Luca Lozzi

List of Publications by Year
in descending order

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199	6,038	71102	88630
papers	citations	41 h-index	70 g-index

200	200	200	6474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensors for sub-ppm NO2 gas detection based on carbon nanotube thin films. Applied Physics Letters, 2003, 82, 961-963.	3.3	480
2	XPS studies on SiOx thin films. Applied Surface Science, 1993, 70-71, 222-225.	6.1	252
3	NO2 and CO gas adsorption on carbon nanotubes: Experiment and theory. Journal of Chemical Physics, 2003, 119, 10904-10910.	3.0	221
4	NO2 sensitivity of WO3 thin film obtained by high vacuum thermal evaporation. Sensors and Actuators B: Chemical, 1996, 31, 81-87.	7.8	181
5	NO2 gas sensitivity of carbon nanotubes obtained by plasma enhanced chemical vapor deposition. Sensors and Actuators B: Chemical, 2003, 93, 333-337.	7.8	164
6	Highly sensitive and selective sensors based on carbon nanotubes thin films for molecular detection. Diamond and Related Materials, 2004, 13, 1301-1305.	3.9	146
7	Electronic spectrum of the high-temperature superconducting state. Physical Review Letters, 1991, 67, 2573-2576.	7.8	142
8	Sensitivity to NO2 and cross-sensitivity analysis to NH3, ethanol and humidity of carbon nanotubes thin film prepared by PECVD. Sensors and Actuators B: Chemical, 2003, 95, 195-202.	7.8	130
9	Thin and ultra-thin films of nickel phthalocyanine grown on highly oriented pyrolitic graphite: an XPS, UHV-AFM and air tapping-mode AFM study. Surface Science, 1997, 373, 318-332.	1.9	125
10	Carbon nanotubes as new materials for gas sensing applications. Journal of the European Ceramic Society, 2004, 24, 1405-1408.	5.7	125
11	Role of defects on the gas sensing properties of carbon nanotubes thin films: experiment and theory. Chemical Physics Letters, 2004, 387, 356-361.	2.6	121
12	Cross sensitivity and stability of NO2 sensors from WO3 thin film. Sensors and Actuators B: Chemical, 1996, 35, 112-118.	7.8	115
13	Carbamazepine degradation using a N-doped TiO 2 coated photocatalytic membrane reactor: Influence of physical parameters. Journal of Hazardous Materials, 2016, 310, 98-107.	12.4	115
14	Electronic structure of crystalline copper phthalocyanine. Journal of Chemical Physics, 2004, 121, 1883-1889.	3.0	97
15	Ozone adsorption on carbon nanotubes: The role of Stoneâ€“Wales defects. Journal of Chemical Physics, 2004, 120, 7147-7152.	3.0	91
16	SiOx surface stoichiometry by XPS: A comparison of various methods. Surface and Interface Analysis, 1994, 22, 89-92.	1.8	85
17	Reversible oxidation effects on carbon nanotubes thin films for gas sensing applications. Materials Science and Engineering C, 2003, 23, 523-529.	7.3	83
18	Microstructural effect on NO2 sensitivity of WO3 thin film gas sensors Part 1. Thin film devices, sensors and actuators. Thin Solid Films, 1996, 287, 258-265.	1.8	81

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19	Structural characterization of bulk ZnWO4 prepared by solid state method. Journal of Materials Science, 2000, 35, 4879-4883.	3.7	73
20	Effects of oxygen annealing on gas sensing properties of carbon nanotube thin films. Thin Solid Films, 2003, 436, 95-100.	1.8	72
21	Surface electron-energy-loss fine-structure investigation on the local structure of copper clusters on graphite. Physical Review B, 1987, 35, 5997-6003.	3.2	67
22	Impact of water quality on removal of carbamazepine in natural waters by N-doped TiO2 photo-catalytic thin film surfaces. Journal of Hazardous Materials, 2013, 244-245, 463-471.	12.4	67
23	Near-field electrospinning of light-emitting conjugated polymer nanofibers. Nanoscale, 2013, 5, 11637.	5.6	66
24	Surface electronic properties of polycrystalline WO3 thin films: a study by core level and valence band photoemission. Surface Science, 2003, 538, 113-123.	1.9	65
25	PMMA nanofibers production by electrospinning. Applied Surface Science, 2006, 252, 5583-5586.	6.1	65
26	Core level and valence band investigation of WO3 thin films with synchrotron radiation. Thin Solid Films, 2003, 436, 9-16.	1.8	58
27	Structural determination of crystalline silicon by extended energy-loss fine-structure spectroscopy. Physical Review B, 1989, 39, 8409-8422.	3.2	57
28	WO3/TiO2 composite coatings: Structural, optical and photocatalytic properties. Materials Research Bulletin, 2016, 83, 217-224.	5.2	57
29	The influence of air and vacuum thermal treatments on the NO2 gas sensitivity of WO3 thin films prepared by thermal evaporation. Thin Solid Films, 2001, 391, 224-228.	1.8	54
30	Aligned carbon nanotube thin films for DNA electrochemical sensing. Electrochimica Acta, 2009, 54, 5035-5041.	5.2	52
31	N-Doped TiO₂ Nanofibers Deposited by Electrospinning. Journal of Physical Chemistry C, 2012, 116, 18427-18431.	3.1	52
32	Formation of carbon nanotubes by plasma enhanced chemical vapor deposition: Role of nitrogen and catalyst layer thickness. Journal of Applied Physics, 2002, 92, 6188-6194.	2.5	50
33	Preparation and characterization of bulk ZnGa2O4. Journal of Materials Science, 1998, 33, 3969-3973.	3.7	48
34	Copper hexadecafluoro phthalocyanine and naphthalocyanine: The role of shake up excitations in the interpretation and electronic distinction of high-resolution X-ray photoelectron spectroscopy measurements. Journal of Electron Spectroscopy and Related Phenomena, 1999, 105, 145-154.	1.7	47
35	X-ray photoemission spectroscopy and scanning tunneling spectroscopy study on the thermal stability of WO3 thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1077-1082.	2.1	46
36	WO3 nanofibers for gas sensing applications. Journal of Applied Physics, 2007, 101, 124504.	2.5	46

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37	Interaction of methane with carbon nanotube thin films: role of defects and oxygen adsorption. Materials Science and Engineering C, 2004, 24, 527-533.	7.3	45
38	Bright light exposure reduces TH-positive dopamine neurons: implications of light pollution in Parkinson's disease epidemiology. Scientific Reports, 2013, 3, 1395.	3.3	44
39	The role of physical and operational parameters in photocatalysis by N-doped TiO2 solâ€“gel thin films. Chemical Engineering Journal, 2014, 257, 159-169.	12.7	44
40	Elucidating the 3d Electronic Configuration in Manganese Phthalocyanine. Journal of Physical Chemistry A, 2014, 118, 927-932.	2.5	43
41	Size effects on the linewidths of the Auger spectra of Cu clusters. Surface Science, 1986, 178, 282-289.	1.9	42
42	MS2 bacteriophage inactivation using a N-doped TiO2-coated photocatalytic membrane reactor: Influence of water-quality parameters. Chemical Engineering Journal, 2018, 354, 995-1006.	12.7	42
43	Ozone adsorption on carbon nanotubes:Ab initiocalculations and experiments. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1466-1470.	2.1	40
44	Thermally induced phase transition in crystalline lead phthalocyanine films investigated by XRD and atomic force microscopy. Applied Surface Science, 1998, 136, 81-86.	6.1	39
45	Effects of oxygen annealing on cross sensitivity of carbon nanotubes thin films for gas sensing applications. Sensors and Actuators B: Chemical, 2004, 100, 33-40.	7.8	38
46	Development of molecularly imprinted polymeric nanofibers by electrospinning and applications to pesticide adsorption. Journal of Separation Science, 2015, 38, 1402-1410.	2.5	38
47	The interaction of Cu(100)î—¸Fe surfaces with oxygen studied by X-ray photoelectron spectroscopy. Surface Science, 1994, 317, 295-302.	1.9	36
48	Sustainable Liquid-Phase Exfoliation of Layered Materials with Nontoxic Polarclean Solvent. ACS Sustainable Chemistry and Engineering, 2020, 8, 18830-18840.	6.7	36
49	PbPC growth on Si surfaces studied with XPS and various SPM techniques. Surface Science, 1997, 392, 52-61.	1.9	35
50	Enhanced Electrocatalytic Activity in GaSe and InSe Nanosheets: The Role of Surface Oxides. Advanced Functional Materials, 2020, 30, 2005466.	14.9	35
51	High resolution XPS studies on hexadecafluoro-copper-phthalocyanine deposited onto Si()7Ã—7 surface. Surface Science, 2001, 470, 265-274.	1.9	34
52	The comparative effect of two different annealing temperatures and times on the sensitivity and long-term stability of WO/sub 3/ thin films for detecting NO/sub 2/. IEEE Sensors Journal, 2003, 3, 171-179.	4.7	34
53	Investigation of the NO[sub 2] sensitivity properties of multiwalled carbon nanotubes prepared by plasma enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1996.	1.6	34
54	Characterisation of aerosol individual particles in a controlled underground area. Atmospheric Environment, 1999, 33, 3603-3611.	4.1	32

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55	STM investigation of the Î±-Sn/Si(111) phase at 120 K. Surface Science, 2000, 445, L41-L46.	1.9	32
56	Oxygen loss and recovering induced by ultrahigh vacuum and oxygen annealing on WO3 thin film surfaces: Influences on the gas response properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1467-1473.	2.1	32
57	Scanning Auger microscopy study of W tips for scanning tunneling microscopy. Review of Scientific Instruments, 2003, 74, 3368-3378.	1.3	32
58	Electrospun Cu-, W- and Fe-doped TiO2 nanofibres for photocatalytic degradation of rhodamine 6G. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	32
59	N-Doped TiO2-Coated Ceramic Membrane for Carbamazepine Degradation in Different Water Qualities. Nanomaterials, 2017, 7, 206.	4.1	32
60	Preparation of nitrogen doped TiO2 nanofibers by near field electrospinning (NFES) technique for NO2 sensing. Sensors and Actuators B: Chemical, 2013, 179, 107-113.	7.8	31
61	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. Nanomaterials, 2019, 9, 1598.	4.1	29
62	Au/CuPc interface: Photoemission investigation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1477-1481.	2.1	28
63	Well-aligned TiO[sub 2] nanofibers grown by near-field-electrospinning. Journal of Vacuum Science & Technology B, 2009, 27, 1829.	1.3	28
64	UPS and XPS studies of Cu clusters on graphite. Surface Science, 1994, 307-309, 922-926.	1.9	27
65	Rectifying behavior of siliconâ€“phthalocyanine junctions investigated with scanning tunneling microscopy/spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 1014-1019.	2.1	27
66	On the spatially resolved electronic structure of polycrystalline WO3 films investigated with scanning tunneling spectroscopy. Surface Science, 2001, 475, 73-82.	1.9	27
67	Electronic properties of crystalline and amorphous SiO2 investigated via all-electron calculations and photoemission spectroscopy. Solid State Communications, 1995, 95, 313-317.	1.9	26
68	Ar-dilution effects on the elastic and structural properties of hydrogenated hard carbon films deposited by plasma-enhanced chemical vapor deposition. Diamond and Related Materials, 2001, 10, 1088-1092.	3.9	25
69	Retinal long term neuroprotection by Cerium Oxide nanoparticles after an acute damage induced by high intensity light exposure. Experimental Eye Research, 2019, 182, 30-38.	2.6	25
70	Photoemission broadening of Fermi-liquid systems, and its relevance to high-temperature superconductors. Physical Review B, 1992, 45, 5438-5442.	3.2	23
71	Photoemission and theoretical investigations on NO2 doping of copper phthalocyanine thin films. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 101-105.	1.7	23
72	In situmanipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy. Physical Review B, 2007, 76, .	3.2	23

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73	Oxidation of the Fe/Cu(100) interface. Surface Science, 1995, 331-333, 703-709.	1.9	22
74	Hexadecafluoro-copper-phthalocyanine UHV deposited onto Si (111) 7Ã—7 substrate: an XPS study. Surface Science, 1998, 402-404, 518-522.	1.9	22
75	Investigation on electronic structure of Cu clusters on graphite by EELS and XPS studies. Solid State Communications, 1990, 74, 115-118.	1.9	21
76	Determination of stoichiometry of SiOx thin films using an Auger parameter. Thin Solid Films, 1992, 213, 158-159.	1.8	20
77	Relationship between the optical and mechanical properties of fluorinated amorphous carbon thin films. Journal of Non-Crystalline Solids, 2001, 291, 153-159.	3.1	20
78	Fluorescent light induces neurodegeneration in the rodent nigrostriatal system but near infrared LED light does not. Brain Research, 2017, 1662, 87-101.	2.2	20
79	Effects of fluorine incorporation on the properties of amorphous carbon/p-type crystalline silicon heterojunction diodes. Journal of Non-Crystalline Solids, 2003, 321, 175-182.	3.1	19
80	Surface characterisation and photocatalytic performance of N-doped TiO2 thin films deposited onto 200Ânm pore size alumina membranes by solâ€“gel methods. Materials Chemistry and Physics, 2015, 159, 25-37.	4.0	19
81	Growth of Te thin films deposited at room temperature on the Si(100)2 Ã— 1 surface. Journal of Electron Spectroscopy and Related Phenomena, 1995, 71, 39-45.	1.7	18
82	Catalytic role of adsorbates in the photoluminescence emission of Si nanocrystals. Physical Review B, 2008, 78, .	3.2	18
83	Structural, morphological, and mechanical properties of plasma deposited hydrogenated amorphous carbon thin films: Ar gas dilution effects. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1611-1616.	2.1	17
84	A deeper understanding of the photodesorption mechanism of aligned carbon nanotube thin films by impedance spectroscopy. Thin Solid Films, 2004, 449, 105-112.	1.8	17
85	Nanoceria Particles Are an Eligible Candidate to Prevent Age-Related Macular Degeneration by Inhibiting Retinal Pigment Epithelium Cell Death and Autophagy Alterations. Cells, 2020, 9, 1617.	4.1	17
86	NiPC/Si(111)(7 Ã— 7) STUDIED WITH XPS, STM AND TAPPING MODE AIR AFM. Surface Review and Letters, 1997, 04, 59-64.	1.1	16
87	Effect of nitrogen addition on the elastic and structural properties of amorphous carbon thin films. Thin Solid Films, 2001, 389, 315-320.	1.8	16
88	Fluorinated amorphous carbon thin films: Analysis of the role of the plasma source frequency on the structural and optical properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 2168-2173.	2.1	16
89	Investigation on copper phthalocyanine/multiwalled carbon nanotube interface. Journal of Applied Physics, 2008, 104, 033701.	2.5	16
90	Electronic structure investigation of biphenylene films. Journal of Chemical Physics, 2017, 146, 054705.	3.0	16

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91	Interaction of naphthalocyanine with oxygen and with Si(111)7Ã—7: an in-situ X-ray photoelectron spectroscopy study. Surface Science, 1999, 431, 242-251.	1.9	15
92	Electronic Structure of 1,3,5,7-Cyclooctatetraene Chemisorbed on Si(001)-2Ã—1 at 300 K Studied by PES, NEXAFS, and Resonant Valence Band Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 4967-4973.	2.6	15
93	Adsorption of oxidizing gases on multiwalled carbon nanotubes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1450-1454.	2.1	15
94	CuPc:C60 blend film: A photoemission investigation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1668-1675.	2.1	15
95	Extended electron energyâ€loss fine structure and selectedâ€area electron diffraction studies of small palladium clusters. Journal of Microscopy, 1992, 166, 231-245.	1.8	14
96	Electron spectroscopy investigation of Te thin films deposited at room temperature on Si(100) 2 Ã— 1. Surface Science, 1995, 331-333, 569-574.	1.9	14
97	XPS, LEED and AFM investigation of the Si(100) surface after the deposition and annealing of tellurium thin films. Surface Science, 1996, 352-354, 1027-1032.	1.9	14
98	Pulsed plasma-induced alignment of carbon nanotubes. Materials Letters, 2003, 57, 3699-3704.	2.6	14
99	Core edge energy loss studies of Pd clusters on graphite. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1989, 12, 417-420.	1.0	13
100	Surface stoichiometry determination of SiOxNy thin films by means of XPS. Surface and Interface Analysis, 1994, 22, 190-192.	1.8	13
101	The use of the Auger parameter in the characterisation of some silicon compounds. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 97-100.	1.7	13
102	A multitechnique study of archeological bronzes. Surface and Interface Analysis, 2008, 40, 464-468.	1.8	13
103	Au/CuPc interface: A valence band photoemission investigation. Journal of Chemical Physics, 2011, 134, 114709.	3.0	13
104	Cerium oxide nanoparticles reduce the accumulation of autofluorescent deposits in light-induced retinal degeneration: Insights for age-related macular degeneration. Experimental Eye Research, 2020, 199, 108169.	2.6	13
105	Electronic structure of Cr clusters on graphite. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 20, 387-390.	1.0	12
106	Structure and mechanical properties of argon assisted carbon nitride films. Thin Solid Films, 2001, 398-399, 124-129.	1.8	12
107	Effect of catalyst layer thickness and Ar dilution on the plasma deposition of multi-walled carbon nanotubes. Diamond and Related Materials, 2003, 12, 821-826.	3.9	12
108	Photoemission investigation on copper phthalocyanine:fullerene blend film. Applied Physics Letters, 2006, 88, 133505.	3.3	12

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109	Emerging oxidized and defective phases in low-dimensional CrCl₃. Nanoscale Advances, 2021, 3, 4756-4766.	4.6	12
110	1sshake-up x-ray photoelectron spectrum of Na in NaCl and other Na salts. Physical Review B, 1993, 48, 13430-13433.	3.2	11
111	X-ray photoelectron spectroscopy studies on hexadecafluoro-copper-phthalocyanine ultrathin films deposited onto Si(100) 2Ã—1. Surface Science, 1999, 433-435, 157-161.	1.9	11
112	Electrical transport properties of conjugated polymer onto self-assembled aligned carbon nanotubes. Diamond and Related Materials, 2003, 12, 1524-1531.	3.9	11
113	The effects of silicon nitride and silicon oxynitride intermediate layers on the properties of tantalum pentoxide films on silicon: X-ray photoelectron spectroscopy, X-ray reflectivity and capacitanceâ€“voltage studies. Journal of Non-Crystalline Solids, 2003, 322, 225-232.	3.1	11
114	Surface and in depth chemistry of polycrystalline WO/sub 3/ thin films studied by X-ray and soft X-ray photoemission spectroscopies. IEEE Sensors Journal, 2003, 3, 180-188.	4.7	11
115	XPS analysis on SiO2 sol-gel thin films. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 623-628.	1.7	10
116	Scanning tunneling microscopy and spectroscopy of tungsten oxide thin films in air. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 1639-1646.	2.1	10
117	Influence of plasma source frequency on composition and density of fluorinated amorphous carbon thin films. Materials Letters, 2001, 51, 514-518.	2.6	10
118	Structural and optical properties of nitrogen and oxygen doped a-C:H coatings. Thin Solid Films, 2002, 415, 195-200.	1.8	10
119	Controllable fabrication of aligned carbon nanotubes by pulsed plasma: selective positioning and electrical transport phenomena. Materials Letters, 2004, 58, 470-473.	2.6	10
120	Characterization of gas phase iron phthalocyanine with Xâ€ray photoelectron and absorption spectroscopies. Physica Status Solidi (B): Basic Research, 2015, 252, 1259-1265.	1.5	10
121	Layered amorphous a-SnO2 gas sensors by controlled oxidation of 2D-SnSe2. Sensors and Actuators B: Chemical, 2022, 350, 130890.	7.8	10
122	Bidimensional Engineered Amorphous a-SnO₂ Interfaces: Synthesis and Gas Sensing Response to H₂S and Humidity. ACS Sensors, 2022, 7, 2058-2068.	7.8	10
123	Production and characterization of multilayer KCl:LiF thin films on glass. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 1013-1016.	2.1	9
124	Study by X-ray photoelectron spectroscopy and X-ray diffraction of the growth of TiN thin films obtained by nitridation of Ti layers. Thin Solid Films, 1996, 290-291, 376-380.	1.8	9
125	Naphthalocyanine molecules onto Si(111)7Ã—7 and Si(100)2Ã—1: modes of adsorption investigated with XPS. Surface Science, 1999, 443, 227-237.	1.9	9
126	Properties of stacked dielectric films composed of SiO2/Si3N4/SiO2. Journal of Non-Crystalline Solids, 1999, 245, 224-231.	3.1	9

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127	Ar dilution effects on the elastic properties of hydrogenated amorphous hard-carbon films grown by plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2001, 89, 1003-1007.	2.5	9
128	Helium permeation througha-C:H films deposited on polymeric substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1647-1652.	2.1	9
129	Atomic contributions to the valence band photoelectron spectra of metal-free, iron and manganese phthalocyanines. Journal of Electron Spectroscopy and Related Phenomena, 2015, 205, 92-97.	1.7	9
130	Substitutional reactions in the surface chemistry of BiCaSrCuO. Solid State Communications, 1991, 80, 701-704.	1.9	8
131	1s shake-up excitations in NaF, NaCl, NaBr, and Na2SO4. Solid State Communications, 1994, 91, 555-558.	1.9	8
132	Influence of non-dipolar terms on the Cu L2,3 and M2,3 electron energy loss fine structure (EELFS) spectra in transmission and reflection mode. Journal of Electron Spectroscopy and Related Phenomena, 1996, 82, 1-12.	1.7	8
133	Nitrogen doping of fluorinated amorphous carbon thin films: structural and optical properties evolution upon thermal annealing. Thin Solid Films, 2002, 408, 291-296.	1.8	8
134	Structural and electrical properties of Ta2O5 thin films deposited on Si from Ta(OC2H5)5 precursor. Journal of Non-Crystalline Solids, 2003, 322, 233-239.	3.1	8
135	Extended fine-auger-structure investigation of discontinuous chromium films. Thin Solid Films, 1990, 193-194, 318-324.	1.8	7
136	Structural investigation of the Cr/Si interface. Surface Science, 1991, 251-252, 579-582.	1.9	7
137	Evidence for surface chemical reactions between gold and BiCaSrCuO. Applied Physics Letters, 1991, 59, 979-981.	3.3	7
138	Structural and electronic studies of clean and oxidized thin Fe films on polycrystalline copper. Surface and Interface Analysis, 1992, 18, 98-102.	1.8	7
139	L2,3 edges of chromium: comparison between electron energy loss spectra in transmission and reflection mode. Solid State Communications, 1992, 83, 921-925.	1.9	7
140	Three-body signature of the bcc structure in extended energy-loss spectra of Cr metal. Physical Review B, 1993, 47, 8494-8501.	3.2	7
141	Effect of thermal annealing on the electronic properties of nitrogen doped amorphous carbon/p-type crystalline silicon heterojunction diodes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 582-588.	2.1	7
142	Local structure of graphite by EELFS spectroscopy: Influence of multiple plasmons and orientational dependence. Surface Science, 1987, 189-190, 628-635.	1.9	6
143	Structural characterization of supported chromium clusters by extended energy-loss fine structure. Surface and Interface Analysis, 1990, 16, 14-17.	1.8	6
144	A structural investigation on evaporated small clusters of Cr by surface electron energy loss fine structure spectroscopy. Vacuum, 1990, 41, 356-358.	3.5	6

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145	Evidence for Pd bonding with Si intermediate oxidation states. Journal of Applied Physics, 1993, 73, 749-754.	2.5	6
146	Reactivity towards oxygen of surfaces investigated by ultraviolet photoelectron spectroscopy, X-ray photoelectron spectroscopy and low energy electron diffraction spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1995, 74, 129-134.	1.7	6
147	Growth and electronic structure of CuFPc on Si(). Surface Science, 2002, 507-510, 351-356.	1.9	6
148	XPS study of the FCuPc/SiO2 interface. Surface Science, 2003, 532-535, 976-981.	1.9	6
149	Soft-x-ray photoemission spectroscopy and ab initio studies on the adsorption of NO2 molecules on defective multiwalled carbon nanotubes. Journal of Chemical Physics, 2005, 123, 034702.	3.0	6
150	Eyes as Gateways for Environmental Light to the Substantia Nigra: Relevance in Parkinsonâ€™s Disease. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	6
151	Easy Fabrication of Performant SWCNT-Si Photodetector. Electronics (Switzerland), 2022, 11, 271.	3.1	6
152	Silicon K-edge studied by EELFS spectroscopy in reflection mode: Dipole versus multipole terms contributions. Surface Science, 1989, 211-212, 534-543.	1.9	5
153	Structural study of thin films by extended energyloss fine structure spectroscopy. Thin Solid Films, 1990, 193-194, 289-304.	1.8	5
154	Early stages of Schottky-barrier formation for Al deposited on GaAs(110). Physical Review B, 1992, 46, 10277-10283.	3.2	5
155	Compositional characterization of very thin SiO2/Si3N4/SiO2 stacked films by x-ray photoemission spectroscopy and time-of-flight-secondary-ion-mass spectroscopy techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 905-910.	2.1	5
156	Soft X-ray photoemission spectroscopy study on the interaction between CuFPc molecules and Si(1 1) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	5
157	Hydrogen concentrations and mass density obtained by X-ray and neutron reflectivity on hydrogenated amorphous carbon nitride thin films. Diamond and Related Materials, 2002, 11, 1188-1192.	3.9	5
158	Analysis of the role of fluorine content on the thermal stability of a-C:H:F thin films. Diamond and Related Materials, 2002, 11, 1100-1105.	3.9	5
159	Influence of nitrogen and temperature on the plasma deposition of fluorinated amorphous carbon films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1210-1215.	2.1	5
160	RT growth of acetonitrile and acrylonitrile on Si(001)-2Ã—1 studied by XPS and LEED. Surface Science, 2003, 540, 55-62.	1.9	5
161	Fluorinated amorphous carbon thin films: Analysis of the role of the plasma excitation mode on the structural and mechanical properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1964-1970.	2.1	5
162	Fluorinated amorphous carbon films prepared by plasma enhanced chemical vapor deposition for solar cell applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1784-1790.	2.1	5

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163	Effect of thermal treatment on morphology and electrical transport properties of carbon nanotubes film. Journal of Physics: Conference Series, 2008, 100, 012012.	0.4	5
164	A multitechnique study of archaeological bronzes: part II. Surface and Interface Analysis, 2011, 43, 1120-1127.	1.8	5
165	Short-range-order investigation by low-energy electrons. Surface and Interface Analysis, 1990, 16, 111-117.	1.8	4
166	Extended fine Auger structure investigation of discontinuous copper films deposited on graphite. Surface Science, 1993, 287-288, 1087-1091.	1.9	4
167	X-ray reflectivity studies of very thin films of silicon oxide and silicon oxideâ€“silicon nitride stacked structures. Journal of Non-Crystalline Solids, 2001, 280, 228-234.	3.1	4
168	Extended energy loss fine structure and x-ray photoelectron spectroscopy studies of clean and oxidized Fe thin films on polycrystalline Cu. Surface and Interface Analysis, 1992, 19, 478-482.	1.8	3
169	Exafs like oscillations in X-ray excited autoionization spectra assisted by compton process. Solid State Communications, 1994, 90, 831-835.	1.9	3
170	EXFAS studies on the thermal behaviour of copper surface. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 223-227.	1.7	3
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