect of hydrogen adsorption. Vacuum, 1983, 33, 633-637.	1.6	17
276	Angular dependence of secondary electron δ -fine structure in Auger electron spectra. Surface Science, 1990, 232, L228-L231.	0.8	17
277	A scanned-energy mode photoelectron diffraction study of the structure of Ni(111)(2 \times 2)-O. Surface Science, 1996, 359, 185-197.	0.8	17
278	Structure determination of using scanned-energy mode photoelectron diffraction. Journal of Physics Condensed Matter, 1997, 9, 8419-8432.	0.7	17
279	A Photoelectron Diffraction Study of the Pd{111}($\sqrt{3} \times \sqrt{3}$)R30 $^\circ$ -CO Chemisorption Phase. Zeitschrift Fur Physikalische Chemie, 1997, 198, 73-85.	1.4	17
280	Photoelectron diffraction study of ultrathin Fe films on Cu{111}. Physical Review B, 1999, 59, 2313-2319.	1.1	17
281	Surface and subsurface oxide formation on Ni(100) and Ni(111). Surface Science, 2004, 565, 1-13.	0.8	17
282	Methoxy Species on Cu(110): Understanding the Local Structure of a Key Catalytic Reaction Intermediate. Physical Review Letters, 2010, 105, 086101.	2.9	17
283	Global search algorithms in surface structure determination using photoelectron diffraction. Surface Science, 2012, 606, 278-284.	0.8	17
284	A scanning Auger electron microscope for surface studies. Journal of Physics E: Scientific Instruments, 1975, 8, 548-552.	0.7	16
285	The local adsorption site for sulphur on Ni {111} in the low coverage lattice gas. Surface Science, 1984, 141, 31-39.	0.8	16
286	A surface EXAFS study of a surface iodide phase on Ni{100}. Surface Science, 1985, 152-153, 443-452.	0.8	16
287	Do oxygen-induced Cu(410) facets reconstruct?. Surface Science, 1993, 285, L503-L509.	0.8	16
288	Comment on δ -Observation of a missing-row structure on an fcc(111) surface: The (5 \times 2)S phase on Ni(111) studied by scanning tunneling microscopy. Physical Review Letters, 1994, 72, 2499-2499.	2.9	16

#	ARTICLE	IF	CITATIONS
289	Local geometrical structure of a Co-adsorption phase on Al(111): atop bonding due to chemical heterogeneity. <i>Surface Science</i> , 1995, 328, L533-L538.	0.8	16
290	Missing rows on oxygen-covered Cu(100) vicinal surfaces: a scanning tunnelling microscopy investigation. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 21-31.	0.7	16
291	Structural determination for H ₂ O adsorption on Si(001)2 Å ⁻¹ using scanned-energy mode photoelectron diffraction. <i>Applied Surface Science</i> , 1998, 123-124, 219-222.	3.1	16
292	A NIXSW structural investigation of the (√3×√3)R30°-Cu ₂ Si surface alloy phase formed by SiH ₄ reaction with Cu(111). <i>Surface Science</i> , 2001, 491, L645-L650.	0.8	16
293	Tensor low energy electron diffraction and medium energy ion scattering determination of the Ni(110)c(2Å ⁻²)-Sn surface structure. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 665-673.	0.7	16
294	Quantitative determination of the local adsorption structure of carbonate on Ag(). <i>Surface Science</i> , 2002, 516, 237-246.	0.8	16
295	The structure and bonding of carbonate on Ag(110): a density-functional theory study. <i>Surface Science</i> , 2004, 556, 193-202.	0.8	16
296	Non-dipole effects in high-energy photoelectron emission; identification and quantification using X-ray standing waves. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 547, 187-195.	0.7	16
297	Structural Investigation of the Interaction of Molecular Sulfur with Ag(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 3152-3162.	1.5	16
298	The structure of the V ₂ O ₃ (0001) surface: A scanned-energy mode photoelectron diffraction study. <i>Surface Science</i> , 2007, 601, 3350-3360.	0.8	16
299	The local adsorption geometry of benzenethiolate on Cu(100). <i>Surface Science</i> , 2008, 602, 2453-2462.	0.8	16
300	Uracil on Cu(110): A quantitative structure determination by energy-scanned photoelectron diffraction. <i>Journal of Chemical Physics</i> , 2011, 135, 014704.	1.2	16
301	The structure of epitaxial V ₂ O ₃ films and their surfaces: A medium energy ion scattering study. <i>Surface Science</i> , 2012, 606, 1716-1727.	0.8	16
302	A test of energy averaging in LEED: The coincidence lattice structure formed by Ag on Cu(111). <i>Surface Science</i> , 1974, 46, 418-426.	0.8	15
303	Synchrotron radiation photoemission studies of the adsorption of oxygen on magnesium and aluminium. <i>Journal of Vacuum Science and Technology</i> , 1978, 15, 1580-1585.	1.9	15
304	Crystallographic effects in low energy ion scattering due to local ion-atom neutralisation. <i>Solid State Communications</i> , 1980, 34, 679-681.	0.9	15
305	Valence band photoemission study of iodine adsorption on Ni{100}. <i>Surface Science</i> , 1985, 152-153, 434-442.	0.8	15
306	Oxygen-induced step-edge faceting; a precursor to (410) planar faceting of Cu(100) vicinal surfaces. <i>Chemical Physics Letters</i> , 1996, 259, 503-507.	1.2	15

#	ARTICLE	IF	CITATIONS
307	An x-ray standing-wave study of adsorption on InP(110). <i>Journal of Physics Condensed Matter</i> , 1996, 8, 15-24.	0.7	15
308	The structure of PF ₃ adsorbed on Cu(111). <i>Surface Science</i> , 1998, 414, 396-408.	0.8	15
309	Structural analysis of the Ru(0001)(1 $\bar{1}$ -1)-O and Ru(0001)(2 $\bar{1}$ -1)-O structures by medium energy in scattering. <i>Surface Science</i> , 2001, 491, 208-218.	0.8	15
310	X-ray standing waves at surfaces. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 4059-4074.	0.7	15
311	Adsorption geometry of CN on Cu(111) and Cu(111)/O. <i>Surface Science</i> , 2004, 563, 159-168.	0.8	15
312	The local structure of SO ₂ and SO ₃ on Ni(111). <i>Surface Science</i> , 2005, 577, 31-41.	0.8	15
313	Self-assembly of an aromatic thiolate on Cu(100): The local adsorption site. <i>Surface Science</i> , 2005, 598, 253-262.	0.8	15
314	Density functional theory calculations of adsorption-induced surface stress changes. <i>Surface Science</i> , 2008, 602, 226-234.	0.8	15
315	Alkali Doping Leads to Charge-Transfer Salt Formation in a Two-Dimensional Metal-Organic Framework. <i>ACS Nano</i> , 2020, 14, 7475-7483.	7.3	15
316	X-ray standing wave studies of molecular adsorption: why coherent fractions matter. <i>New Journal of Physics</i> , 2020, 22, 113012.	1.2	15
317	The temperature dependence of the energy of leed intensity peaks and its effect on the surface debye temperature. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1969, 30, 263-264.	0.9	14
318	Surface reconstruction of Si(100) and the effect of hydrogen absorption. <i>Journal of Physics C: Solid State Physics</i> , 1976, 9, L451-L453.	1.5	14
319	Structural specificity of dissociative chemisorption of oxygen from molecular oxygen and from nitrous oxide on copper surfaces. <i>Surface Science</i> , 1985, 157, 327-338.	0.8	14
320	Normal-incidence standing X-ray wavefield absorption and SEXAFS studies of adsorption structures on Cu and Ni surfaces. <i>Faraday Discussions of the Chemical Society</i> , 1990, 89, 301.	2.2	14
321	k-resolved inverse photoemission study of half-monolayer structures of O, C and N on Ni(100): a fingerprint of adsorbate-induced restructuring?. <i>Surface Science</i> , 1994, 306, 99-113.	0.8	14
322	A photoelectron diffraction study of the structure of ultrathin iron films on Cu{110}. <i>Surface Science</i> , 1997, 385, 107-114.	0.8	14
323	Photoelectron diffraction investigation of the local adsorption site of N on Cu(111). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3981-3991.	0.7	14
324	Monolayer resolution in medium energy ion scattering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 183, 62-72.	0.6	14

#	ARTICLE	IF	CITATIONS
325	Local structure determination of NH ₂ on Si(111) (7 Å ⁻¹). Physical Review B, 2004, 69, .	1.1	14
326	Alloying-induced surface stress change in Cu(100) c(2 Å ⁻¹) Mn. Physical Review B, 2005, 72, .	1.1	14
327	Photoelectron diffraction: from phenomenological demonstration to practical tool. Applied Physics A: Materials Science and Processing, 2008, 92, 439-445.	1.1	14
328	Direct Observation and Theory of Trajectory-Dependent Electronic Energy Losses in Medium-Energy Ion Scattering. Physical Review Letters, 2009, 102, 096103.	2.9	14
329	Influence of k-conservation in ultraviolet isochromat spectra from Ni. Physical Review B, 1982, 25, 3400-3403.	1.1	13
330	The surface structure of $\sqrt{2}\times\sqrt{2}$ -Sn(100). Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1983, 47, L5-L8.	0.7	13
331	Structural specificity in CO and H ₂ oxidation over single crystal copper surfaces. Surface Science, 1987, 180, 89-109.	0.8	13
332	Plasmon satellites in core level photoemission from sodium overlayers on Al(111). Surface Science, 1989, 214, 57-73.	0.8	13
333	The influence of atomic size on dopant accumulation and site occupation in molecular beam epitaxy. Surface Science, 1990, 234, 17-26.	0.8	13
334	Quantitative structural study of the coadsorption of CO and K on Ni(111) using photoelectron diffraction. Surface Science, 1997, 393, 12-23.	0.8	13
335	Initial stages of oxidation of Mg(0001) and the role of co-adsorbed alkali metals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 98-99, 235-244.	0.8	13
336	Angular dependence in photoemission: from atoms to surfaces to atoms. Journal of Electron Spectroscopy and Related Phenomena, 1999, 100, 259-272.	0.8	13
337	Structure of ultrathin films of Co on Cu(111) from normal-incidence x-ray standing wave and medium-energy ion scattering measurements. Physical Review B, 2000, 62, 16984-16994.	1.1	13
338	CN-induced surface layer expansion of Ni(110): a MEIS study. Surface Science, 2001, 476, L241-L246.	0.8	13
339	A vibrational spectroscopic investigation of the CO+O ₂ reaction on Pt{110}. Journal of Chemical Physics, 2002, 117, 885-896.	1.2	13
340	Low energy electron diffraction structure determination of the Ni c(2 Å ⁻¹) CN surface phase. Surface Science, 2003, 526, 33-43.	0.8	13
341	Density functional theory investigation of CN on Cu(111), Ni(111) and Ni(100). Surface Science, 2006, 600, 340-347.	0.8	13
342	Methylthiolate-induced reconstruction of Ag(111): A medium energy ion scattering study. Surface Science, 2007, 601, 50-57.	0.8	13

#	ARTICLE	IF	CITATIONS
343	The local structure of OH species on the V ₂ O ₃ (0001) surface: A scanned-energy mode photoelectron diffraction study. <i>Surface Science</i> , 2008, 602, 1267-1279.	0.8	13
344	The structure of methoxy species on Cu(110): A combined photoelectron diffraction and density functional theory determination. <i>Surface Science</i> , 2011, 605, 193-205.	0.8	13
345	The Structure of VOPc on Cu(111): Does V•O Point Up, or Down, or Both?. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8101-8111.	1.5	13
346	The use of the Patterson function in surface structure determination by LEED. <i>Surface Science</i> , 1974, 42, 355-372.	0.8	12
347	Multiple bondlengths and short data ranges in sexafs and exafs. <i>Solid State Communications</i> , 1985, 56, 461-463.	0.9	12
348	Inverse photoemission from alkali-metal films. <i>Physical Review B</i> , 1990, 41, 8150-8155.	1.1	12
349	The structure of the surface methoxy species on Ni{111}. <i>Surface Science</i> , 1995, 331-333, 201-206.	0.8	12
350	Alkali-promoted oxidation of Al(111): and coadsorption and the role of surface structure. <i>Surface Science</i> , 1997, 391, 300-314.	0.8	12
351	Local Structure of CO Coadsorbed with O on Ni(111): A Temperature-Dependent Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 3701-3707.	1.2	12
352	N-induced pseudo-(100) reconstruction of Cu(111): One layer or more?. <i>Surface Science</i> , 2005, 582, 97-109.	0.8	12
353	Chemistry of (and on) Transition Metal Clusters: A Fourier Transform Ion Cyclotron Resonance Study of the Reaction of Niobium Cluster Cations with Nitric Oxide. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 83-90.	0.5	12
354	Adsorbate-induced surface stress, surface strain and surface reconstruction: S on Cu(100) and Ni(100). <i>Surface Science</i> , 2013, 613, 21-27.	0.8	12
355	Data averaging and pseudo-kinematical approaches to the LEED surface structure problem. <i>Faraday Discussions of the Chemical Society</i> , 1975, 60, 218.	2.2	11
356	In Reply: Auger Electron Angular Distributions from Surfaces: Forward Focusing or Silhouettes?. <i>Science</i> , 1990, 248, 1131-1131.	6.0	11
357	The adsorption site of pyridine on Ni{111} determined by low-energy photoelectron diffraction. <i>Surface Science</i> , 1994, 319, L1-L6.	0.8	11
358	Inverse photoemission study of the Cu(100)c(2 [×] 2)-Mn phase. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 1139-1147.	0.7	11
359	The surface structure of 1-bromo-2-chloroethane on Cu(111). <i>Surface Science</i> , 1997, 392, 199-211.	0.8	11
360	Oxidation of the Cu(100)c(2 [×] 2)-Mn surface: epitaxial manganese oxide. <i>Surface Science</i> , 1998, 418, 521-528.	0.8	11

#	ARTICLE	IF	CITATIONS
361	THE SIMULATED ANNEALING GLOBAL SEARCH ALGORITHM APPLIED TO THE CRYSTALLOGRAPHY OF SURFACES BY LEED. <i>Surface Review and Letters</i> , 1999, 06, 651-661.	0.5	11
362	Structural precursor to adsorbate-induced reconstruction: C on $\text{Ni}(100)$. <i>Physical Review B</i> , 1999, 60, 10715-10718.	1.1	11
363	Structure determination of molecular adsorbates on oxide surfaces using scanned-energy mode photoelectron diffraction. <i>Faraday Discussions</i> , 1999, 114, 141-155.	1.6	11
364	A NIXSW structural investigation of the low temperature silyl phase formed by SiH_4 reaction with $\text{Cu}(111)$. <i>Chemical Physics Letters</i> , 2002, 351, 208-212.	1.2	11
365	Energy loss in medium-energy ion scattering: A combined theoretical and experimental study of the model system Y on $\text{Si}(111)$. <i>Physical Review B</i> , 2005, 72, .	1.1	11
366	Structural characterisation of ultra-thin VO_x films on $\text{TiO}_2(110)$. <i>Surface Science</i> , 2006, 600, 4813-4824.	0.8	11
367	The local adsorption structure of benzene on $\text{Si}(001)-(2 \times 1)$: a photoelectron diffraction investigation. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 304206.	0.7	11
368	Validation of the inverted adsorption structure for free-base tetraphenyl porphyrin on $\text{Cu}(111)$. <i>Chemical Communications</i> , 2020, 56, 3681-3684.	2.2	11
369	Surface Spectroscopies with Synchrotron Radiation. <i>Science</i> , 1982, 216, 367-372.	6.0	10
370	The surface structure of $\text{W}\{100\}$. <i>Surface Science</i> , 1982, 122, L653-L656.	0.8	10
371	Local neutralisation effects in esdiad. <i>Surface Science</i> , 1983, 124, 320-328.	0.8	10
372	A SEXAFS study of several surface phases of iodine adsorption on $\text{Ni}\{100\}$. <i>Surface Science</i> , 1987, 179, 442-452.	0.8	10
373	Photoelectron diffraction study of O, N and C adsorption structures on $\text{Ni}(100)$ and $\text{Cu}(110)$. <i>Faraday Discussions of the Chemical Society</i> , 1990, 89, 311.	2.2	10
374	The structure of $\text{Cu}(110) (2 \times 3) \sqrt{2}$; pseudo-square reconstruction of a rectangular mesh substrate. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1991, 9, 1856-1860.	0.9	10
375	Inverse photoemission and Auger electron spectroscopy of Rh thin films on $\text{Cu}(100)$. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 9475-9484.	0.7	10
376	Photoemission and inverse photoemission spectroscopy of $\text{V}(100)$. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4195-4204.	0.7	10
377	The temperature dependence of the interaction of $\text{NO}+\text{CO}$ on $\text{Pt}\{100\}$. <i>Surface Science</i> , 2003, 547, 355-373.	0.8	10
378	Comment on "Properly interpreting scanning tunneling microscopy images: the $\text{Cu}(100)-c(2 \times 2)N$ surface revisited" by T.E. Wofford, S.M. York and F.M. Leibsle [<i>Surf. Sci.</i> 522 (2003) 47]. <i>Surface Science</i> , 2003, 539, 182-185.	0.8	10

#	ARTICLE	IF	CITATIONS
379	Is seeing believing?. Current Opinion in Solid State and Materials Science, 2003, 7, 75-81.	5.6	10
380	STM Study of Molecule Double-Rows in Mixed Self-Assembled Monolayers of Alkanethiols. Langmuir, 2010, 26, 8174-8179.	1.6	10
381	The structure of furan reaction products on Pd(111). Physical Chemistry Chemical Physics, 2011, 13, 7975.	1.3	10
382	Quantitative local structure determination of R,R-tartaric acid on Cu(110): Monotartrate and bitartrate phases. Surface Science, 2012, 606, 1435-1442.	0.8	10
383	Structure Determination of Molecular Adsorbates Using Photoelectron Diffraction. Springer Series in Surface Sciences, 1995, , 127-169.	0.3	10
384	Photoelectron diffraction from Te on Ni(100) and Cu(100). Surface Science, 1983, 129, 366-374.	0.8	9
385	Adsorption site identification in surface extended x-ray absorption fine structure. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 914-918.	0.9	9
386	NEXAFS from adsorbed molecules: Ethanol and ethoxy on Cu(110). Surface Science, 1987, 182, L241-L247.	0.8	9
387	Determination of the adsorption site of C, N, and O on Ni(100) and Cu(100) using photoelectron diffraction. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 1926-1930.	0.9	9
388	The orientation of mercaptide on Cu(111) studied by X-ray photoelectron diffraction polar angle scans. Journal of Physics Condensed Matter, 1991, 3, S111-S115.	0.7	9
389	Structure of adsorbed Fe on Ni{111}. Physical Review B, 1998, 58, 6768-6771.	1.1	9
390	Determination of the adsorption geometry of ethylene on Ni{110} using photoelectron diffraction. Surface Science, 1999, 440, 125-141.	0.8	9
391	The structure of surface alloy phases on metallic substrates. Chemical Physics of Solid Surfaces, 2002, 10, 277-304.	0.3	9
392	Structure of the Pentylthiolate Self-Assembled Monolayer on Ag(111). Journal of Physical Chemistry C, 2007, 111, 10040-10048.	1.5	9
393	A structural study of a C ₃ H ₃ species coadsorbed with CO on Pd(111). Surface Science, 2008, 602, 2743-2751.	0.8	9
394	The local structure of molecular reaction intermediates at surfaces. Chemical Society Reviews, 2008, 37, 2262.	18.7	9
395	Medium energy ion scattering investigation of methylthiolate-induced modification of the Au(111) surface. Surface Science, 2011, 605, 138-145.	0.8	9
396	Local hydroxyl adsorption geometry on TiO ₂ (110). Physical Review B, 2011, 84, .	1.1	9

#	ARTICLE	IF	CITATIONS
397	The energy and temperature dependence of LEED intensity peak widths. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1969, 30, 250-251.	0.9	8
398	Structural sensitivity of photoelectron diffraction azimuthal patterns. <i>Solid State Communications</i> , 1980, 35, 225-227.	0.9	8
399	Structural study of Rb and Cl coadsorption on Cu(111): a case of overlayer compound formation. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 4593-4602.	0.7	8
400	Quantitative determination of the adsorption site of the OH radicals in the H ₂ O/Si(100) system. <i>Physical Review B</i> , 2002, 66, .	1.1	8
401	The structure of the Pd(1 1 0)(2 $\sqrt{3}$ -1)-CO surface. <i>Surface Science</i> , 2002, 511, 34-42.	0.8	8
402	The structure of the Ni(100)c(2 $\sqrt{3}$ -2) $\sqrt{3}$ -N ₂ surface: a chemical-state-specific scanned-energy mode photoelectron diffraction determination. <i>Surface Science</i> , 2003, 538, 59-75.	0.8	8
403	Structural studies at metallic surfaces and interfaces using MEIS. <i>Current Applied Physics</i> , 2003, 3, 19-24.	1.1	8
404	Nitrogen-induced nanometre-scale faceting of Cu(410). <i>Surface Science</i> , 2004, 560, 35-44.	0.8	8
405	Can circular dichroism in core-level photoemission provide a spectral fingerprint of adsorbed chiral molecules?. <i>New Journal of Physics</i> , 2005, 7, 109-109.	1.2	8
406	Ordered growth of vanadyl phthalocyanine (VOPc) on an iron phthalocyanine (FePc) monolayer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29747-29752.	1.3	8
407	A structural investigation of the interaction of oxalic acid with Cu(110). <i>Surface Science</i> , 2018, 668, 134-143.	0.8	8
408	Quantitative determination of molecular adsorption structures: STM and DFT are not enough. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 100501.	0.8	8
409	Symmetry in LEED and the reproducibility of data. <i>Surface Science</i> , 1973, 40, 200-203.	0.8	7
410	A simple parallel isochromat detector for inverse photoemission. <i>Physica Scripta</i> , 1990, 41, 546-549.	1.2	7
411	X-ray photoelectron diffraction investigation of the (2 $\sqrt{3}$ -2) overlayers of Cs and K on Cu(111). <i>Surface Science</i> , 1994, 320, 315-319.	0.8	7
412	Photoelectron diffraction for quantitative determination of adsorption structures on surfaces. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 423-426.	1.3	7
413	X-ray standing wave study of wet-etch sulphur-treated InP(100) surfaces. <i>Applied Surface Science</i> , 2000, 166, 196-200.	3.1	7
414	Photoelectron diffraction determination of the local adsorption geometry of CO on Cu(210). <i>Surface Science</i> , 2001, 473, 203-212.	0.8	7

#	ARTICLE	IF	CITATIONS
415	Chemical-state-specific surface structure determination. <i>Surface Science</i> , 2001, 482-485, 49-59.	0.8	7
416	Should surface science exploit more quantitative experiments?. <i>Surface Science</i> , 2008, 602, 2963-2966.	0.8	7
417	The structure of surfaces: what do we know and what would we like to know?. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 084016.	0.7	7
418	The local structure of the azobenzene/aniline reaction intermediate on TiO ₂ (110). <i>Surface Science</i> , 2013, 613, 40-47.	0.8	7
419	Identifying the Azobenzene/Aniline Reaction Intermediate on TiO ₂ (110): A DFT Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12591-12599.	1.5	7
420	Adsorbate-Induced Restructuring of f.c.c. {100} Surfaces. <i>Chemical Physics of Solid Surfaces</i> , 1994, 7, 465-499.	0.3	7
421	Thermodynamic Driving Forces for Substrate Atom Extraction by Adsorption of Strong Electron Acceptor Molecules. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6082-6090.	1.5	7
422	A simple ion scattering spectrometer for surface studies. <i>Journal of Physics E: Scientific Instruments</i> , 1980, 13, 969-972.	0.7	6
423	Auger vs resonance neutralization in low energy He ⁺ ion scattering. <i>Vacuum</i> , 1983, 33, 651-653.	1.6	6
424	Core level photoemission study of the adsorption of iodine Ni{100}. <i>Vacuum</i> , 1983, 33, 858-859.	1.6	6
425	A high resolution vibrational spectroscopic study of the formate intermediate on Cu(110). <i>Vacuum</i> , 1983, 33, 876-877.	1.6	6
426	Structural specificity of simple surface reactions studied using cylindrical single crystals. <i>Surface Science</i> , 1985, 162, 310-315.	0.8	6
427	The structure of the Ni(100)c(2 $\sqrt{2}$)Hg surface. <i>Journal of Physics Condensed Matter</i> , 1989, 1, SB21-SB25.	0.7	6
428	Sodium-promoted oxidation of Al(111) studied by core-level photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 4677-4686.	0.7	6
429	Initial-state effects in scanned-energy-mode photoelectron diffraction. <i>Physical Review B</i> , 1994, 49, 7729-7733.	1.1	6
430	Photoemission intensity variations from the quantum well state in the Ag/V(100) single-monolayer overlayer structure. <i>Journal of Physics Condensed Matter</i> , 1999, 11, L105-L110.	0.7	6
431	Local structure determination for benzene/NO coadsorption on Ni(111) using scanned-energy mode photoelectron diffraction. <i>Surface Science</i> , 2001, 478, 35-48.	0.8	6
432	1-Chloro-2-fluoroethane Adsorption on Cu(111): Structure and Bonding. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10600-10609.	1.2	6

#	ARTICLE	IF	CITATIONS
433	The adsorption of CCl ₄ on Ag(111): Carbene and CC bond formation. <i>Surface Science</i> , 2006, 600, 241-248.	0.8	6
434	Inelastic energy loss in 100 eV scattering from single atoms: Theory and experiment for K, Rb, and Cs. <i>Physical Review B</i> , 2006, 74, .	1.1	6
435	MEIS investigations of surface structure. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 256, 293-299.	0.6	6
436	Structure determination of PF ₃ adsorption on Cu(100) using X-ray standing waves. <i>Surface Science</i> , 2008, 602, 650-659.	0.8	6
437	Chaudhuri et al. Reply. <i>Physical Review Letters</i> , 2009, 103, .	2.9	6
438	Quantitative adsorbate structure determination under catalytic reaction conditions. <i>Physical Review B</i> , 2013, 87, .	1.1	6
439	Quantitative Adsorbate Structure Determination for Quasicrystals Using X-Ray Standing Waves. <i>Physical Review Letters</i> , 2014, 113, 106101.	2.9	6
440	Direct Experimental Evidence for Substrate Adatom Incorporation into a Molecular Overlayer. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7346-7355.	1.5	6
441	Directional memory effects in inelastic photoelectron scattering. <i>Surface Science</i> , 1980, 95, 403-410.	0.8	5
442	Initial oxidation kinetics on cylindrical crystals. <i>Vacuum</i> , 1981, 31, 519-522.	1.6	5
443	From SEXAFS to SEELFS. <i>Surface and Interface Analysis</i> , 1988, 11, 25-35.	0.8	5
444	Elastic scattering and charge exchange in He ⁺ ion scattering from alkali metal overlayers. <i>Vacuum</i> , 1988, 38, 291-293.	1.6	5
445	Photoelectron diffraction from oxygen-containing species on Cu(100). <i>Vacuum</i> , 1988, 38, 305-307.	1.6	5
446	Local scattering probes of surface structure. <i>Vacuum</i> , 1989, 39, 621-625.	1.6	5
447	Aspects of layer-by-layer composition analysis using MEIS. <i>Current Applied Physics</i> , 2003, 3, 89-92.	1.1	5
448	A CO ₂ Surface Molecular Precursor during CO Oxidation over Pt(100). <i>Journal of Physical Chemistry B</i> , 2004, 108, 14270-14275.	1.2	5
449	The local structure of SO ₂ and SO ₃ on Ni(111): A scanned-energy mode photoelectron diffraction study. <i>Surface Science</i> , 2009, 603, 2062-2073.	0.8	5
450	Surface relaxation in Cu(410) O: A medium energy ion scattering study. <i>Surface Science</i> , 2010, 604, 788-796.	0.8	5

#	ARTICLE	IF	CITATIONS
451	Silver sulphide growth on Ag(111): A medium energy ion scattering study. Surface Science, 2010, 604, 1254-1260.	0.8	5
452	Does methanol produce a stable methoxy species on Ru(0001) at low temperatures?. Surface Science, 2012, 606, 1298-1302.	0.8	5
453	V-doped TiO ₂ (110): Quantitative structure determination using energy scanned photoelectron diffraction. Surface Science, 2014, 630, 64-70.	0.8	5
454	Adsorbate-induced surface stress, surface strain and surface reconstruction: CH ₃ S on Cu(100) and Cu(111). Surface Science, 2015, 635, 27-36.	0.8	5
455	Adsorption and reaction at stepped surfaces: a historical viewpoint. Journal of Physics Condensed Matter, 2016, 28, 491001.	0.7	5
456	A scanning tunnelling microscopy study of C and N adsorption phases on the vicinal Ni(100) surfaces Ni(810) and Ni(911). Surface Science, 2016, 646, 114-125.	0.8	5
457	Growth and evolution of tetracyanoquinodimethane and potassium coadsorption phases on Ag(111). New Journal of Physics, 2020, 22, 063028.	1.2	5
458	The morphology of the solid/liquid interface during melting. Philosophical Magazine and Journal, 1968, 18, 123-127.	1.8	4
459	A LEED study of the Si(100)(1 Å ⁻¹)H surface structure. Surface Science, 1977, 68, 457.	0.8	4
460	Photoemitted intensities from core states of chalcogens on nickel up to 160 eV above threshold. Journal of Electron Spectroscopy and Related Phenomena, 1978, 14, 231-236.	0.8	4
461	Structural studies of adsorbed and coadsorbed molecular species. Surface Science, 1993, 283, 309-318.	0.8	4
462	Photoemission Studies of Adsorbates on Metal Surfaces. Journal of Synchrotron Radiation, 1995, 2, 276-287.	1.0	4
463	Quantitative structural study of an Na ⁺ O coadsorption phase on Al(111) using X-ray standing waves. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3555-3561.	1.7	4
464	Structural analysis of Pt(111)c(5 $\sqrt{3}$ Å ⁻¹)rect. CO using photoelectron diffraction. Surface Science, 2007, 601, 1296-1303.	0.8	4
465	A standard format for reporting atomic positions: Further needs and options. Surface Science, 2010, 604, 1544-1547.	0.8	4
466	Two- and three-dimensional growth of Bi on Al-Pd-Mn studied using medium-energy ion scattering. Physical Review B, 2010, 82, .	1.1	4
467	Surface stress changes in the Ir(001)/H system: Density functional theory study. Physical Review B, 2011, 84, .	1.1	4
468	Surface structure of GaP(110): Ion scattering and density functional theory study. Physical Review B, 2012, 85, .	1.1	4

#	ARTICLE	IF	CITATIONS
469	Characterization of growth and structure of TCNQ phases on Ag(111). <i>Physical Review Materials</i> , 2019, 3, .	0.9	4
470	A Real-Time Vibrational Spectroscopic Investigation of the Low-Temperature Oscillatory Regime of the Reaction of NO with CO on Pt{100}. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1708-1718.	1.2	3
471	Density functional theory analysis of the Ni(110)c(2Å–2)-CN surface phase. <i>Surface Science</i> , 2005, 580, 145-152.	0.8	3
472	Surface crystallography and its relationship to catalysis. <i>Crystallography Reviews</i> , 2005, 11, 35-47.	0.4	3
473	Thiolate-induced lateral distortion of the Cu(100) surface. <i>Surface Science</i> , 2010, 604, 1727-1732.	0.8	3
474	Bridging the pressure gap: Can we get local quantitative structural information at \sim near-ambient $\hat{\text{a}}^{\text{TM}}$ pressures?. <i>Surface Science</i> , 2016, 652, 4-6.	0.8	3
475	Photoelectron diffraction: Early demonstrations and alternative modes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	0.9	3
476	Photoelectron diffraction observations of adsorbates on nickel surfaces. <i>Surface Science</i> , 1979, 89, 51.	0.8	2
477	Chapter 7 Photoelectron Diffraction. <i>Studies in Surface Science and Catalysis</i> , 1992, , 243-290.	1.5	2
478	Do oxygen-induced Cu(410) facets reconstruct?. <i>Surface Science Letters</i> , 1993, 285, L503-L509.	0.1	2
479	Understanding adsorbate bonding through quantitative surface structure determination. <i>Applied Surface Science</i> , 2004, 237, 13-20.	3.1	2
480	Supramolecular effects in self-assembled monolayers: general discussion. <i>Faraday Discussions</i> , 2017, 204, 123-158.	1.6	2
481	Supramolecular systems at liquid $\hat{\text{a}}^{\text{TM}}$ solid interfaces: general discussion. <i>Faraday Discussions</i> , 2017, 204, 271-295.	1.6	2
482	Photoelectron Diffraction. , 2018, , 372-379.		2
483	X-Ray Absorption Fine Structure Study of Mercaptide on Cu(111). <i>Springer Series in Surface Sciences</i> , 1988, , 189-194.	0.3	2
484	Corrugated graphene exposes the limits of a widely used ab initio van der Waals DFT functional. <i>Physical Review Materials</i> , 2019, 3, .	0.9	2
485	Surface structure determination. <i>Vacuum</i> , 1981, 31, 399-405.	1.6	1
486	Atomic exchange potentials and angle resolved photoemission. <i>Vacuum</i> , 1981, 31, 457-459.	1.6	1

#	ARTICLE	IF	CITATIONS
487	Response to "Comment on 'k-resolved inverse photoelectron spectroscopy and its application to Cu(001), Ni(001), and Ni(110)' ". Physical Review B, 1984, 30, 1047-1047.	1.1	1
488	Intramolecular and multiple scattering in SEXAFS of an adsorbed small molecule. Vacuum, 1990, 41, 244-247.	1.6	1
489	Dippelet al. reply. Physical Review Letters, 1993, 71, 300-300.	2.9	1
490	Direct methods for adsorbate structure determination using photoelectron diffraction. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 85-90.	0.8	1
491	Chemical-state specificity in surface structure determination. Applied Physics A: Materials Science and Processing, 2001, 72, 421-428.	1.1	1
492	Local structure of OH adsorbed on the Ge(001)(2Å ⁻¹) surface using scanned-energy mode photoelectron diffraction. Surface Science, 2003, 540, 246-254.	0.8	1
493	Surface Structure. , 2008, , 1-56.		1
494	X-ray standing wave study of Si clusters on a decagonal Al-Co-Ni quasicrystal surface. Physical Review B, 2015, 91, .	1.1	1
495	Methods of Surface Composition Determination. , 0, , 35-97.		1
496	Characterising Molecules and Molecular Interactions on Surfaces. , 2016, , 383-467.		1
497	The structure of 2D charge transfer salts formed by TCNQ/alkali metal coadsorption on Ag(111). Surface Science, 2020, 701, 121687.	0.8	1
498	New insight on the role of localisation in the electronic structure of the Si(111)(7Å ⁻¹) surfaces. Scientific Reports, 2021, 11, 15034.	1.6	1
499	Quantitative Determination of Molecular Adsorbate Structures. , 1997, , 193-214.		1
500	Auger Electron Angular Distributions from Surfaces: Forward Focusing or Silhouettes?. Science, 1990, 248, 1131-1131.	6.0	1
501	Crystallographic incident beam effects in quantitative Auger electron spectroscopy. Surface Science Letters, 1980, 100, L483-L490.	0.1	0
502	Angles on Surfaces. Nature, 1981, 293, 365-365.	18.7	0
503	The surface structure of W{100} R45Å°. Surface Science Letters, 1982, 122, L653-L656.	0.1	0
504	Trajectory and collision related neutralisation in low energy He+ ion scattering. Surface Science Letters, 1982, 116, L219-L222.	0.1	0

#	ARTICLE	IF	CITATIONS
505	Photoelectron diffraction from Te on Ni(100) and Cu(100). Surface Science Letters, 1983, 129, A244.	0.1	0
506	Geometrical and electronic structure of multiple surface phases: Iodine on Ni{100}. Applications of Surface Science, 1985, 22-23, 459-468.	1.0	0
507	Summary Abstract: Unoccupied surface states on Cu(100) and Cu(111) studied by inverse photoemission. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1985, 3, 1637-1638.	0.9	0
508	Desorption induced by electronic transitions. Contemporary Physics, 1985, 26, 76-78.	0.8	0
509	The electronic structure of graphitic overlayers on Ni[100]. Surface Science Letters, 1986, 171, L447-L453.	0.1	0
510	Ecos-9 outlook. Surface Science, 1987, 189-190, 1150-1152.	0.8	0
511	NEXAFS from adsorbed molecules: Ethanol and ethoxy on Cu(110). Surface Science Letters, 1987, 182, L241-L247.	0.1	0
512	STRUCTURAL STUDIES OF MOLECULAR ADSORPTION AT SURFACES USING SCANNED-ENERGY MODE PHOTOELECTRON DIFFRACTION. Surface Review and Letters, 1994, 01, 457-464.	0.5	0
513	Determination of alkali atoms adsorbing location and of the geometry of adsorption of simple molecules on Cu(111) surface by x-ray photoelectron diffraction (XPD). AIP Conference Proceedings, 1996, , .	0.3	0
514	Photoelectron Diffraction. , 2001, , 6925-6929.		0
515	Chemical State-specific Surface Structure from Photoemission-monitored X-ray Standing Waves. Synchrotron Radiation News, 2004, 17, 11-16.	0.2	0
516	Nitrogen-induced nanometre-scale faceting of Cu(410). Surface Science, 2004, 560, 35-35.	0.8	0
517	Surface Crystallography and Its Relationship to Catalysis.. ChemInform, 2005, 36, no.	0.1	0
518	Using photoelectron diffraction to determine complex molecular adsorption structures. Journal of Physics: Conference Series, 2010, 235, 012001.	0.3	0
519	X-RAY STANDING WAVE IN A BACKSCATTERING GEOMETRY. Series on Synchrotron Radiation Techniques and Applications, 2013, , 83-93.	0.2	0
520	X-RAY STANDING WAVE FOR CHEMICAL-STATE SPECIFIC SURFACE STRUCTURE DETERMINATION. Series on Synchrotron Radiation Techniques and Applications, 2013, , 441-455.	0.2	0
521	Photoelectron Diffraction. , 2016, , .		0
522	Introduction and General Background Concepts. , 0, , 1-34.		0

#	ARTICLE	IF	CITATIONS
523	Methods of Surface Structure Determination. , 2016, , 98-214.		0
524	Methods of Determining Surface Electronic Structure. , 0, , 287-382.		0
525	Probes of Vibrational Structure. , 2021, , 226-241.		0
526	Local Structural Techniques. , 2021, , 143-184.		0
527	Probes of Electronic Structure. , 2021, , 185-225.		0
528	Crystalline Structural Techniques. , 2021, , 102-142.		0
529	Getting the Light to the Sample. , 2021, , 70-101.		0
530	Synchrotron Radiation Sources. , 2021, , 16-69.		0
531	Imaging and Micro/Nano-Analysis. , 2021, , 242-271.		0
532	Photoemission-monitored normal incidence X-ray standing waves: structural studies of low-Zmolecular adsorbates with chemical-state specificity. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c205-c205.	0.3	0
533	A SEXAFS Study of Iodine on Ni{100}: The Surface Iodide Phase. Springer Proceedings in Physics, 1984, , 258-260.	0.1	0
534	Surface adsorption structure determination using backscattering photoelectron diffraction. Journal of Electron Spectroscopy and Related Phenomena, 2022, 256, 147170.	0.8	0
535	THE STRUCTURE OF THE Cu(111) ($\sqrt{3} \times \sqrt{3}$) R30°-Cl SURFACE : A COMBINED SEXAFS AND PHOTOELECTRON DIFFRACTION STUDY. Journal De Physique Colloque, 1986, 47, C8-533-C8-538.	0.2	0
536	THE ADSORPTION SITE OF FORMATE (HCOO) ON COPPER SURFACES. Journal De Physique Colloque, 1986, 47, C8-487-C8-490.	0.2	0