Luca Lozzi

List of Publications by Citations

194 papers	5,269 citations	39 h-index	65 g-index
200 ext. papers	5,662 ext. citations	3.4 avg, IF	4.98 L-index

#	Paper	IF	Citations
194	Sensors for sub-ppm NO2 gas detection based on carbon nanotube thin films. *Applied Physics Letters*, **2003**, 82, 961-963	3.4	434
193	NO2 and CO gas adsorption on carbon nanotubes: Experiment and theory. *Journal of Chemical Physics*, **2003**, 119, 10904-10910	3.9	199
192	XPS studies on SiOx thin films. *Applied Surface Science*, **1993**, 70-71, 222-225	6.7	198
191	NO2 sensitivity of WO3 thin film obtained by high vacuum thermal evaporation. *Sensors and Actuators B: Chemical*, **1996**, 31, 81-87	8.5	165
190	NO2 gas sensitivity of carbon nanotubes obtained by plasma enhanced chemical vapor deposition. *Sensors and Actuators B: Chemical*, **2003**, 93, 333-337	8.5	150
189	Electronic spectrum of the high-temperature superconducting state. *Physical Review Letters*, **1991**, 67, 2573-2576	7.4	131
188	Highly sensitive and selective sensors based on carbon nanotubes thin films for molecular detection. *Diamond and Related Materials*, **2004**, 13, 1301-1305	3.5	125
187	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	8.5	118
186	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	1.8	117
185	Carbon nanotubes as new materials for gas sensing applications. *Journal of the European Ceramic Society*, **2004**, 24, 1405-1408	6	115
184	Role of defects on the gas sensing properties of carbon nanotubes thin films: experiment and theory. *Chemical Physics Letters*, **2004**, 387, 356-361	2.5	113
183	Cross sensitivity and stability of NO2 sensors from WO3 thin film. *Sensors and Actuators B: Chemical* , **1996**, 35, 112-118	8.5	102
182	Carbamazepine degradation using a N-doped TiO2 coated photocatalytic membrane reactor: Influence of physical parameters. *Journal of Hazardous Materials*, **2016**, 310, 98-107	12.8	85
181	Ozone adsorption on carbon nanotubes: the role of Stone-Wales defects. *Journal of Chemical Physics*, **2004**, 120, 7147-52	3.9	85
180	Electronic structure of crystalline copper phthalocyanine. *Journal of Chemical Physics*, **2004**, 121, 1883-9	3.9	82
179	Reversible oxidation effects on carbon nanotubes thin films for gas sensing applications. *Materials Science and Engineering C*, **2003**, 23, 523-529	8.3	77
178	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	2.2	73

177	SiOx surface stoichiometry by XPS: A comparison of various methods. *Surface and Interface Analysis*, **1994**, 22, 89-92	1.5	70
176	Structural characterization of bulk ZnWO4 prepared by solid state method. *Journal of Materials Science*, **2000**, 35, 4879-4883	4.3	69
175	Effects of oxygen annealing on gas sensing properties of carbon nanotube thin films. *Thin Solid Films*, **2003**, 436, 95-100	2.2	65
174	Surface electron-energy-loss fine-structure investigation on the local structure of copper clusters on graphite. *Physical Review B*, **1987**, 35, 5997-6003	3.3	62
173	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, 463-71	12.8	60
172	Near-field electrospinning of light-emitting conjugated polymer nanofibers. *Nanoscale*, **2013**, 5, 11637-42	7.7	58
171	Surface electronic properties of polycrystalline WO3 thin films: a study by core level and valence band photoemission. *Surface Science*, **2003**, 538, 113-123	1.8	56
170	PMMA nanofibers production by electrospinning. *Applied Surface Science*, **2006**, 252, 5583-5586	6.7	55
169	Structural determination of crystalline silicon by extended energy-loss fine-structure spectroscopy. *Physical Review B*, **1989**, 39, 8409-8422	3.3	55
168	Core level and valence band investigation of WO3 thin films with synchrotron radiation. *Thin Solid Films*, **2003**, 436, 9-16	2.2	54
167	N-Doped TiO2 Nanofibers Deposited by Electrospinning. *Journal of Physical Chemistry C*, **2012**, 116, 18427-18431	4.8	49
166	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	2.2	49
165	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	47
164	Aligned carbon nanotube thin films for DNA electrochemical sensing. *Electrochimica Acta*, **2009**, 54, 5035-5041	6.7	45
163	WO3 nanofibers for gas sensing applications. *Journal of Applied Physics*, **2007**, 101, 124504	2.5	43
162	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	2.9	43
161	Preparation and characterization of bulk ZnGa2O4. *Journal of Materials Science*, **1998**, 33, 3969-3973	4.3	42
160	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	42

159	Elucidating the 3d electronic configuration in manganese phthalocyanine. *Journal of Physical Chemistry A*, **2014**, 118, 927-32	2.8	40
158	Interaction of methane with carbon nanotube thin films: role of defects and oxygen adsorption. *Materials Science and Engineering C*, **2004**, 24, 527-533	8.3	39
157	Size effects on the linewidths of the Auger spectra of Cu clusters. *Surface Science*, **1986**, 178, 282-289	1.8	39
156	WO 3 /TiO 2 composite coatings: Structural, optical and photocatalytic properties. *Materials Research Bulletin*, **2016**, 83, 217-224	5.1	39
155	The role of physical and operational parameters in photocatalysis by N-doped TiO2 sol□gel thin films. *Chemical Engineering Journal*, **2014**, 257, 159-169	14.7	36
154	Thermally induced phase transition in crystalline lead phthalocyanine films investigated by XRD and atomic force microscopy. *Applied Surface Science*, **1998**, 136, 81-86	6.7	36
153	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	8.5	35
152	Ozone adsorption on carbon nanotubes: Ab initio calculations and experiments. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 1466-1470	2.9	33
151	Investigation of the NO2 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		32
150	PbPC growth on Si surfaces studied with XPS and various SPM techniques. *Surface Science*, **1997**, 392, 52-61	1.8	30
149	Scanning Auger microscopy study of W tips for scanning tunneling microscopy. *Review of Scientific Instruments*, **2003**, 74, 3368-3378	1.7	30
148	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	2.9	30
147	High resolution XPS studies on hexadecafluoro-copper-phthalocyanine deposited onto Si()7□ surface. *Surface Science*, **2001**, 470, 265-274	1.8	30
146	Characterisation of aerosol individual particles in a controlled underground area. *Atmospheric Environment*, **1999**, 33, 3603-3611	5.3	30
145	Development of molecularly imprinted polymeric nanofibers by electrospinning and applications to pesticide adsorption. *Journal of Separation Science*, **2015**, 38, 1402-10	3.4	29
144	Bright light exposure reduces TH-positive dopamine neurons: implications of light pollution in Parkinson's disease epidemiology. *Scientific Reports*, **2013**, 3, 1395	4.9	29
143	STM investigation of the □Sn/Si(111) phase at 120 K. *Surface Science*, **2000**, 445, L41-L46	1.8	29
142	Electrospun Cu-, W- and Fe-doped TiO2 nanofibres for photocatalytic degradation of rhodamine 6G. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	28

141	Well-aligned TiO2 nanofibers grown by near-field-electrospinning. *Journal of Vacuum Science & Technology B*, **2009**, 27, 1829		28
140	The comparative effect of two different annealing temperatures and times on the sensitivity and long-term stability of WO3 thin films for detecting NO2. *IEEE Sensors Journal*, **2003**, 3, 171-179	4	28
139	MS2 bacteriophage inactivation using a N-doped TiO2-coated photocatalytic membrane reactor: Influence of water-quality parameters. *Chemical Engineering Journal*, **2018**, 354, 995-1006	14.7	27
138	UPS and XPS studies of Cu clusters on graphite. *Surface Science*, **1994**, 307-309, 922-926	1.8	27
137	The interaction of Cu(100)?Fe surfaces with oxygen studied by X-ray photoelectron spectroscopy. *Surface Science*, **1994**, 317, 295-302	1.8	26
136	Preparation of nitrogen doped TiO2 nanofibers by near field electrospinning (NFES) technique for NO2 sensing. *Sensors and Actuators B: Chemical*, **2013**, 179, 107-113	8.5	25
135	Rectifying behavior of silicon□phthalocyanine junctions investigated with scanning tunneling microscopy/spectroscopy. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 1014-1019	2.9	25
134	Au/CuPc interface: Photoemission investigation. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 1477-1481	2.9	25
133	Electronic properties of crystalline and amorphous SiO2 investigated via all-electron calculations and photoemission spectroscopy. *Solid State Communications*, **1995**, 95, 313-317	1.6	25
132	On the spatially resolved electronic structure of polycrystalline WO3 films investigated with scanning tunneling spectroscopy. *Surface Science*, **2001**, 475, 73-82	1.8	24
131	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	3.5	24
130	N-Doped TiO□Coated Ceramic Membrane for Carbamazepine Degradation in Different Water Qualities. *Nanomaterials*, **2017**, 7,	5.4	23
129	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
128	Photoemission broadening of Fermi-liquid systems, and its relevance to high-temperature superconductors. *Physical Review B*, **1992**, 45, 5438-5442	3.3	23
127	In situ manipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy. *Physical Review B*, **2007**, 76,	3.3	22
126	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. *Nanomaterials*, **2019**, 9,	5.4	20
125	Hexadecafluoro-copper-phthalocyanine UHV deposited onto Si (111) 7□ substrate: an XPS study. *Surface Science*, **1998**, 402-404, 518-522	1.8	20
124	Relationship between the optical and mechanical properties of fluorinated amorphous carbon thin films. *Journal of Non-Crystalline Solids*, **2001**, 291, 153-159	3.9	20

123	Investigation on electronic structure of Cu clusters on graphite by EELS and XPS studies. *Solid State Communications*, **1990**, 74, 115-118	1.6	19
122	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	3.7	18
121	Determination of stoichiometry of SiOx thin films using an Auger parameter. *Thin Solid Films*, **1992**, 213, 158-159	2.2	18
120	Catalytic role of adsorbates in the photoluminescence emission of Si nanocrystals. *Physical Review B*, **2008**, 78,	3.3	17
119	A deeper understanding of the photodesorption mechanism of aligned carbon nanotube thin films by impedance spectroscopy. *Thin Solid Films*, **2004**, 449, 105-112	2.2	17
118	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	3.9	16
117	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	2.9	16
116	Growth of Te thin films deposited at room temperature on the Si(100)2 □1 surface. *Journal of Electron Spectroscopy and Related Phenomena*, **1995**, 71, 39-45	1.7	16
115	Oxidation of the Fe/Cu(100) interface. *Surface Science*, **1995**, 331-333, 703-709	1.8	16
114	Sustainable Liquid-Phase Exfoliation of Layered Materials with Nontoxic Polarclean Solvent. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 18830-18840	8.3	16
113	Surface characterisation and photocatalytic performance of N-doped TiO2 thin films deposited onto 200 nm pore size alumina membranes by sol□gel methods. *Materials Chemistry and Physics*, **2015**, 159, 25-37	4.4	15
112	NiPC/Si(111)(7 □7) STUDIED WITH XPS, STM AND TAPPING MODE AIR AFM. *Surface Review and Letters*, **1997**, 04, 59-64	1.1	15
111	Effect of nitrogen addition on the elastic and structural properties of amorphous carbon thin films. *Thin Solid Films*, **2001**, 389, 315-320	2.2	15
110	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	2.9	15
109	Electronic Structure of 1,3,5,7-Cyclooctatetraene Chemisorbed on Si(001)-2□1 at 300 K Studied by PES, NEXAFS, and Resonant Valence Band Spectroscopy. *Journal of Physical Chemistry B*, **2002**, 106, 4967-4973	2.4	15
108	Fluorescent light induces neurodegeneration in the rodent nigrostriatal system but near infrared LED light does not. *Brain Research*, **2017**, 1662, 87-101	3.7	14
107	Investigation on copper phthalocyanine/multiwalled carbon nanotube interface. *Journal of Applied Physics*, **2008**, 104, 033701	2.5	14
106	Adsorption of oxidizing gases on multiwalled carbon nanotubes. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 1450-1454	2.9	14

105	Interaction of naphthalocyanine with oxygen and with Si(111)7□: an in-situ X-ray photoelectron spectroscopy study. *Surface Science*, **1999**, 431, 242-251	1.8	14
104	Electronic structure investigation of biphenylene films. *Journal of Chemical Physics*, **2017**, 146, 054705	3.9	13
103	CuPc:C60 blend film: A photoemission investigation. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 1668-1675	2.9	13
102	Pulsed plasma-induced alignment of carbon nanotubes. *Materials Letters*, **2003**, 57, 3699-3704	3.3	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
100	Electron spectroscopy investigation of Te thin films deposited at room temperature on Si(100) 2 □ 1. *Surface Science*, **1995**, 331-333, 569-574	1.8	13
99	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	1.8	13
98	Extended electron energy-loss fine structure and selected-area electron diffraction studies of small palladium clusters. *Journal of Microscopy*, **1992**, 166, 231-245	1.9	13
97	Core edge energy loss studies of Pd clusters on graphite. *Zeitschrift F□ Physik D-Atoms Molecules and Clusters*, **1989**, 12, 417-420		13
96	Surface stoichiometry determination of SiOxNy thin films by means of XPS. *Surface and Interface Analysis*, **1994**, 22, 190-192	1.5	12
95	Au□CuPc interface: a valence band photoemission investigation. *Journal of Chemical Physics*, **2011**, 134, 114709	3.9	11
94	Photoemission investigation on copper phthalocyanine:fullerene blend film. *Applied Physics Letters*, **2006**, 88, 133505	3.4	11
93	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	3.5	11
92	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 capacitance□oltage studies. *Journal of Non-Crystalline Solids*, **2003**, 322, 225-232	3.9	11
91	Surface and in depth chemistry of polycrystalline WO3 thin films studied by X-ray and soft X-ray photoemission spectroscopies. *IEEE Sensors Journal*, **2003**, 3, 180-188	4	11
90	X-ray photoelectron spectroscopy studies on hexadecafluoro-copper-phthalocyanine ultrathin films deposited onto Si(100) 2□. *Surface Science*, **1999**, 433-435, 157-161	1.8	11
89	1s shake-up x-ray photoelectron spectrum of Na in NaCl and other Na salts. *Physical Review B*, **1993**, 48, 13430-13433	3.3	11
88	Electronic structure of Cr clusters on graphite. *Zeitschrift F□ Physik D-Atoms Molecules and Clusters*, **1991**, 20, 387-390		11

87	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,	7.9	10
86	Influence of plasma source frequency on composition and density of fluorinated amorphous carbon thin films. *Materials Letters*, **2001**, 51, 514-518	3.3	10
85	Structure and mechanical properties of argon assisted carbon nitride films. *Thin Solid Films*, **2001**, 398-399, 124-129	2.2	10
84	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	2.9	10
83	Enhanced Electrocatalytic Activity in GaSe and InSe Nanosheets: The Role of Surface Oxides. *Advanced Functional Materials*, **2020**, 30, 2005466	15.6	10
82	Characterization of gas phase iron phthalocyanine with X-ray photoelectron and absorption spectroscopies. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 1259-1265	1.3	9
81	A multitechnique study of archeological bronzes. *Surface and Interface Analysis*, **2008**, 40, 464-468	1.5	9
80	Structural and optical properties of nitrogen and oxygen doped a-C:H coatings. *Thin Solid Films*, **2002**, 415, 195-200	2.2	9
79	Electrical transport properties of conjugated polymer onto self-assembled aligned carbon nanotubes. *Diamond and Related Materials*, **2003**, 12, 1524-1531	3.5	9
78	Controllable fabrication of aligned carbon nanotubes by pulsed plasma: selective positioning and electrical transport phenomena. *Materials Letters*, **2004**, 58, 470-473	3.3	9
77	Nitrogen doping of fluorinated amorphous carbon thin films: structural and optical properties evolution upon thermal annealing. *Thin Solid Films*, **2002**, 408, 291-296	2.2	8
76	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	3.9	8
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74	Helium permeation through a-C:H films deposited on polymeric substrates. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2002**, 20, 1647-1652	2.9	8
73	XPS analysis on SiO2 sol-gel thin films. *Journal of Electron Spectroscopy and Related Phenomena*, **1995**, 76, 623-628	1.7	8
72	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	2.9	8
71	1s shake-up excitations in NaF, NaCl, NaBr, and Na2SO4. *Solid State Communications*, **1994**, 91, 555-558	1.6	8
70	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	3.7	8

69	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	7
68	Properties of stacked dielectric films composed of SiO2/Si3N4/SiO2. *Journal of Non-Crystalline Solids*, **1999**, 245, 224-231	3.9	7
67	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	2.2	7
66	Substitutional reactions in the surface chemistry of BiCaSrCuO. *Solid State Communications*, **1991**, 80, 701-704	1.6	7
65	Extended fine-auger-structure investigation of discontinuous chromium films. *Thin Solid Films*, **1990** , 193-194, 318-324	2.2	7
64	Structural investigation of the Cr/Si interface. *Surface Science*, **1991**, 251-252, 579-582	1.8	7
63	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	2.9	6
62	Growth and electronic structure of CuFPc on Si(). *Surface Science*, **2002**, 507-510, 351-356	1.8	6
61	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
60	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	6
59	Three-body signature of the bcc structure in extended energy-loss spectra of Cr metal. *Physical Review B*, **1993**, 47, 8494-8501	3.3	6
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57	Structural and electronic studies of clean and oxidized thin Fe films on polycrystalline copper. *Surface and Interface Analysis*, **1992**, 18, 98-102	1.5	6
56	Local structure of graphite by EELFS spectroscopy: Influence of multiple plasmons and orientational dependence. *Surface Science*, **1987**, 189-190, 628-635	1.8	6
55	Eyes as gateways for environmental light to the substantia nigra: relevance in Parkinson's disease. *Scientific World Journal, The*, **2014**, 2014, 317879	2.2	5
54	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	2.9	5
53	XPS study of the FCuPc/SiO2 interface. *Surface Science*, **2003**, 532-535, 976-981	1.8	5
52	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	2.9	5

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50	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, 34702	3.9	5
49	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	3.5	5
48	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	3.5	5
47	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	2.9	5
46	Naphthalocyanine molecules onto Si(111)7×7 and Si(100)2×1: modes of adsorption investigated with XPS. *Surface Science*, **1999**, 443, 227-237	1.8	5
45	Early stages of Schottky-barrier formation for Al deposited on GaAs(110). *Physical Review B*, **1992**, 46, 10277-10283	3.3	5
44	Silicon K-edge studied by EELFS spectroscopy in reflection mode: Dipole versus multipole terms contributions. *Surface Science*, **1989**, 211-212, 534-543	1.8	5
43	Structural study of thin films by extended energyloss fine structure spectroscopy. *Thin Solid Films*, **1990**, 193-194, 289-304	2.2	5
42	Structural characterization of supported chromium clusters by extended energy-loss fine structure. *Surface and Interface Analysis*, **1990**, 16, 14-17	1.5	5
41	A structural investigation on evaporated small clusters of Cr by surface electron energy loss fine structure spectroscopy. *Vacuum*, **1990**, 41, 356-358	3.7	5
40	A multitechnique study of archaeological bronzes: part II. *Surface and Interface Analysis*, **2011**, 43, 1120-1127	1.3	4
39	Effect of thermal treatment on morphology and electrical transport properties of carbon nanotubes film. *Journal of Physics: Conference Series*, **2008**, 100, 012012	0.3	4
38	RT growth of acetonitrile and acrylonitrile on Si(001)-2×1 studied by XPS and LEED. *Surface Science*, **2003**, 540, 55-62	1.8	4
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36	Soft X-ray photoemission spectroscopy study on the interaction between CuFPc molecules and Si(1 1 1)7×7 surface. *Surface Science*, **2001**, 482-485, 669-674	1.8	4
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34	Evidence for surface chemical reactions between gold and BiCaSrCuO. *Applied Physics Letters*, **1991**, 59, 979-981	3.4	4

33	Short-range-order investigation by low-energy electrons. *Surface and Interface Analysis*, **1990**, 16, 111-117	1.5	4
32	Structural and optical properties of alkali halide multilayer LiF:NaF films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 1750-1754	2.9	3
31	Compositional and electrical properties of SiO2/Si3N4/SiO2 stacked films grown onto silicon substrates and annealed in hydrogen. *Journal of Non-Crystalline Solids*, **1997**, 216, 156-161	3.9	3
30	HIGH SPATIAL RESOLUTION SOFT X-RAY PHOTOEMISSION STUDY OF WO3 THIN FILMS. *Surface Review and Letters*, **2002**, 09, 375-380	1.1	3
29	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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25	Structural changes of fluorinated amorphous carbon films by nitrogen incorporation. *Materials Science in Semiconductor Processing*, **2002**, 5, 271-277	4.3	2
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