

Giorgio Paolucci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5912003/publications.pdf>

Version: 2024-02-01

133
papers

3,895
citations

156536

32
h-index

169272

56
g-index

135
all docs

135
docs citations

135
times ranked

3582
citing authors

#	ARTICLE	IF	CITATIONS
1	Operational status of the X-ray powder diffraction beamline at the SESAME synchrotron. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 532-539.	1.0	10
2	Emergence of the first XAFS/XRF beamline in the Middle East: providing studies of elements and their atomic/electronic structure in pluridisciplinary research fields. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 1107-1113.	1.0	8
3	The first infrared beamline at the Middle East SESAME synchrotron facility. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1927-1934.	1.0	5
4	The SESAME materials science beamline for XRD applications. <i>Powder Diffraction</i> , 2017, 32, S6-S12.	0.4	5
5	Status of the crystallography beamlines at Elettra. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	141
6	Phenylacetylene adsorption on Rh(100): a photoemission and photoabsorption investigation. <i>Chemical Physics</i> , 2005, 310, 43-49.	0.9	16
7	Unexpected Behavior of the Surface Composition of PtRh Alloys during Chemical Reaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 5671-5674.	6.6	18
8	Electronic structure of platinum complex/Zn-porphyrinato assembled macrosystems, related precursors and model molecules, as probed by X-ray absorption spectroscopy (NEXAFS): theory and experiment. <i>Chemical Physics</i> , 2004, 296, 87-100.	0.9	47
9	XPS, NEXAFS and theoretical study of phenylacetylene adsorbed on Cu(100). <i>Chemical Physics</i> , 2004, 302, 43-52.	0.9	34
10	Adsorption of CO ₂ and Coadsorption of H and CO ₂ on Potassium-Promoted Cu(115). <i>ChemPhysChem</i> , 2003, 4, 466-473.	1.0	12
11	Real-time X-ray photoelectron spectroscopy of surface reactions. <i>Surface Science Reports</i> , 2003, 49, 169-224.	3.8	126
12	Core level spectra of amorphous carbon nitride. <i>Journal of Chemical Physics</i> , 2003, 118, 3748-3755.	1.2	16
13	A supersonic molecular beam for gas-surface interaction studies with synchrotron radiation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002, 20, 683-687.	0.9	7
14	Photoelectron diffraction study of the low-temperature low-coverage oxygen layer on Rh(110). <i>Physical Review B</i> , 2002, 66, .	1.1	20
15	Core Level Photoemission Evidence of Frustrated Surface Molecules: A Germ of Disorder at the (111) Surface of C ₆₀ before the Order-Disorder Surface Phase Transition. <i>Physical Review Letters</i> , 2002, 88, 196102.	2.9	16
16	TRACKING THERMALLY DRIVEN MOLECULAR REACTION AND FRAGMENTATION BY FAST PHOTOEMISSION: C ₆₀ on Si(111). <i>Surface Review and Letters</i> , 2002, 09, 775-781.	0.5	9
17	ANGLE-SCANNED PHOTOELECTRON DIFFRACTION: FROM CLEAN SURFACES TO COMPLEX ADSORPTION SYSTEMS. <i>Surface Review and Letters</i> , 2002, 09, 741-747.	0.5	3
18	Investigation of resonant photoemission from GdCu ₂ and Gd ₅ Si ₄ . <i>Surface Science</i> , 2002, 497, 29-36.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Formation of channels for oxygen migration towards subsurface sites by CO oxidation and growth of the surface oxide phase on Ag(). Surface Science, 2002, 506, 213-222.	0.8	23
20	A new detector for photon beam position monitoring designed for synchrotron radiation beamlines. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 317-322.	0.7	2
21	Thiophene-containing organometallic polymers studied by near-edge x-ray absorption spectroscopy. Surface and Interface Analysis, 2002, 34, 588-592.	0.8	9
22	A photoemission study of the SO ₂ adsorption on TiO ₂ (110) surfaces. Surface Science, 2001, 482-485, 9-14.	0.8	34
23	Tuning the charge state of a C ₆₀ single layer on Ag(1 0 0) by Na deposition. Surface Science, 2001, 482-485, 606-611.	0.8	6
24	K ₃ C ₆₀ : a strongly correlated metal with molecular disorder. Surface Science, 2001, 482-485, 476-481.	0.8	2
25	The photochemistry of CH ₄ adsorbed on Pt(1 1 1) studied by high resolution fast XPS. Surface Science, 2001, 482-485, 134-140.	0.8	30
26	Vibrational fine structure on C _{1s} core-level photoemission: Ni(111)-acetylene and Ni(111)-2-butyne. Surface Science, 2001, 488, 43-51.	0.8	11
27	Adsorption and desorption of SO ₂ on the TiO ₂ (110)-(1 \times 1) surface: a photoemission study. Physical Review B, 2001, 64, .	1.1	62
28	BACH, the beamline for advanced dichroic and scattering experiments at ELETTRA. Review of Scientific Instruments, 2001, 72, 1313.	0.6	101
29	First results of the novel photon beam position monitor for undulator beamlines of Elettra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 221-225.	0.7	2
30	Photoelectron spectroscopy for the study of reactions on surfaces. Journal of Physics Condensed Matter, 2001, 13, 11293-11303.	0.7	5
31	Reply to "Comment on "Correlation of x-ray absorption and x-ray photoemission spectroscopies in amorphous carbon nitride" ". Physical Review B, 2001, 64, .	1.1	5
32	Order-disorder character of the (3 \times 3) to (3 \times 3)R30 \circ phase transition of Sn on Ge(111). Physical Review B, 2001, 64, .	1.1	27
33	Structural investigation of the Rh(110)-c(2 \times 2)-CN phase. Physical Review B, 2001, 64, .	1.1	12
34	Oxygen adsorption and ordering on Ru(101 $\bar{1}$ 0). Physical Review B, 2001, 63, .	1.1	30
35	Oxygen-induced Rh _{3d5/2} surface core-level shifts on Rh(111). Physical Review B, 2001, 63, .	1.1	72
36	Localization of 3d electrons in thin Mn and Mn-oxide films by resonant photoemission. Physical Review B, 2001, 63, .	1.1	13

#	ARTICLE	IF	CITATIONS
37	Transient CO adsorption and the catalytic properties of surfaces. <i>Physical Review B</i> , 2001, 63, .	1.1	24
38	Surface and Bulk Normal State Transport Properties in K ₃ C ₆₀ . <i>Physical Review Letters</i> , 2001, 87, 076401.	2.9	28
39	<title>Optical layout of BACH: a beamline for advanced dichroism at Elettra</title>. , 2000, , .		0
40	NEXAFS spectroscopy investigation on the electronic structure of newly synthesized Pt(II)/Zn-porphyrinato assemblies. <i>Surface and Interface Analysis</i> , 2000, 30, 407-409.	0.8	4
41	Dissociation of CO and formation of carbonate on a stepped, K-modified Cu(115) surface. <i>Chemical Physics Letters</i> , 2000, 322, 247-254.	1.2	20
42	Morphology and magnetic properties of thin films of Rh on highly oriented pyrolytic graphite. <i>Physical Review B</i> , 2000, 63, .	1.1	13
43	Temperature dependence of the electronic properties of K ₃ C ₆₀ and K ₄ C ₆₀ single-phase films investigated by means of electron spectroscopies. <i>Journal of Chemical Physics</i> , 2000, 113, 8266-8275.	1.2	24
44	Chemical Shift Resolved Photoionization Cross Sections of Amorphous Carbon Nitride. <i>Physical Review Letters</i> , 2000, 85, 2132-2135.	2.9	27
45	Effects of the interatomic-potential anharmonicity on the bulk and surface photoemission core levels. <i>Physical Review B</i> , 2000, 61, 12713-12716.	1.1	9
46	Phase transition of dissociatively adsorbed oxygen on Ag(001). <i>Physical Review B</i> , 2000, 61, 213-227.	1.1	108
47	Formation and stability of the Cu(110)+c(2 $\sqrt{2}$ -Si surface alloy studied by high resolution XPS. <i>Surface Science</i> , 2000, 454-456, 778-782.	0.8	11
48	Is the Rh(100) surface ferromagnetic or super-paramagnetic?. <i>Surface Science</i> , 2000, 454-456, 925-929.	0.8	12
49	Identification of atomic adsorption site by means of high-resolution photoemission surface core-level shift: oxygen on Ru(10 $\bar{1}$,0). <i>Surface Science</i> , 2000, 457, L354-L360.	0.8	23
50	Structural determination of molecules adsorbed in different sites by means of chemical shift photoelectron diffraction: c(4 $\sqrt{2}$ -CO on Pt(111). <i>Surface Science</i> , 2000, 459, L467-L474.	0.8	41
51	X-ray photoelectron spectroscopy studies of novel π -conjugated ethynyl thiophene containing Pd(II) complexes and of their interaction with chromium. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 248-256.	0.9	8
52	On the Coverage-Dependent Adsorption Geometry of Benzene Adsorbed on Pd{111}: A Study by Fast XPS and NEXAFS. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11729-11733.	1.2	63
53	Experimental Evidence of Magnetic Ordering at the Rh(100) Surface. <i>Physical Review Letters</i> , 1999, 82, 3156-3159.	2.9	43
54	Atomic origin of the Si core-level photoemission components in the C(2 $\sqrt{2}$ -Si-Cu(110) surface alloy. <i>Physical Review B</i> , 1999, 59, 3070-3074.	1.1	23

#	ARTICLE	IF	CITATIONS
55	Phase transition, molecular motions, and inequivalent carbon atoms in C_{60} (111) single-phase ordered films. <i>Physical Review B</i> , 1999, 59, 16071-16075.	1.1	14
56	Oxygen Induced Reconstruction of the Rh(100) Surface: General Tendency Towards Threefold Oxygen Adsorption Site on Rh Surfaces. <i>Physical Review Letters</i> , 1999, 82, 4874-4877.	2.9	54
57	An embedded control and acquisition system for multichannel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 431, 338-346.	0.7	37
58	Reactivity of the nitro-group of a π -conjugated polymer upon the interface formation with chromium: a photoelectron spectroscopy investigation. <i>Applied Surface Science</i> , 1999, 153, 10-18.	3.1	14
59	Correlation of x-ray absorption and x-ray photoemission spectroscopies in amorphous carbon nitride. <i>Physical Review B</i> , 1999, 60, R3705-R3708.	1.1	106
60	Effects of atomic diffusion processes in Co-Cu multilayer granular films. <i>Scripta Materialia</i> , 1999, 11, 769-774.	0.5	0
61	A photoelectron diffraction method to evaluate in-plane atomic distances at surfaces: the two atoms approximation. <i>Surface Science</i> , 1999, 429, 298-308.	0.8	2
62	The interaction of C_{60} with Ag(100): strong predominantly ionic bonding. <i>Surface Science</i> , 1999, 437, 353-361.	0.8	32
63	In Situ Observation of a Surface Chemical Reaction by Fast X-Ray Photoelectron Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999, 121, 7969-7970.	6.6	21
64	High resolution NEXAFS spectroscopy study of gas-phase phenylacetylene: experiment and theory. <i>Chemical Physics Letters</i> , 1998, 288, 37-46.	1.2	28
65	Further insight in chromium growth on the surface of an organometallic polymer film. <i>Chemical Physics Letters</i> , 1998, 292, 515-523.	1.2	10
66	Adsorption and temperature-dependent decomposition of SO_2 on Ni(110): an XPS and XAFS study. <i>Surface Science</i> , 1998, 405, 215-227.	0.8	31
67	Reply to "Comment on 'Temperature programmed X-ray photoelectron spectroscopy: a new technique for the study of surface kinetics'" by S. Nettesheim, M. Handschuh and R. Zenobi. <i>Surface Science</i> , 1998, 401, L455-L456.	0.8	1
68	LEED structural determination of the $c(2\sqrt{3}\times\sqrt{3})$ surface alloy. <i>Surface Science</i> , 1998, 407, 268-274.	0.8	20
69	NO adsorption on the Rh(110) surface: kinetics and composition of the adlayer studied by fast XPS. <i>Surface Science</i> , 1998, 410, 228-236.	0.8	39
70	Origin of the buckling in the $c(2\sqrt{3}\times\sqrt{3})$ -Si/Cu(110) surface alloy. <i>Physical Review B</i> , 1998, 57, 4493-4499.	1.1	14
71	Anharmonic contribution to the temperature dependence of photoemission core-level spectroscopy of adsorbates on surfaces: Oxygen on Rh(110). <i>Physical Review B</i> , 1998, 57, 3811-3814.	1.1	15
72	CeB_6 and $CeCu_6$ single crystals probed by resonant photoemission spectroscopy: A comparison between the two electronic structures. <i>Physical Review B</i> , 1997, 55, 9207-9210.	1.1	12

#	ARTICLE	IF	CITATIONS
73	STRUCTURAL DETERMINATION OF THE Si/Cu(110) INTERFACE BY PHOTOELECTRON DIFFRACTION. Surface Review and Letters, 1997, 04, 1331-1335.	0.5	1
74	LATEST PHOTOEMISSION DEVELOPMENTS: TIME RESOLUTION, MICROANALYSIS, ORDER PARAMETERS. Surface Review and Letters, 1997, 04, 695-701.	0.5	5
75	Oxygen on Pd(110): substrate reconstruction and adsorbate geometry by tensor LEED. Surface Science, 1997, 375, 150-160.	0.8	37
76	Fe 2p photoemission magnetic dichroism with linearly polarized synchrotron radiation and with unpolarized Al K α radiation. Surface Science, 1997, 377-379, 440-444.	0.8	6
77	Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA. Surface Science, 1997, 377-379, 735-743.	0.8	4
78	High-resolution XPS and NEXAFS study of SO ₂ adsorption on Pt(111): two surface SO ₂ species. Surface Science, 1997, 381, L568-L572.	0.8	63
79	Oxygen and carbon monoxide interactions on Rh(110) studied by real-time X-ray photoemission spectroscopy. Surface Science, 1997, 385, 376-385.	0.8	19
80	The structure of the MoN surface compound on Fe-3.5%Mo-N(100) studied by X-ray photoelectron diffraction: first results from ELETTRA. Vacuum, 1997, 48, 351-355.	1.6	11
81	Surface investigation of lubricant-metal interactions by synchrotron photoemission spectroscopy. Applied Surface Science, 1997, 108, 359-364.	3.1	14
82	A photoelectron spectroscopic study of the interface formation between chromium and a palladium-intercalated polymer film. Chemical Physics Letters, 1997, 267, 384-390.	1.2	14
83	Ultrabright Synchrotron Source ELETTRA: First Period of Operation. Acta Physica Polonica A, 1997, 91, 631-640.	0.2	2
84	Temperature programmed X-ray photoelectron spectroscopy: a new technique for the study of surface kinetics. Surface Science, 1996, 367, L67-L72.	0.8	68
85	Formation of Active Carbon Layers onPt(111) by Electron Bombardment ofCO. Surface and Interface Analysis, 1996, 24, 321-326.	0.8	2
86	Real-time X-ray photoelectron spectroscopy study of dissociative oxygen adsorption on Rh(110). Chemical Physics Letters, 1996, 261, 253-260.	1.2	24
87	Adsorption and temperature-dependent decomposition ofSO ₂ on Cu(100) and Cu(111): A fast and high-resolution core-level spectroscopy study. Physical Review B, 1996, 53, 13720-13724.	1.1	64
88	Structural determination of the Pd{110}(2 \times 1)p2mg-CO system by means of high-energy x-ray photoelectron diffraction. Physical Review B, 1996, 54, 2839-2845.	1.1	13
89	Time resolved core level photoemission experiments with synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 145-149.	0.8	109
90	Super ESCA: First beamline operating at ELETTRA. Review of Scientific Instruments, 1995, 66, 1618-1620.	0.6	78

#	ARTICLE	IF	CITATIONS
91	The influence of d electrons on surface plasmon dispersion: Pd(110). Journal of Physics Condensed Matter, 1995, 7, L611-L618.	0.7	9
92	A LabVIEW-based control system for a surface science experimental station. Measurement Science and Technology, 1994, 5, 1002-1011.	1.4	8
93	Adsorption Site Determination by Means of Surface Core Level Shift High Energy Photoelectron Diffraction: Pd(110)(2 \times 1) p2mg \hat{a} ''CO. Physical Review Letters, 1994, 73, 90-93.	2.9	50
94	NO dissociation on Rh(110). Surface Science, 1994, 317, 117-123.	0.8	19
95	Effect of the reaction conditions on the stability and structure of nitrogen layers on Rh(110) surfaces. Applied Surface Science, 1993, 64, 185-196.	3.1	38
96	CO adsorption on unreconstructed and reconstructed Rh(110) surfaces: LEED and XPS studies. Surface Science, 1993, 295, 287-294.	0.8	37
97	Band structure of lead sulphide. Journal of Physics Condensed Matter, 1992, 4, 6759-6768.	0.7	30
98	Metastable (1 \times 2) and (1 \times 3) reconstructions of Pd(110). Surface Science, 1992, 260, L24-L27.	0.8	47
99	Auger lineshape analysis as a tool to study surface reactions: kinetics of the dissociation of NO on Rh(110). Surface Science, 1992, 260, 1-6.	0.8	8
100	Adsorption of oxygen on Rh(110): a LEED, Auger electron spectroscopy and thermal desorption study. Surface Science, 1992, 260, 7-13.	0.8	73
101	Nitrogen layers on Rh(110)1 \times 1 and Rh(110)1 \times 2 surfaces produced by NO + H ₂ reaction: structure, stability and desorption kinetics. Surface Science, 1992, 277, 31-42.	0.8	31
102	Interaction of atomic nitrogen with Rh(110). Surface Science, 1992, 276, 144-155.	0.8	21
103	Adsorption of oxygen on Rh(110) and reactivity of different overlayer structures. Surface Science, 1992, 269-270, 360-364.	0.8	55
104	(1 \times n) reconstruction of the Rh (110) surface with n = 2, 3, 4, 5. Chemical Physics Letters, 1992, 188, 237-240.	1.2	63
105	M _{4,5} absorption edge of Ag, Pd, and Rh by reflection electron-energy-loss spectroscopy: Role of nondipole transitions. Physical Review B, 1991, 44, 10888-10891.	1.1	7
106	Adsorbate-induced surface core-level shifts of Pd(110). Physical Review B, 1991, 43, 14385-14389.	1.1	34
107	Conceptual study of a toroidal electrostatic analyzer suitable for time-resolved XPS experiments with high flux synchrotron radiation sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 291, 140-145.	0.7	0
108	Synchrotron radiation photoemission study of adsorbate-induced 3d core level shifts of Pd(110). Progress in Surface Science, 1990, 35, 71-74.	3.8	2

#	ARTICLE	IF	CITATIONS
109	Surface core-level shift of lead sulfide. <i>Physical Review B</i> , 1990, 41, 3851-3853.	1.1	24
110	Near-edge x-ray-absorption fine-structure spectroscopy measurement of the p-symmetry unoccupied states of silver, palladium, and palladium silicide. <i>Physical Review B</i> , 1990, 41, 3862-3865.	1.1	13
111	Versatile low-cost digital lock-in amplifier suitable for multichannel phase-sensitive detection. <i>Review of Scientific Instruments</i> , 1989, 60, 2257-2259.	0.6	13
112	Surface core level shifts of a II-VI compound: CdTe. <i>Surface Science</i> , 1988, 206, L871-L879.	0.8	32
113	The structure of the formate species on copper surfaces: new photoelectron diffraction results and SEXAFS data reassessed. <i>Surface Science</i> , 1988, 201, 228-244.	0.8	178
114	Band structure of a semimagnetic semiconducting alloy: A photoemission study of Cd _{1-x} MnxTe. <i>Physical Review B</i> , 1988, 38, 12353-12361.	1.1	9
115	Comparison between optically excited and electron-excited transitions above oxygen and nitrogen K edges in Cu ₂ O, O/Al, O/Ni, SiO ₂ , and Si ₃ N ₄ . <i>Physical Review B</i> , 1988, 38, 13355-13360.	1.1	8
116	Normal versus exchange inelastic electron scattering in metals: Theory and experiment. <i>Physical Review B</i> , 1987, 36, 4503-4506.	1.1	4
117	Spin-Exchange Processes in Inelastic Electron Scattering from Metals. <i>Physica Scripta</i> , 1987, T19B, 419-425.	1.2	3
118	Switching of the Au(110) reconstruction by Ag deposition and alloying. <i>Surface Science</i> , 1987, 189-190, 620-627.	0.8	11
119	Oxygen adsorption on silver (110): Dispersion, bonding and precursor state. <i>Surface Science</i> , 1986, 175, 101-122.	0.8	180
120	An X-ray absorption and photoelectron diffraction study of the Cu{100} c(2 $\sqrt{3}$ × 2) CO structure. <i>Surface Science</i> , 1986, 166, 221-233.	0.8	93
121	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
122	UPS determination of the bonding levels of carbonate on Ag(110). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1985, 37, 181-185.	0.8	20
123	Valence levels of the carbided Ni(110) surface. <i>Applications of Surface Science</i> , 1985, 22-23, 582-589.	1.0	18
124	f-f excitations by resonant electron-exchange collisions in rare-earth metals. <i>Physical Review Letters</i> , 1985, 55, 2995-2998.	2.9	32
125	Thermoreflectance investigation of zirconium hydrides in the face-centered-tetragonal phase. <i>Physical Review B</i> , 1985, 32, 2610-2613.	1.1	1
126	Analytical and experimental aspects of a thermomodulation set-up. <i>Journal Physics D: Applied Physics</i> , 1984, 17, 1889-1898.	1.3	1

#	ARTICLE	IF	CITATIONS
127	Photoemission band mapping via surface umklapp. Solid State Communications, 1984, 52, 937-940.	0.9	19
128	Aluminum collective excitations: Reflection electron energy loss results. Surface Science, 1984, 146, 241-255.	0.8	13
129	Oxygen adsorption on Ag(110): observation of a precursor state. Vacuum, 1983, 33, 867.	1.6	16
130	Alkali metal-induced reconstruction of Ag(110). Solid State Communications, 1983, 48, 325-328.	0.9	203
131	Thermoreflectance investigation of the antiferromagnetic and paramagnetic phases of Cr. Physical Review B, 1983, 27, 1653-1663.	1.1	15
132	Coadsorption Systems with Electrochemical Relevance: Coadsorption of Water with Oxygen, Bromine and Sodium on Cu(110). Physica Scripta, 1983, T4, 92-95.	1.2	3
133	Thermoreflectance investigation of Th band structure. Physical Review B, 1982, 25, 7110-7116.	1.1	3