

# S Ferrer

## List of Publications by Year in descending order

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197  
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citations

61945

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74108

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200  
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200  
docs citations

200  
times ranked

6940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of the $sp^3$ and $sp^2$ components in the C1s photoemission spectra of amorphous carbon films. <i>Physical Review B</i> , 1996, 54, 8064-8069.	1.1	717
2	Structure and Reactivity of Surface Oxides on Pt(110) during Catalytic CO Oxidation. <i>Physical Review Letters</i> , 2005, 95, 255505.	2.9	327
3	The role of steps in surface catalysis and reaction oscillations. <i>Nature Chemistry</i> , 2010, 2, 730-734.	6.6	184
4	Developments in optics and performance at BL13-XALOC, the macromolecular crystallography beamline at the Alba Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 679-689.	1.0	168
5	Structural Anisotropy of Poly(alkylthiophene) Films. <i>Macromolecules</i> , 2000, 33, 3120-3127.	2.2	158
6	A new model for the reconstructed (110)-1 $\sqrt{2}$ surfaces of Ir, Pt and Au. <i>Surface Science</i> , 1982, 118, L263-L268.	0.8	156
7	Antiferromagnetic ordering in Co-Cu single-crystal superlattices. <i>Physical Review B</i> , 1989, 39, 9726-9729.	1.1	145
8	MISTRAL: a transmission soft X-ray microscopy beamline for cryo nano-tomography of biological samples and magnetic domains imaging. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1112-1117.	1.0	128
9	Surface diffraction beamline at ESRF. <i>Review of Scientific Instruments</i> , 1995, 66, 1674-1676.	0.6	125
10	The surface morphology of a growing crystal studied by thermal energy atom scattering (TEAS). <i>Surface Science</i> , 1987, 189-190, 1062-1068.	0.8	120
11	Design and performance of BOREAS, the beamline for resonant X-ray absorption and scattering experiments at the ALBA synchrotron light source. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1507-1517.	1.0	110
12	The preparation, thermal stability and adsorption characteristics of the non-reconstructed Pt(110)- $1 \times 1$ surface. <i>Surface Science</i> , 1982, 119, 234-250.	0.8	109
13	Oxygen-induced missing-row reconstruction of Cu(001) and Cu(001)-vicinal surfaces. <i>Physical Review B</i> , 1990, 42, 6954-6962.	1.1	105
14	UPS and XPS studies of the chemisorption of O <sub>2</sub> , H <sub>2</sub> AND H <sub>2</sub> O on reduced and stoichiometric SrTiO <sub>3</sub> (111) surfaces; The effects of illumination. <i>Surface Science</i> , 1980, 94, 41-56.	0.8	102
15	Structural aspects of electrochemical doping and dedoping of poly(3,4-ethylenedioxythiophene). <i>Synthetic Metals</i> , 2000, 113, 93-97.	2.1	102
16	Surface crystallography of YSi <sub>2</sub> films epitaxially grown on Si(111): An x-ray photoelectron diffraction study. <i>Physical Review Letters</i> , 1990, 64, 311-314.	2.9	101
17	Surface x-ray diffraction from Co/Pt(111) ultrathin films and alloys: Structure and magnetism. <i>Physical Review B</i> , 1997, 56, 9848-9857.	1.1	101
18	Creation and observation of Hopfions in magnetic multilayer systems. <i>Nature Communications</i> , 2021, 12, 1562.	5.8	95

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19	Photoelectron-spectroscopy study of the electronic structure of Au and Ag overlayers on Pt(100), Pt(111), and Pt(997) surfaces. <i>Physical Review B</i> , 1983, 28, 6758-6765.	1.1	93
20	The ALBA spectroscopic LEEM-PEEM experimental station: layout and performance. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 745-752.	1.0	88
21	Surface structural determination for a weakly ordered and a disordered phase of Cl on Ag(111). <i>Physical Review B</i> , 1986, 34, 2975-2978.	1.1	87
22	Quantitative evaluation of the perfection of an epitaxial film grown by vapor deposition as determined by thermal energy atom scattering. <i>Journal of Crystal Growth</i> , 1988, 88, 442-454.	0.7	82
23	Characterization of the growth processes and magnetic properties of thin ferromagnetic cobalt films on Cu(100). <i>Surface Science</i> , 1989, 211-212, 732-739.	0.8	82
24	Atomic Structure of the $(4\sqrt{2})$ Surface Reconstruction of Ge(001) as Determined by X-Ray Diffraction. <i>Physical Review Letters</i> , 1995, 75, 1771-1774.	2.9	81
25	Core- and valence-band energy-level shifts in small two-dimensional islands of gold deposited on Pt(100): The effect of step-edge, surface, and bulk atoms. <i>Physical Review B</i> , 1983, 28, 1158-1160.	1.1	73
26	The Role of Intermolecular and Molecule-Substrate Interactions in the Stability of Alkanethiol Nonsaturated Phases on Au(111). <i>Journal of the American Chemical Society</i> , 2004, 126, 385-395.	6.6	72
27	Oxygen-induced step bunching and faceting of Rh(553): Experiment and ab initio calculations. <i>Physical Review B</i> , 2006, 74, .	1.1	71
28	Indium-induced layer-by-layer growth and suppression of twin formation in the homoepitaxial growth of Cu(111). <i>Physical Review B</i> , 1995, 52, 17443-17448.	1.1	70
29	A soft X-ray beamline for transmission X-ray microscopy at ALBA. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 505-512.	1.0	68
30	Epitaxial growth of crystalline, diamond-like films on Si(100) by laser ablation of graphite. <i>Applied Physics Letters</i> , 1990, 57, 1742-1744.	1.5	65
31	Ultrahigh vacuum/high pressure chamber for surface x-ray diffraction experiments. <i>Review of Scientific Instruments</i> , 1999, 70, 1478-1480.	0.6	61
32	Nanoscale imaging of buried topological defects with quantitative X-ray magnetic microscopy. <i>Nature Communications</i> , 2015, 6, 8196.	5.8	61
33	A thermal desorption study of the adsorption of CO on Fe(110); enhancement of dissociation by surface defects. <i>Surface Science</i> , 1982, 119, 61-70.	0.8	60
34	Study of $C_{60}/Au(110)$ $(6\sqrt{5})$ Reconstruction from In-Plane X-Ray Diffraction Data. <i>Physical Review Letters</i> , 2000, 85, 1040-1043.	2.9	59
35	Artificial Double-Helix for Geometrical Control of Magnetic Chirality. <i>ACS Nano</i> , 2020, 14, 8084-8092.	7.3	58
36	Indium-induced lowering of the Schwoebel barrier in the homoepitaxial growth of Cu(100). <i>Physical Review B</i> , 1995, 51, 14806-14809.	1.1	57

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37	New Insights in the $c(4\sqrt{2})$ Reconstruction of Hexadecanethiol on Au(111) Revealed by Grazing Incidence X-ray Diffraction. <i>Langmuir</i> , 2004, 20, 9396-9402.	1.6	57
38	An ISS-XPS study on the oxidation of Al(111); identification of stoichiometric and reduced oxide surfaces. <i>Surface Science</i> , 1985, 157, 233-243.	0.8	49
39	Cabrera-Mott mechanism for oxidation of metals explains diffusion of metallic atoms through thin defective oxide layers. <i>Surface Science</i> , 1985, 163, 335-356.	0.8	48
40	Resonant Surface Magnetic X-Ray Diffraction from Co <sub>3</sub> Pt(111). <i>Physical Review Letters</i> , 1996, 77, 747-750.	2.9	48
41	Adsorption of Carbon Monoxide on Ni(110) Above Atmospheric Pressure Investigated with Surface X-Ray Diffraction. <i>Physical Review Letters</i> , 2001, 86, 5325-5328.	2.9	48
42	Nature of the Low-Temperature $\sqrt{3}\times\sqrt{3}$ Surface Phase of Pb/Ge(111). <i>Physical Review Letters</i> , 1999, 82, 2524-2527.	2.9	47
43	Empty electronic levels of CO on Pt(110) ( $1\sqrt{2}$ ) and ( $1\sqrt{1}$ ) substrates as revealed by inverse photoemission. <i>Surface Science</i> , 1985, 162, 264-268.	0.8	46
44	Structure and melting of lead overlayers on Cu(100) studied with thermal-energy atom scattering. <i>Physical Review B</i> , 1989, 39, 5778-5786.	1.1	44
45	Low temperature diffusion of Pt and Au atoms through thin TiO <sub>2</sub> films on a Ti substrate. <i>Surface Science</i> , 1987, 191, 147-156.	0.8	43
46	The strong metal-support interaction (SMSI) in Pt-TiO <sub>2</sub> model catalysts. A new CO adsorption state on Pt-Ti atoms. <i>Journal of Chemical Physics</i> , 1986, 84, 6474-6478.	1.2	41
47	Surface x-ray structure analysis of periodic misfit dislocations in Fe/W(110). <i>Physical Review B</i> , 2003, 68, .	1.1	41
48	Near Ambient Pressure XPS at ALBA. <i>Journal of Physics: Conference Series</i> , 2013, 425, 072023.	0.3	40
49	Magnetic anisotropy of ultrathin cobalt films on Pt(111) investigated with x-ray diffraction: Effect of atomic mixing at the interface. <i>Physical Review B</i> , 2002, 65, .	1.1	38
50	Photocatalytic hydrogen production from water over SrTiO <sub>3</sub> crystal surfaces, electron spectroscopy studies of adsorbed H <sub>2</sub> , O <sub>2</sub> and H <sub>2</sub> O. <i>Surface Science</i> , 1980, 101, 462-474.	0.8	37
51	Surface x-ray-diffraction study of the Rh(111)+ $(2\sqrt{2})\times\sqrt{3}$ CO structure. <i>Physical Review B</i> , 1999, 59, 5876-5880.	1.1	35
52	Elevated-pressure chemical reactivity of carbon monoxide over Au(111). <i>Surface Science</i> , 2000, 467, 10-22.	0.8	35
53	<i>In Situ</i> Investigations of Chemical Reactions on Surfaces by X-Ray Diffraction at Atmospheric Pressures. <i>MRS Bulletin</i> , 2007, 32, 1010-1014.	1.7	34
54	A structural study of the K adsorption site on a Si(001) $\sqrt{2}\times\sqrt{2}$ surface: Dimer, caves or both. <i>Surface Science</i> , 1989, 211-212, 31-38.	0.8	33

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55	Atomic structure of the CdTe(001) $C(2\sqrt{2})$ reconstructed surface: A grazing incidence x-ray diffraction study. Applied Physics Letters, 1995, 67, 3957-3959.	1.5	33
56	Surface structure and stress in Fe monolayers on W(110). Physical Review B, 2001, 64, .	1.1	33
57	Hydrogenation of carbon monoxide on Ni(111) investigated with surface X-ray diffraction at atmospheric pressure. Surface Science, 2004, 557, 21-30.	0.8	33
58	MIRAS: The Infrared Synchrotron Radiation Beamline at ALBA. Synchrotron Radiation News, 2017, 30, 4-6.	0.2	33
59	A new high temperature superconductor: $Ba_2SmCu_3O_{9-x}$ . Solid State Communications, 1987, 63, 507-510.	0.9	32
60	Pd <sub>8</sub> Ni <sub>92</sub> (110) surface structure from surface X-ray diffraction. Surface evolution under hydrogen and butadiene reactants at elevated pressure. Surface Science, 2005, 587, 229-235.	0.8	32
61	Structure and thermal stability of the Au(334) surface and Au(111) thin films in air: A scanning tunneling microscopy study. Applied Surface Science, 1987, 28, 279-290.	3.1	30
62	The structure of the Ge(001)- $(2\sqrt{2})$ reconstruction investigated with X-ray diffraction. Surface Science, 1996, 364, 242-252.	0.8	30
63	Raman spectroscopy of carbon films grown by pulsed laser evaporation of graphite. Diamond and Related Materials, 1992, 1, 824-827.	1.8	29
64	Revealing 3D magnetization of thin films with soft X-ray tomography: magnetic singularities and topological charges. Nature Communications, 2020, 11, 6382.	5.8	29
65	Epitaxy and magnetic properties of fcc cobalt films on Cu(100). Vacuum, 1990, 41, 503-505.	1.6	28
66	Incomplete Melting of the Si(001) Surface: A Photoelectron Diffraction Study. Europhysics Letters, 1994, 25, 119-124.	0.7	28
67	Determination of scaling exponents in Ag(100) homoepitaxy with x-ray diffraction profiles. Physical Review B, 1998, 57, 6325-6328.	1.1	28
68	Application of x-ray direct methods to surface reconstructions: The solution of projected superstructures. Physical Review B, 1998, 57, R4281-R4284.	1.1	27
69	Compressibility of CO adsorbed on Ni from $10^{-6}$ mbar to 1.2 bar ambient CO pressures investigated with X-ray diffraction. Surface Science, 2003, 522, 161-166.	0.8	27
70	Determination of the elastic dipole at the atomic steps of Pt(977) from surface x-ray diffraction. Physical Review B, 2003, 67, .	1.1	27
71	Structural characterisation and homoepitaxial growth on Cu(111). Surface Science, 2000, 459, 191-205.	0.8	26
72	Interlayer relaxation of W(110) studied by surface X-ray diffraction. Surface Science, 2001, 475, 103-108.	0.8	26

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73	Layer relaxation and intermixing in Fe <sup>1/2</sup> Cu(001) studied by surface x-ray diffraction. Physical Review B, 2005, 71, .	1.1	26
74	Epitaxial growth of metals with high Ehrlich-Schwoebel barriers and the effect of surfactants. Applied Physics A: Materials Science and Processing, 1999, 69, 553-557.	1.1	25
75	Diatomic Steps in Pt(997) Surfaces Are Better Catalysts than Monatomic Steps for the CO Oxidation Reaction near Atmospheric Pressure. ACS Catalysis, 2016, 6, 1285-1291.	5.5	25
76	Cross section for diffuse scattering from random steps on Cu(100) determined by teas (thermal) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	0.8	22
77	Epitaxial growth of metals: Experimental results and Monte Carlo simulation. Surface Science, 1989, 211-212, 797-803.	0.8	22
78	Structural and magnetic properties of bcc Co films on Pt(001) studied by magnetic resonant surface x-ray diffraction, STM, and magneto-optical Kerr effect. Physical Review B, 2004, 70, .	1.1	22
79	The role of surface irregularities (steps, kinks) and point defects on the chemical reactivity of solid surfaces. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1982, 45, 261-269.	0.7	21
80	The oxidation of submonolayer deposits of Pb on Cu(111); differences between the oxide at the Pb island edges and the stoichiometric surface oxide. Surface Science, 1984, 136, 571-581.	0.8	21
81	Electron loss spectroscopy study of the growth by laser ablation of ultra-thin diamond-like films on Si(100). Surface Science, 1992, 260, L17-L23.	0.8	21
82	Residual strain in Ge pyramids on Si(111) investigated by x-ray crystal truncation rod scattering. Physical Review B, 2000, 62, 8223-8231.	1.1	21
83	Surface science done at third generation synchrotron radiation facilities. Surface Science, 2002, 500, 605-627.	0.8	20
84	Evidence for photodissociation of water vapor on reduced strontium titanate(111) surfaces in a high vacuum environment. The Journal of Physical Chemistry, 1981, 85, 1464-1466.	2.9	19
85	Ni-induced giant stress and surface relaxation in W(110). Physical Review B, 2003, 67, .	1.1	19
86	Stress and structure of c(2 $\sqrt{2}$ -2) and p2gg(4 $\sqrt{2}$ -2) Mn <sup>1/2</sup> Cu(001) surface alloys. Physical Review B, 2005, 71, .	1.1	19
87	Spin Reorientation and Structural Relaxation of Atomic Layers: Pushing the Limits of Accuracy. Physical Review Letters, 2004, 93, 156105.	2.9	18
88	Design and construction of multocrystal analyser detectors using Rowland circles: application to MAD26 at ALBA. Journal of Synchrotron Radiation, 2011, 18, 842-850.	1.0	18
89	Monte Carlo simulation of the growth of a Cu(100) surface from its own vapor; island nucleation and step propagation growth modes. Journal of Crystal Growth, 1988, 91, 481-489.	0.7	17
90	Deterministic propagation of vortex-antivortex pairs in magnetic trilayers. Applied Physics Letters, 2017, 110, .	1.5	17

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91	3D reconstruction of magnetization from dichroic soft X-ray transmission tomography. Journal of Synchrotron Radiation, 2018, 25, 1144-1152.	1.0	17
92	The L1L2,3V Auger transition in Si. Solid State Communications, 1975, 16, 651-653.	0.9	16
93	Epitaxial submonolayer cobalt films on Cu(100) studied by X-ray diffraction. Surface Science, 1991, 250, L363-L367.	0.8	16
94	Strain in buried self-assembled SiGe wires studied by grazing-incidence x-ray diffraction. Physical Review B, 2002, 65, .	1.1	16
95	Observation of asymmetric distributions of magnetic singularities across magnetic multilayers. Physical Review B, 2017, 95, .	1.1	16
96	A new CO adsorption state on thermally treated model catalysts. Surface Science, 1986, 178, 850-855.	0.8	15
97	The early stages of growth of crystalline, diamond-like films on Si(100) by pulsed laser evaporation of graphite. Surface Science, 1991, 251-252, 960-964.	0.8	15
98	Grazing incidence small-angle X-ray scattering from laterally ordered triangular pyramidal Ge islands on Si(111). Journal of Applied Crystallography, 2000, 33, 433-436.	1.9	15
99	Structure and Pt magnetism of FePt nanoparticles investigated with X-ray diffraction. Journal of Magnetism and Magnetic Materials, 2003, 264, 202-208.	1.0	15
100	Time evolution of the local slope during Cu(110) ion sputtering. Physical Review B, 2003, 68, .	1.1	15
101	Generation of surface steps on Pt(977) induced by the catalytic oxidation of CO. Journal of Catalysis, 2014, 309, 33-37.	3.1	15
102	The first stages of epitaxial growth of Pb atoms on Cu(100) studied by scattering of thermal helium. Surface Science, 1986, 178, 917-926.	0.8	14
103	Helium scattering study of the growth mechanism and phase transitions of Pb overlayers on Cu(100). Journal of Applied Physics, 1987, 61, 1239-1241.	1.1	14
104	Pokrovsky-Talapov commensurate-incommensurate transition in the CO/Pd(100) system. Physical Review B, 1996, 54, 17097-17101.	1.1	14
105	Application of the "direct methods" difference sum function to the solution of reconstructed surfaces. Surface Science, 1999, 423, 338-345.	0.8	14
106	In situ x-ray scattering study of Ag(110) nanostructuring by ion erosion. Physical Review B, 2002, 65, .	1.1	14
107	Interface-driven manipulation of the magnetic anisotropy of ultrathin Co films on Pt(111): Substrate deposition of hydrogen and model calculations. Physical Review B, 2010, 81, .	1.1	14
108	Solving the Long-Standing Controversy of Long-Chain Alkanethiols Surface Structure on Au(111). Journal of Physical Chemistry C, 2018, 122, 3893-3902.	1.5	14

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109	Isotope exchange studies of the oxidation and reduction of SrTiO <sub>3</sub> single crystal surfaces by water and hydrogen. <i>Surface Science</i> , 1980, 97, L304-L308.	0.8	13
110	Vibrational Anisotropy of a CO Monolayer on Ni(110). <i>Europhysics Letters</i> , 1995, 32, 37-42.	0.7	13
111	Slits as Adjustable Pinholes for Coherent X-ray Scattering Experiments. <i>Journal of Synchrotron Radiation</i> , 1997, 4, 210-213.	1.0	13
112	Ultraviolet photoelectron spectroscopy study of the adsorption of oxygen on reduced SrTiO <sub>3</sub> surfaces. <i>Journal of Applied Physics</i> , 1981, 52, 4792-4794.	1.1	12
113	The effect of argon bombardment on the oxidation of Fe(110) by oxygen and water. <i>Solid State Communications</i> , 1982, 44, 1461-1463.	0.9	12
114	Helical surface magnetization in nanowires: the role of chirality. <i>Nanoscale</i> , 2020, 12, 17880-17885.	2.8	12
115	Two-layer behaviour during low-energy ion ablation of CdTe(001) studied by in situ X-ray diffraction and by Monte Carlo simulation. <i>Europhysics Letters</i> , 1996, 36, 271-276.	0.7	11
116	Effect of a surfactant in homoepitaxial growth of Ag (001): dendritic versus faceted island morphologies. <i>Surface Science</i> , 2000, 464, 165-175.	0.8	11
117	Stacking reversal as a source of perpendicular magnetic anisotropy in Ni-Pt multilayers. <i>Physical Review B</i> , 2003, 67, .	1.1	11
118	Line shape analysis and relaxation energies in the MVV Auger spectra of zinc and zinc oxide. <i>Surface Science</i> , 1977, 64, 668-680.	0.8	10
119	Scanning-tunneling-microscopy study of the Au(334) surface in air. <i>Physical Review B</i> , 1987, 35, 3036-3038.	1.1	10
120	Epitaxy of Pt on Au(001): Growth mode, interface state and Pt core-level shifts. <i>Surface Science</i> , 1988, 198, L365-L374.	0.8	10
121	Disordering of the low-temperature $c(4\sqrt{2})$ structure of Ge(001) to the $(2\sqrt{2})$ reconstruction: Evidence for a mean-field transition. <i>Physical Review B</i> , 1996, 54, 5581-5585.	1.1	10
122	X-Ray Observation of a Chemical Order Driven Morphological Transition on the Surface of an A3B Type Alloy. <i>Physical Review Letters</i> , 1997, 78, 3003-3006.	2.9	10
123	Co/Pt(110) interface: An x-ray-diffraction study. <i>Physical Review B</i> , 1999, 59, 2431-2435.	1.1	10
124	Atomic relaxations near surface steps on Pt(977). <i>Physical Review B</i> , 2001, 64, .	1.1	10
125	Electrochemical Au deposition on stepped Si(111)-H surfaces: 3D versus 2D growth studied by AFM and X-ray diffraction. <i>Surface Science</i> , 2009, 603, 1212-1220.	0.8	10
126	Core level photoemission study of Au deposited on Pt(111) in the submonolayer range. <i>Surface Science</i> , 1985, 160, L488-L492.	0.8	9



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127	The initial stage of epitaxial growth of Ge on Ge(111) as studied by X-ray diffraction. Surface Science, 1992, 264, 281-291.	0.8	9
128	Evaluation of the anticlasic curvature of elastically bent crystals for X-ray focusing optics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 311, 444-447.	0.7	9
129	Role of the plasma in the growth of amorphous carbon films by pulsed laser deposition. Journal of Applied Physics, 1998, 84, 572-576.	1.1	9
130	Water/methanol solutions characterized by liquid jet XPS and DFT—The methanol hydration case. Journal of Molecular Liquids, 2020, 300, 112258.	2.3	9
131	Auger line shape analysis of temperature dependent evolution of nitrogen-implanted (110) copper. Solid State Communications, 1977, 24, 339-342.	0.9	8
132	Epitaxial growth of diamond-like films on Si(100) by pulsed-laser evaporation of graphite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1992, 11, 337-340.	1.7	8
133	Beam monitor for undulator white radiation in the hard X-ray range. Review of Scientific Instruments, 1995, 66, 1879-1881.	0.6	8
134	Interaction of CO with the reconstructed Au(111) surface near atmospheric pressures. Physical Review B, 2000, 62, R2295-R2298.	1.1	8
135	Low-temperature growth favours hcp structure, flatness and perpendicular magnetic anisotropy of thin (5 nm) Co films on Pt(111). Journal of Physics Condensed Matter, 2005, 17, 5551-5561.	0.7	8
136	FERROMAGNETISM IN EPITAXIAL TRANSITION METAL FILMS. Journal De Physique Colloque, 1988, 49, C8-1657-C8-1658.	0.2	8
137	Auger study of phosphorus and phosphorus compounds on a copper surface. Surface Science, 1978, 72, 433-443.	0.8	7
138	Mono- and multiatomic steps with constant periodicity as observed by STM in vicinal Au(111) surfaces. Journal of Microscopy, 1988, 152, 697-701.	0.8	7
139	Neutron-diffraction study on the field dependent magnetic ordering in Co/Cu superlattices. Journal of Magnetism and Magnetic Materials, 1991, 93, 89-94.	1.0	7
140	Scanning tunneling microscopy observation of the initial stages of growth of carbon films grown by pulsed laser vaporization of graphite. Ultramicroscopy, 1992, 42-44, 616-623.	0.8	7
141	Magnetization of Pt in the Co/Pt(110) system investigated with surface x-ray magnetic diffraction: Evidence for in-plane magnetic anisotropy. Physical Review B, 1999, 60, 10193-10198.	1.1	7
142	In-Plane X-Ray Diffraction Study of the C60/Au(110) p(6 $\sqrt{2}$ × 5) Reconstructed Surface by Direct Methods. Physica Status Solidi (B): Basic Research, 1999, 215, 773-777.	0.7	7
143	The structure of polypyridine. Synthetic Metals, 2001, 124, 393-398.	2.1	7
144	The interaction of gas molecules at atmospheric pressures with surfaces investigated with surface X-ray diffraction. Surface Science, 2001, 482-485, 101-106.	0.8	7

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145	Ultrathin Pt films on Ni(111): Structure determined by surface x-ray diffraction. Physical Review B, 2003, 68, .	1.1	7
146	Stress, Strain and Magnetic Anisotropy: All Is Different in Nanometer Thin Films. Advances in Solid State Physics, 0, , 547-562.	0.8	7
147	Nanofabrication of Fresnel zone plate lenses for X-ray optics. Microelectronic Engineering, 2006, 83, 1355-1359.	1.1	7
148	The surface topography of pyrolytic carbons and of gold thin films by scanning tunneling microscopy: Grain boundaries and surface defects. Thin Solid Films, 1987, 154, 65-73.	0.8	6
149	Epitaxial growth of metals: from monolayer to superlattice. Vacuum, 1990, 41, 482-484.	1.6	6
150	Real examples of surface reconstructions determined by direct methods. Journal of Physics Condensed Matter, 2002, 14, 4075-4086.	0.7	6
151	Integrating UHV (Ultra High Vacuum) and HTS (High Temperature Superconducting) magnets for x-ray synchrotron based experiments. Journal of Physics: Conference Series, 2013, 425, 102003.	0.3	6
152	Temperature dependent photoelectron diffraction of the Si(001) surface. Surface Science, 1994, 307-309, 775-780.	0.8	5
153	Atomic Scale Engineering of Superlattices and Magnetic Wires. Materials Research Society Symposia Proceedings, 1995, 384, 49.	0.1	5
154	Measurement of the magnetism of a single atomic plane with X-ray diffraction. Physica B: Condensed Matter, 1998, 248, 9-13.	1.3	5
155	Focusing and defocusing using mechanically corrected mirrors at the MX beamline at Alba. Journal of Physics: Conference Series, 2013, 425, 052016.	0.3	5
156	Diffusion of metallic atoms through thin oxides in metallic substrates. Surface Science, 1985, 162, 558-562.	0.8	4
157	X-ray intensity oscillations occurring during growth of Ge on Ge(111)-a comparison with RHEED. Journal of Physics Condensed Matter, 1989, 1, SB213-SB214.	0.7	4
158	Epitaxial growth of metals studied with thermal energy atom scattering. Vacuum, 1990, 41, 464-466.	1.6	4
159	Ultrahigh vacuum compatible position and shape monitor for high brilliance synchrotron radiation beams. Review of Scientific Instruments, 1995, 66, 1882-1884.	0.6	4
160	Ion etching of Ag(110) studied by X-ray and STM. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 590-595.	0.6	4
161	A concept for the Spanish light source "ALBA". Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 28-34.	0.7	4
162	Cycloidal Domains in the Magnetization Reversal Process of $\text{Ni}_{80}\text{Fe}_{20}$ . Physical Review Applied, 2018, 10, .	1.5	4

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