Maurizio Passacantando

List of Publications by Year
in descending order

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235	6,762	53751 45	88593 70
papers	citations	h-index	g-index

239	239	239	7888
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	XPS study of the surface chemistry of L-CVD SnO2 thin films after oxidation. Thin Solid Films, 2005, 490, 36-42.	0.8	359
2	XPS studies on SiOx thin films. Applied Surface Science, 1993, 70-71, 222-225.	3.1	252
3	NO2 sensitivity of WO3 thin film obtained by high vacuum thermal evaporation. Sensors and Actuators B: Chemical, 1996, 31, 81-87.	4.0	181
4	Comparison of single and binary oxide MoO3, TiO2 and WO3 solâ€“gel gas sensors. Sensors and Actuators B: Chemical, 2002, 83, 276-280.	4.0	169
5	Investigation on the O3 sensitivity properties of WO3 thin films prepared by solâ€“gel, thermal evaporation and r.f. sputtering techniques. Sensors and Actuators B: Chemical, 2000, 64, 182-188.	4.0	148
6	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.	0.8	125
7	A three-dimensional carbon nanotube network for water treatment. Nanotechnology, 2014, 25, 065701.	1.3	125
8	Advances on Sensors Based on Carbon Nanotubes. Chemosensors, 2018, 6, 62.	1.8	120
9	Cross sensitivity and stability of NO2 sensors from WO3 thin film. Sensors and Actuators B: Chemical, 1996, 35, 112-118.	4.0	115
10	A WSe₂ vertical field emission transistor. Nanoscale, 2019, 11, 1538-1548.	2.8	100
11	Pressureâ€Tunable Ambipolar Conduction and Hysteresis in Thin Palladium Diselenide Field Effect Transistors. Advanced Functional Materials, 2019, 29, 1902483.	7.8	98
12	Field emission from single and few-layer graphene flakes. Applied Physics Letters, 2011, 98, .	1.5	94
13	A local field emission study of partially aligned carbon-nanotubes by atomic force microscope probe. Carbon, 2007, 45, 2957-2971.	5.4	88
14	SiOx surface stoichiometry by XPS: A comparison of various methods. Surface and Interface Analysis, 1994, 22, 89-92.	0.8	85
15	Leakage and field emission in side-gate graphene field effect transistors. Applied Physics Letters, 2016, 109, .	1.5	82
16	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.	0.8	81
17	Synthesis and characterization of zinc aluminum oxide thin films by solâ€“gel technique. Materials Chemistry and Physics, 2001, 68, 66-71.	2.0	81
18	Gas dependent hysteresis in MoS ₂ field effect transistors. 2D Materials, 2019, 6, 045049.	2.0	79

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19	Growth of ferromagnetic nanoparticles in a diluted magnetic semiconductor obtained byMn+implantation on Ge single crystals. Physical Review B, 2006, 73, .	1.1	78
20	Structural, electrical, electronic and optical properties of melanin films. European Physical Journal E, 2009, 28, 285-291.	0.7	76
21	Cerium oxide nanoparticles as potential antibiotic adjuvant. Effects of CeO2 nanoparticles on bacterial outer membrane permeability. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2428-2435.	1.4	76
22	Phase separation and dilution in implanted MnxGe1â˜'x alloys. Applied Physics Letters, 2006, 88, 061907.	1.5	74
23	Structural characterization of bulk ZnWO4 prepared by solid state method. Journal of Materials Science, 2000, 35, 4879-4883.	1.7	73
24	Carbon monoxide response of molybdenum oxide thin films deposited by different techniques. Sensors and Actuators B: Chemical, 2000, 68, 168-174.	4.0	71
25	Transport and Field Emission Properties of MoS2 Bilayers. Nanomaterials, 2018, 8, 151.	1.9	70
26	Structural, optical and electrical characterization of antimony-substituted tin oxide nanoparticles. Journal of Physics and Chemistry of Solids, 2009, 70, 993-999.	1.9	67
27	Field emission from a selected multiwall carbon nanotube. Nanotechnology, 2008, 19, 395701.	1.3	66
28	Field Emission in Ultrathin PdSe₂ Backâ€Gated Transistors. Advanced Electronic Materials, 2020, 6, 2000094.	2.6	66
29	The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. Cells, 2021, 10, 64.	1.8	66
30	Surface electronic properties of polycrystalline WO3 thin films: a study by core level and valence band photoemission. Surface Science, 2003, 538, 113-123.	0.8	65
31	PMMA nanofibers production by electrospinning. Applied Surface Science, 2006, 252, 5583-5586.	3.1	65
32	Cerium Oxide Nanoparticles Reduce Microglial Activation and Neurodegenerative Events in Light Damaged Retina. PLoS ONE, 2015, 10, e0140387.	1.1	65
33	Synthesis of nanocrystalline ZnTiO3 perovskite thin films by solâ€“gel process assisted by microwave irradiation. Journal of Physics and Chemistry of Solids, 2007, 68, 317-323.	1.9	64
34	NO2 response of In2O3 thin film gas sensors prepared by solâ€“gel and vacuum thermal evaporation techniques. Sensors and Actuators B: Chemical, 2000, 65, 101-104.	4.0	62
35	Core level and valence band investigation of WO3 thin films with synchrotron radiation. Thin Solid Films, 2003, 436, 9-16.	0.8	58
36	Local probing of the field emission stability of vertically aligned multi-walled carbon nanotubes. Carbon, 2009, 47, 1074-1080.	5.4	56

#	Article	IF	Citations
37	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.	0.8	54
38	Graphene enhanced field emission from InP nanocrystals. Nanotechnology, 2017, 28, 495705.	1.3	53
39	Observation of field emission from GeSn nanoparticles epitaxially grown on silicon nanopillar arrays. Nanotechnology, 2016, 27, 485707.	1.3	51
40	Preparation of wrapped carbon nanotubes poly(4-vinylpyridine)/MTO based heterogeneous catalysts for the oxidative desulfurization (ODS) of model and synthetic diesel fuel. Applied Catalysis B: Environmental, 2017, 200, 392-401.	10.8	51
41	Effect of Electron Irradiation on the Transport and Field Emission Properties of Few-Layer MoS₂ Field-Effect Transistors. Journal of Physical Chemistry C, 2019, 123, 1454-1461.	1.5	51
42	Carbon Nanotubes as Activating Tyrosinase Supports for the Selective Synthesis of Catechols. ACS Catalysis, 2014, 4, 810-822.	5.5	50
43	Preparation and characterization of bulk ZnGa2O4. Journal of Materials Science, 1998, 33, 3969-3973.	1.7	48
44	X-ray absorption spectroscopy in MnxGe1â^'x diluted magnetic semiconductor: Experiment and theory. Applied Physics Letters, 2005, 86, 062501.	1.5	48
45	XPS depth profiling studies of L-CVD SnO2 thin films. Applied Surface Science, 2006, 252, 7730-7733.	3.1	48
46	Characterization of sol-gel prepared WO3 thin films as a gas sensor. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 1873-1879.	0.9	46
47	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.	0.9	46
48	WO3 nanofibers for gas sensing applications. Journal of Applied Physics, 2007, 101, 124504.	1.1	46
49	Ferromagnetism in ion implanted amorphous and nanocrystallineMnxGe1â^'x. Physical Review B, 2006, 74, .	1.1	44
50	Electron Irradiation of Metal Contacts in Monolayer MoS₂ Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 40532-40540.	4.0	44
51	Direct structural evidences of Mn dilution in Ge. Journal of Applied Physics, 2006, 100, 063528.	1.1	43
52	WS₂ Nanotubes: Electrical Conduction and Field Emission Under Electron Irradiation and Mechanical Stress. Small, 2020, 16, e2002880.	5.2	42
53	Microstructural characterization of MoO3â€“TiO2 nanocomposite thin films for gas sensing. Sensors and Actuators B: Chemical, 2001, 77, 27-34.	4.0	40
54	Field Emission Characterization of MoS2 Nanoflowers. Nanomaterials, 2019, 9, 717.	1.9	40

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55	Observation of 2D Conduction in Ultrathin Germanium Arsenide Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 12998-13004.	4.0	40
56	Seasonal effects on the physico-chemical characteristics of PM2.1 in Rome: a study by SEM and XPS. Atmospheric Environment, 2003, 37, 4869-4879.	1.9	39
57	Surface morphology of Mn+ implanted Ge(100): A systematic investigation as a function of the implantation substrate temperature. Surface Science, 2007, 601, 2623-2627.	0.8	38
58	Field Emission from Self-Catalyzed GaAs Nanowires. Nanomaterials, 2017, 7, 275.	1.9	38
59	Gateâ€Controlled Field Emission Current from MoS₂ Nanosheets. Advanced Electronic Materials, 2021, 7, 2000838.	2.6	37
60	The interaction of Cu(100)î—¸Fe surfaces with oxygen studied by X-ray photoelectron spectroscopy. Surface Science, 1994, 317, 295-302.	0.8	36
61	Conductivity of the thin film phase of pentacene. Organic Electronics, 2006, 7, 403-409.	1.4	36
62	PbPC growth on Si surfaces studied with XPS and various SPM techniques. Surface Science, 1997, 392, 52-61.	0.8	35
63	Investigation on the cross sensitivity of NO2 sensors based on In2O3 thin films prepared by sol-gel and vacuum thermal evaporation. Thin Solid Films, 1999, 350, 276-282.	0.8	35
64	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.	2.4	34
65	Magnetization of epitaxial MnGe alloys on Ge(111) substrates. Surface Science, 2005, 577, 22-30.	0.8	34
66	Transport and field emission properties of buckypapers obtained from aligned carbon nanotubes. Journal of Materials Science, 2017, 52, 6459-6468.	1.7	34
67	High field-emission current density from Î²-Ga2O3 nanopillars. Applied Physics Letters, 2019, 114, .	1.5	33
68	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.	0.9	32
69	100% internal quantum efficiency in polychiral single-walled carbon nanotube bulk heterojunction/silicon solar cells. Carbon, 2017, 114, 402-410.	5.4	31
70	Electron spin resonance and microwave magnetoresistance in Ge:Mn thin films. Physical Review B, 2008, 78, .	1.1	30
71	Photoconductivity in defective carbon nanotube sheets under ultravioletâ€“visibleâ€“near infrared radiation. Applied Physics Letters, 2008, 93, 051911.	1.5	30
72	Magnetooptical study of Mn ions implanted in Ge. IEEE Transactions on Magnetics, 2002, 38, 2856-2858.	1.2	29

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73	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. Nanomaterials, 2019, 9, 1598.	1.9	29
74	Nano-Sized Fe(III) Oxide Particles Starting from an Innovative and Eco-Friendly Synthesis Method. Nanomaterials, 2020, 10, 323.	1.9	29
75	Ophthalmic Applications of Cerium Oxide Nanoparticles. Journal of Ocular Pharmacology and Therapeutics, 2020, 36, 376-383.	0.6	28
76	Electron irradiation of multilayer PdSe₂ field effect transistors. Nanotechnology, 2020, 31, 375204.	1.3	28
77	UPS and XPS studies of Cu clusters on graphite. Surface Science, 1994, 307-309, 922-926.	0.8	27
78	On the spatially resolved electronic structure of polycrystalline WO3 films investigated with scanning tunneling spectroscopy. Surface Science, 2001, 475, 73-82.	0.8	27
79	Electronic properties of crystalline and amorphous SiO2 investigated via all-electron calculations and photoemission spectroscopy. Solid State Communications, 1995, 95, 313-317.	0.9	26
80	Studies on phase dependent mechanical properties of dc magnetron sputtered TaN thin films: evaluation of super hardness in orthorhombic Ta₄N phase. Journal Physics D: Applied Physics, 2008, 41, 045409.	1.3	26
81	Selective catalytic oxidation of olefins by novel oxovanadium(iv) complexes having different donor ligands covalently anchored on SBA-15: a comparative study. Catalysis Science and Technology, 2013, 3, 1972.	2.1	26
82	Versatile and Efficient Immobilization of 2-Deoxyribose-5-phosphate Aldolase (DERA) on Multiwalled Carbon Nanotubes. ACS Catalysis, 2014, 4, 3059-3068.	5.5	26
83	MoO3, WO3 Single and Binary Oxide Prepared by Sol-Gel Method for Gas Sensing Applications. Journal of Sol-Gel Science and Technology, 2003, 26, 1097-1101.	1.1	25
84	Magneto-optical properties of epitaxial Mn Ge1âˆ' films. Journal of Magnetism and Magnetic Materials, 2003, 262, 158-161.	1.0	25
85	High-Crystalline Single- and Double-Walled Carbon Nanotube Mats Grown by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2007, 111, 15154-15159.	1.5	25
86	XPS and SEM studies of oxide reduction of germanium nanowires. Journal of Non-Crystalline Solids, 2010, 356, 1988-1993.	1.5	25
87	Contact Resistance and Channel Conductance of Graphene Field-Effect Transistors under Low-Energy Electron Irradiation. Nanomaterials, 2016, 6, 206.	1.9	25
88	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.	1.2	25
89	Nanotip Contacts for Electric Transport and Field Emission Characterization of Ultrathin MoS2 Flakes. Nanomaterials, 2020, 10, 106.	1.9	25
90	GeO2 based high k dielectric material synthesized by solâ€“gel process. Journal of Non-Crystalline Solids, 2007, 353, 692-696.	1.5	24

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91	Synthesis and characterization of hafnium oxide and hafnium aluminate ultra-thin films by a solâ€“gel spin coating process for microelectronic applications. Journal of Non-Crystalline Solids, 2007, 353, 663-669.	1.5	24
92	XPS study of the surface chemistry of Ag-covered L-CVD SnO2 thin films. Applied Surface Science, 2008, 254, 8089-8092.	3.1	24
93	In situmanipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy. Physical Review B, 2007, 76, .	1.1	23
94	Chitin- and chitosan-anchored methyltrioxorhenium: An innovative approach for selective heterogeneous catalytic epoxidations of olefins. Journal of Catalysis, 2010, 276, 412-422.	3.1	23
95	Deoxydehydration of glycerol in presence of rhenium compounds: reactivity and mechanistic aspects. Catalysis Science and Technology, 2019, 9, 3036-3046.	2.1	23
96	Oxidation of the Fe/Cu(100) interface. Surface Science, 1995, 331-333, 703-709.	0.8	22
97	Magnetization-driven metal-insulator transition in strongly disordered Ge:Mn magnetic semiconductors. Physical Review B, 2009, 79, .	1.1	22
98	Structural investigation of gaseous, liquid, and solidBr2by x-ray absorption. Physical Review E, 1993, 48, 4575-4583.	0.8	21
99	Adsorption of triazine herbicides from aqueous solution by functionalized multiwall carbon nanotubes grown on silicon substrate. Nanotechnology, 2018, 29, 065701.	1.3	21
100	Determination of stoichiometry of SiOx thin films using an Auger parameter. Thin Solid Films, 1992, 213, 158-159.	0.8	20
101	Mn L2,3 x-ray absorption spectra of a diluted Mnâ€“Ge alloy. Applied Physics Letters, 2007, 90, 242105.	1.5	19
102	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.	0.8	18
103	Low temperature growth of nanocrystalline Fe2TiO5 perovskite thin films by solâ€“gel process assisted by microwave irradiation. Ceramics International, 2008, 34, 205-211.	2.3	18
104	Surface electronic and structural properties of CeO2 nanoparticles: a study by core-level photoemission and peak diffraction. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	18
105	Field Emission Characteristics of InSb Patterned Nanowires. Advanced Electronic Materials, 2020, 6, 2000402.	2.6	18
106	Field emission from two-dimensional GeAs. Journal Physics D: Applied Physics, 2021, 54, 105302.	1.3	18
107	Localization of the dopant in Ge:Mn diluted magnetic semiconductors by x-ray absorption at the Mn K edge. Journal of Physics Condensed Matter, 2010, 22, 216006.	0.7	17
108	Highly efficient synthesis of aldehydes by layer by layer multi-walled carbon nanotubes (MWCNTs) laccase mediator systems. Applied Catalysis A: General, 2015, 499, 77-88.	2.2	17

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109	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.	1.8	17
110	Investigation of physico-chemical and catalytic properties of the coating layer of silica-coated iron oxide magnetic nanoparticles. Journal of Physics and Chemistry of Solids, 2021, 153, 110003.	1.9	17
111	Short-Term Biodistribution of Cerium Oxide Nanoparticles in Mice: Focus on Brain Parenchyma. Nanoscience and Nanotechnology Letters, 2013, 5, 1174-1181.	0.4	17
112	Synthesis and characterisation of cadmium titanium oxide thin films by solâ€“gel technique. Journal of Physics and Chemistry of Solids, 2002, 63, 383-392.	1.9	16
113	Morphological and electronic properties of the thin film phase of pentacene investigated by AFM and STM/STS. Applied Surface Science, 2006, 252, 7469-7472.	3.1	16
114	Photoconductivity of multiwalled CNT deposited by CVD. Solid State Sciences, 2009, 11, 1806-1809.	1.5	16
115	Pressure-dependent electrical conductivity of freestanding three-dimensional carbon nanotube network. Applied Physics Letters, 2013, 102, .	1.5	16
116	Impact of Impurities on the Electrical Conduction of Anisotropic Two-Dimensional Materials. Physical Review Applied, 2020, 13, .	1.5	16
117	Field emission from AlGaN nanowires with low turn-on field. Nanotechnology, 2020, 31, 475702.	1.3	16
118	Growth and magnetic properties of MnGe films for spintronic application. Journal of Materials Science: Materials in Electronics, 2003, 14, 337-340.	1.1	15
119	A new radiation detector made of multi-walled carbon nanotubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 398-403.	0.7	15
120	Innovative carbon nanotube-silicon large area photodetector. Journal of Instrumentation, 2012, 7, P08013-P08013.	0.5	15
121	Environmental effects on transport properties of PdSe2 field effect transistors. Materials Today: Proceedings, 2020, 20, 50-53.	0.9	15
122	Electron spectroscopy investigation of Te thin films deposited at room temperature on Si(100) 2 Ã— 1. Surface Science, 1995, 331-333, 569-574.	0.8	14
123	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.	0.8	14
124	Comparative photoemission study of the electronic properties of L-CVD SnO2 thin films. Applied Surface Science, 2006, 252, 7734-7738.	3.1	14
125	Nanotechnology: A new era for photodetection?. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 1-10.	0.7	14
126	Nanoceria neuroprotective effects in the light-damaged retina: A focus on retinal function and microglia activation. Experimental Eye Research, 2019, 188, 107797.	1.2	14

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127	A Scalable Method for Thickness and Lateral Engineering of 2D Materials. ACS Nano, 2020, 14, 4861-4870.	7.3	14
128	Surface stoichiometry determination of SiOxNy thin films by means of XPS. Surface and Interface Analysis, 1994, 22, 190-192.	0.8	13
129	The use of the Auger parameter in the characterisation of some silicon compounds. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 97-100.	0.8	13
130	Synthesis and characterization of cadmium titanium oxide powders by sol-gel technique. Journal of Materials Science, 2000, 35, 5295-5299.	1.7	13
131	Magneto-optical investigation of high temperature ion implanted MnxGe1-xalloy: evidence for multiple contributions to the magnetic response. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 145-151.	0.8	13
132	Biocompatibility of composites based on chitosan, apatite, and graphene oxide for tissue applications. Journal of Biomedical Materials Research - Part A, 2018, 106, 1585-1594.	2.1	13
133	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.	1.2	13
134	Electronic structure of Cr clusters on graphite. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 20, 387-390.	1.0	12
135	Nanometer-scale spatial inhomogeneities of the chemical and electronic properties of an ion implanted Mnâ€“Ge alloy. Surface Science, 2006, 600, 4723-4727.	0.8	12
136	Experiments and theory on pentacene in the thin film phase: structural, electronic, transport properties, and gas response to oxygen, nitrogen, and ambient air. Thin Solid Films, 2007, 515, 8316-8321.	0.8	12
137	Electrical analysis of carbon nanostructures/silicon heterojunctions designed for radiation detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 377-381.	0.7	12
138	Large area CNT-Si heterojunction for photodetection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 12-15.	0.7	12
139	1sshake-up x-ray photoelectron spectrum of Na in NaCl and other Na salts. Physical Review B, 1993, 48, 13430-13433.	1.1	11
140	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.	1.5	11
141	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.	2.4	11
142	XPS analysis on SiO2 sol-gel thin films. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 623-628.	0.8	10
143	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.	0.9	10
144	Surface chemistry study of Mn-doped germanium nanowires. Applied Surface Science, 2008, 254, 8093-8097.	3.1	10

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145	Antioxidant Properties of Cerium Oxide Nanoparticles Prevent Retinal Neovascular Alterations In Vitro and In Vivo. Antioxidants, 2022, 11, 1133.	2.2	10
146	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.	0.9	9
147	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.	0.8	9
148	Properties of stacked dielectric films composed of SiO2/Si3N4/SiO2. Journal of Non-Crystalline Solids, 1999, 245, 224-231.	1.5	9
149	Microstructure characterization of sol-gel prepared MoO3â€“TiO2 thin films for oxygen gas sensors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 904-909.	0.9	9
150	High photocurrent from planar strips of vertical and horizontal aligned multi wall carbon nanotubes. Applied Physics Letters, 2012, 100, .	1.5	9
151	1s shake-up excitations in NaF, NaCl, NaBr, and Na2SO4. Solid State Communications, 1994, 91, 555-558.	0.9	8
152	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.	0.8	8
153	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.	1.5	8
154	Mn doping of germanium nanowires by vapourâ€“liquidâ€“solid deposition. Superlattices and Microstructures, 2008, 44, 489-495.	1.4	8
155	Influence of Iron Catalyst in the Carbon Spheres Synthesis for Energy and Electrochemical Applications. Advanced Materials Interfaces, 2018, 5, 1800070.	1.9	8
156	Extended fine-auger-structure investigation of discontinuous chromium films. Thin Solid Films, 1990, 193-194, 318-324.	0.8	7
157	Structural investigation of the Cr/Si interface. Surface Science, 1991, 251-252, 579-582.	0.8	7
158	Structural and electronic studies of clean and oxidized thin Fe films on polycrystalline copper. Surface and Interface Analysis, 1992, 18, 98-102.	0.8	7
159	L2,3 edges of chromium: comparison between electron energy loss spectra in transmission and reflection mode. Solid State Communications, 1992, 83, 921-925.	0.9	7
160	Three-body signature of the bcc structure in extended energy-loss spectra of Cr metal. Physical Review B, 1993, 47, 8494-8501.	1.1	7
161	Growth process and characterization of magnetic semiconductors based on GeMn alloy films. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1748-1751.	0.8	7
162	The role of nanoscale topography on super-hydrophobicity: a study of fluoro-based polymer film on vertical carbon nanotubes. Journal of Experimental Nanoscience, 2007, 2, 63-71.	1.3	7

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163	Microscopic investigation of the structural and electronic properties of ion implanted Mn-Ge alloys. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 136-144.	0.8	7
164	Nanowire directed diffusion limited aggregation growth of nanoparticles. Journal of Non-Crystalline Solids, 2010, 356, 2076-2078.	1.5	7
165	Observation of a photoinduced, resonant tunneling effect in a carbon nanotubeâ€“silicon heterojunction. Beilstein Journal of Nanotechnology, 2015, 6, 704-710.	1.5	7
166	UV photo-responsivity of a large-area MWCNT-Si photodetector operated at cryogenic temperature. European Physical Journal Plus, 2018, 133, 1.	1.2	7
167	Structural characterization of supported chromium clusters by extended energy-loss fine structure. Surface and Interface Analysis, 1990, 16, 14-17.	0.8	6
168	A structural investigation on evaporated small clusters of Cr by surface electron energy loss fine structure spectroscopy. Vacuum, 1990, 41, 356-358.	1.6	6
169	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.	0.8	6
170	Structural and optical properties of low nnergy electrons irradiated KCl:LiF multilayer films. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 212-215.	0.6	6
171	Structural, compositional, thermal resistant and hydro-oleophobic properties of fluorine based block-co-polymer films on quartz substrates by wet chemical process. Journal of Physics and Chemistry of Solids, 2006, 67, 1703-1711.	1.9	6
172	Magnetic response of Mn-doped amorphous porous Ge fabricated by ion-implantation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 365-368.	0.6	6
173	Nitrate-assisted photocatalytic efficiency of defective Eu-doped Pr(OH)₃ nanostructures. Physical Chemistry Chemical Physics, 2017, 19, 31756-31765.	1.3	6
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