

Maurizio Passacantando

List of Publications by Year in descending order

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235
papers

6,762
citations

53751

45
h-index

88593

70
g-index

239
all docs

239
docs citations

239
times ranked

7888
citing authors

#	ARTICLE	IF	CITATIONS
1	Easy Fabrication of Performant SWCNT-Si Photodetector. Electronics (Switzerland), 2022, 11, 271.	1.8	6
2	Synthesis of hydrophilic carbon nanotube sponge via post-growth thermal treatment. Nanotechnology, 2022, 33, 245707.	1.3	3
3	Formation of a two-dimensional oxide <i>via</i> oxidation of a layered material. Physical Chemistry Chemical Physics, 2022, 24, 13935-13940.	1.3	1
4	Hybrid polyphenolic Network/SPIONs aggregates with potential synergistic effects in MRI applications. Results in Chemistry, 2022, 4, 100387.	0.9	0
5	Antioxidant Properties of Cerium Oxide Nanoparticles Prevent Retinal Neovascular Alterations In Vitro and In Vivo. Antioxidants, 2022, 11, 1133.	2.2	10
6	SnO ₂ Nanofibers Network for Cold Cathode Applications in Vacuum Nanoelectronics. Advanced Electronic Materials, 2022, 8, .	2.6	5
7	Characterization of InSb nanopillars for field emission applications. Journal of Physics: Conference Series, 2021, 1765, 012004.	0.3	4
8	The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. Cells, 2021, 10, 64.	1.8	66
9	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
10	2D transition metal dichalcogenides nanosheets as gate modulated cold electron emitters. , 2021, , .		1
11	Modification of contacts and channel properties in two-dimensional field-effect transistors by 10 keV electron beam irradiation. , 2021, , .		0
12	Gate- Controlled Field Emission Current from MoS ₂ Nanosheets. Advanced Electronic Materials, 2021, 7, 2000838.	2.6	37
13	Field emission from two-dimensional GeAs. Journal Physics D: Applied Physics, 2021, 54, 105302.	1.3	18
14	Germanium arsenide nanosheets applied as two-dimensional field emitters. Journal of Physics: Conference Series, 2021, 2047, 012021.	0.3	1
15	Environmental effects on transport properties of PdSe2 field effect transistors. Materials Today: Proceedings, 2020, 20, 50-53.	0.9	15
16	Ophthalmic Applications of Cerium Oxide Nanoparticles. Journal of Ocular Pharmacology and Therapeutics, 2020, 36, 376-383.	0.6	28
17	Field emission from mono and two-dimensional nanostructures. Materials Today: Proceedings, 2020, 20, 64-68.	0.9	4
18	WS ₂ Nanotubes: Electrical Conduction and Field Emission Under Electron Irradiation and Mechanical Stress. Small, 2020, 16, e2002880.	5.2	42

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19	Cerium oxide nanoparticles reduce the accumulation of autofluorescent deposits in light-induced retinal degeneration: Insights for age-related macular degeneration. <i>Experimental Eye Research</i> , 2020, 199, 108169.	1.2	13
20	Electron Irradiation of Metal Contacts in Monolayer MoS ₂ Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40532-40540.	4.0	44
21	Field Emission Characteristics of InSb Patterned Nanowires. <i>Advanced Electronic Materials</i> , 2020, 6, 2000402.	2.6	18
22	Field emission properties of molecular beam epitaxy grown AlGaN nanowires. , 2020, , .		1
23	Field Emission in Ultrathin PdSe ₂ Back-Gated Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 2000094.	2.6	66
24	A Scalable Method for Thickness and Lateral Engineering of 2D Materials. <i>ACS Nano</i> , 2020, 14, 4861-4870.	7.3	14
25	Nanoceria Particles Are an Eligible Candidate to Prevent Age-Related Macular Degeneration by Inhibiting Retinal Pigment Epithelium Cell Death and Autophagy Alterations. <i>Cells</i> , 2020, 9, 1617.	1.8	17
26	Observation of 2D Conduction in Ultrathin Germanium Arsenide Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12998-13004.	4.0	40
27	Nanotip Contacts for Electric Transport and Field Emission Characterization of Ultrathin MoS ₂ Flakes. <i>Nanomaterials</i> , 2020, 10, 106.	1.9	25
28	Impact of Impurities on the Electrical Conduction of Anisotropic Two-Dimensional Materials. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
29	Electron irradiation of multilayer PdSe ₂ field effect transistors. <i>Nanotechnology</i> , 2020, 31, 375204.	1.3	28
30	Nano-Sized Fe(III) Oxide Particles Starting from an Innovative and Eco-Friendly Synthesis Method. <i>Nanomaterials</i> , 2020, 10, 323.	1.9	29
31	Field emission from AlGaN nanowires with low turn-on field. <i>Nanotechnology</i> , 2020, 31, 475702.	1.3	16
32	Photoresponse Study of MWCNTs/Insulator/n-Type Si/Insulator/Metal Heterostructure as a Function of the Density of MWCNTs Layer. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0
33	Gas dependent hysteresis in MoS ₂ field effect transistors. <i>2D Materials</i> , 2019, 6, 045049.	2.0	79
34	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. <i>Nanomaterials</i> , 2019, 9, 1598.	1.9	29
35	Two-dimensional effects in Fowler-Nordheim field emission from transition metal dichalcogenides. <i>Journal of Physics: Conference Series</i> , 2019, 1226, 012018.	0.3	5
36	Nanoceria neuroprotective effects in the light-damaged retina: A focus on retinal function and microglia activation. <i>Experimental Eye Research</i> , 2019, 188, 107797.	1.2	14

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37	A WSe ₂ vertical field emission transistor. <i>Nanoscale</i> , 2019, 11, 1538-1548.	2.8	100
38	Field Emission Characterization of MoS ₂ Nanoflowers. <i>Nanomaterials</i> , 2019, 9, 717.	1.9	40
39	Pressure-Tunable Ambipolar Conduction and Hysteresis in Thin Palladium Diselenide Field Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1902483.	7.8	98
40	High field-emission current density from In ₂ -Ga ₂ O ₃ nanopillars. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	33
41	Retinal long term neuroprotection by Cerium Oxide nanoparticles after an acute damage induced by high intensity light exposure. <i>Experimental Eye Research</i> , 2019, 182, 30-38.	1.2	25
42	Deoxydehydration of glycerol in presence of rhenium compounds: reactivity and mechanistic aspects. <i>Catalysis Science and Technology</i> , 2019, 9, 3036-3046.	2.1	23
43	Effect of Electron Irradiation on the Transport and Field Emission Properties of Few-Layer MoS ₂ Field-Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1454-1461.	1.5	51
44	UV photo-responsivity of a large-area MWCNT-Si photodetector operated at cryogenic temperature. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	7
45	Adsorption of triazine herbicides from aqueous solution by functionalized multiwall carbon nanotubes grown on silicon substrate. <i>Nanotechnology</i> , 2018, 29, 065701.	1.3	21
46	Biocompatibility of composites based on chitosan, apatite, and graphene oxide for tissue applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1585-1594.	2.1	13
47	Advances on Sensors Based on Carbon Nanotubes. <i>Chemosensors</i> , 2018, 6, 62.	1.8	120
48	Iodoxybenzoic Acid Supported on Multi Walled Carbon Nanotubes as Biomimetic Environmental Friendly Oxidative Systems for the Oxidation of Alcohols to Aldehydes. <i>Nanomaterials</i> , 2018, 8, 516.	1.9	6
49	Transport and Field Emission Properties of MoS ₂ Bilayers. <i>Nanomaterials</i> , 2018, 8, 151.	1.9	70
50	Cerium oxide nanoparticles as potential antibiotic adjuvant. Effects of CeO ₂ nanoparticles on bacterial outer membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2428-2435.	1.4	76
51	Influence of Iron Catalyst in the Carbon Spheres Synthesis for Energy and Electrochemical Applications. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800070.	1.9	8
52	Chemical Vapor Deposition: Influence of Iron Catalyst in the Carbon Spheres Synthesis for Energy and Electrochemical Applications (Adv. Mater. Interfaces 16/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870080.	1.9	0
53	Large area CNT-Si heterojunction for photodetection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 12-15.	0.7	12
54	100% internal quantum efficiency in polychiral single-walled carbon nanotube bulk heterojunction/silicon solar cells. <i>Carbon</i> , 2017, 114, 402-410.	5.4	31

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55	Transport and field emission properties of buckypapers obtained from aligned carbon nanotubes. <i>Journal of Materials Science</i> , 2017, 52, 6459-6468.	1.7	34
56	Room temperature ferromagnetism in low dose ion implanted counter-doped Ge:Mn, As. <i>Physica B: Condensed Matter</i> , 2017, 523, 1-5.	1.3	1
57	Nitrate-assisted photocatalytic efficiency of defective Eu-doped Pr(OH) ₃ nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31756-31765.	1.3	6
58	Graphene enhanced field emission from InP nanocrystals. <i>Nanotechnology</i> , 2017, 28, 495705.	1.3	53
59	Auxiliary problem principles for equilibria. <i>Optimization</i> , 2017, 66, 1955-1972.	1.0	5
60	Preparation of wrapped carbon nanotubes poly(4-vinylpyridine)/MTO based heterogeneous catalysts for the oxidative desulfurization (ODS) of model and synthetic diesel fuel. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 392-401.	10.8	51
61	Field Emission from Self-Catalyzed GaAs Nanowires. <i>Nanomaterials</i> , 2017, 7, 275.	1.9	38
62	Contact Resistance and Channel Conductance of Graphene Field-Effect Transistors under Low-Energy Electron Irradiation. <i>Nanomaterials</i> , 2016, 6, 206.	1.9	25
63	Observation of field emission from GeSn nanoparticles epitaxially grown on silicon nanopillar arrays. <i>Nanotechnology</i> , 2016, 27, 485707.	1.3	51
64	Leakage and field emission in side-gate graphene field effect transistors. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	82
65	Light induced tunnel effect in CNT-Si photodiode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 76-78.	0.7	1
66	Observation of a photoinduced, resonant tunneling effect in a carbon nanotube-silicon heterojunction. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 704-710.	1.5	7
67	Cerium Oxide Nanoparticles Reduce Microglial Activation and Neurodegenerative Events in Light Damaged Retina. <i>PLoS ONE</i> , 2015, 10, e0140387.	1.1	65
68	A conductive surface coating for Si-CNT radiation detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 790, 14-18.	0.7	3
69	Highly efficient synthesis of aldehydes by layer by layer multi-walled carbon nanotubes (MWCNTs) laccase mediator systems. <i>Applied Catalysis A: General</i> , 2015, 499, 77-88.	2.2	17
70	Carbon Nanotubes as Activating Tyrosinase Supports for the Selective Synthesis of Catechols. <i>ACS Catalysis</i> , 2014, 4, 810-822.	5.5	50
71	Components of strong magnetoresistance in Mn implanted Ge. <i>Journal of Applied Physics</i> , 2014, 115, 093703.	1.1	2
72	A three-dimensional carbon nanotube network for water treatment. <i>Nanotechnology</i> , 2014, 25, 065701.	1.3	125

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73	Versatile and Efficient Immobilization of 2-Deoxyribose-5-phosphate Aldolase (DERA) on Multiwalled Carbon Nanotubes. ACS Catalysis, 2014, 4, 3059-3068.	5.5	26
74	Progress on the development of a silicon-carbon nanotube photodetector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 554-556.	0.7	2
75	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
76	Pressure-dependent electrical conductivity of freestanding three-dimensional carbon nanotube network. Applied Physics Letters, 2013, 102, .	1.5	16
77	Surface electronic and structural properties of CeO ₂ nanoparticles: a study by core-level photoemission and peak diffraction. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	18
78	Development of new photon detection device for Cherenkov and fluorescence radiation. EPJ Web of Conferences, 2013, 53, 08014.	0.1	2
79	Short-Term Biodistribution of Cerium Oxide Nanoparticles in Mice: Focus on Brain Parenchyma. Nanoscience and Nanotechnology Letters, 2013, 5, 1174-1181.	0.4	17
80	High photocurrent from planar strips of vertical and horizontal aligned multi wall carbon nanotubes. Applied Physics Letters, 2012, 100, .	1.5	9
81	Innovative carbon nanotube-silicon large area photodetector. Journal of Instrumentation, 2012, 7, P08013-P08013.	0.5	15
82	Crystal phase dependent photoluminescence of 6,13-pentacenequinone. Journal of Applied Physics, 2012, 112, 013512.	1.1	3
83	Progress in the realization of a silicon-CNT photodetector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 150-153.	0.7	3
84	Evolution of structural and optical properties of nanostructured silicon carbon films deposited by plasma enhanced chemical vapour deposition. Thin Solid Films, 2012, 520, 4875-4879.	0.8	2
85	RECENT RESULTS IN SILICON-CNT PHOTODETECTORS. Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applications, 2012, , 822-828.	0.1	1
86	Field emission from single and few-layer graphene flakes. Applied Physics Letters, 2011, 98, .	1.5	94
87	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
88	Structural Modification of Sol-Gel Derived TiO ₂ Nanostructured Films Using Microwave Irradiation. , 2011, , .		1
89	Magneto-optical spectra of Mn-Ge films. Journal of Physics: Conference Series, 2010, 200, 072079.	0.3	2
90	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

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91	A novel photon detector made of silicon and carbon nanotubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 378-380.	0.7	4
92	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
93	Nanowire directed diffusion limited aggregation growth of nanoparticles. Journal of Non-Crystalline Solids, 2010, 356, 2076-2078.	1.5	7
94	Tuning electromechanical response of individual CNT by selective electron beam induced deposition. Journal of Non-Crystalline Solids, 2010, 356, 2038-2041.	1.5	5
95	XPS and SEM studies of oxide reduction of germanium nanowires. Journal of Non-Crystalline Solids, 2010, 356, 1988-1993.	1.5	25
96	3D island growth of 6,13 Pentacenequinone on silicon oxide and gold. Journal of Non-Crystalline Solids, 2010, 356, 2079-2082.	1.5	4
97	Photoconductivity of multiwalled CNT deposited by CVD. Solid State Sciences, 2009, 11, 1806-1809.	1.5	16
98	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
99	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
100	Local probing of the field emission stability of vertically aligned multi-walled carbon nanotubes. Carbon, 2009, 47, 1074-1080.	5.4	56
101	Structural, electrical, electronic and optical properties of melanin films. European Physical Journal E, 2009, 28, 285-291.	0.7	76
102	Magnetization-driven metal-insulator transition in strongly disordered Ge:Mn magnetic semiconductors. Physical Review B, 2009, 79, .	1.1	22
103	Design of a Test Vehicle for Nanowire Characterization for Signal Integrity Applications. , 2009, , .		0
104	Nano-materials and nano-technologies for novel photon detection systems. , 2009, , .		1
105	Low temperature growth of nanocrystalline Fe ₂ TiO ₅ perovskite thin films by sol-gel process assisted by microwave irradiation. Ceramics International, 2008, 34, 205-211.	2.3	18
106	Mn doping of germanium nanowires by vapour-liquid-solid deposition. Superlattices and Microstructures, 2008, 44, 489-495.	1.4	8
107	XPS study of the surface chemistry of Ag-covered L-CVD SnO ₂ thin films. Applied Surface Science, 2008, 254, 8089-8092.	3.1	24
108	Surface chemistry study of Mn-doped germanium nanowires. Applied Surface Science, 2008, 254, 8093-8097.	3.1	10

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109	Sensing pulsed light by means of Multi-Walled Carbon Nanotubes. Materials Science in Semiconductor Processing, 2008, 11, 187-189.	1.9	3
110	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
111	Electron spin resonance and microwave magnetoresistance in Ge:Mn thin films. Physical Review B, 2008, 78, .	1.1	30
112	Effect of thermal treatment on morphology and electrical transport properties of carbon nanotubes film. Journal of Physics: Conference Series, 2008, 100, 012012.	0.3	5
113	Studies on phase dependent mechanical properties of dc magnetron sputtered TaN thin films: evaluation of super hardness in orthorhombic Ta ₄ N phase. Journal Physics D: Applied Physics, 2008, 41, 045409.	1.3	26
114	Field emission from a selected multiwall carbon nanotube. Nanotechnology, 2008, 19, 395701.	1.3	66
115	Photoconductivity in defective carbon nanotube sheets under ultraviolet-“visible”-near infrared radiation. Applied Physics Letters, 2008, 93, 051911.	1.5	30
116	Submicron patterning of a catalyst film by scanning probe nanolithography for a selective chemical vapor deposition of carbon nanotubes. Journal of Applied Physics, 2007, 101, 066101.	1.1	5
117	<i>In situ</i> manipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy. Physical Review B, 2007, 76, .	1.1	23
118	Publisher's Note:In situ manipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy [Phys. Rev. B76, 125415 (2007)]. Physical Review B, 2007, 76, .	1.1	0
119	GeO ₂ based high <i>k</i> dielectric material synthesized by sol-gel process. Journal of Non-Crystalline Solids, 2007, 353, 692-696.	1.5	24
120	Synthesis and characterization of hafnium oxide and hafnium aluminate ultra-thin films by a sol-gel spin coating process for microelectronic applications. Journal of Non-Crystalline Solids, 2007, 353, 663-669.	1.5	24
121	Mn L _{2,3} x-ray absorption spectra of a diluted Mn-Ge alloy. Applied Physics Letters, 2007, 90, 242105.	1.5	19
122	WO ₃ nanofibers for gas sensing applications. Journal of Applied Physics, 2007, 101, 124504.	1.1	46
123	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
124	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
125	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
126	Carbon incorporation in silicon-carbon films grown at different substrate temperatures. Thin Solid Films, 2007, 515, 7634-7638.	0.8	5

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127	Experiments and theory on pentacene in the thin film phase: structural, electronic, transport properties, and gas response to oxygen, nitrogen, and ambient air. <i>Thin Solid Films</i> , 2007, 515, 8316-8321.	0.8	12
128	A local field emission study of partially aligned carbon-nanotubes by atomic force microscope probe. <i>Carbon</i> , 2007, 45, 2957-2971.	5.4	88
129	Magnetic response of Mn-doped amorphous porous Ge fabricated by ion-implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 257, 365-368.	0.6	6
130	Magneto-optical characterization of Mn_xGe_{1-x} alloys obtained by ion implantation. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2150-2151.	1.0	2
131	Synthesis of nanocrystalline $ZnTiO_3$ perovskite thin films by sol-gel process assisted by microwave irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 317-323.	1.9	64
132	Microscopic investigation of the structural and electronic properties of ion implanted Mn-Ge alloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 136-144.	0.8	7
133	Magneto-optical investigation of high temperature ion implanted Mn_xGe_{1-x} alloy: evidence for multiple contributions to the magnetic response. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 145-151.	0.8	13
134	Ferromagnetism in ion implanted amorphous and nanocrystalline Mn_xGe_{1-x} . <i>Physical Review B</i> , 2006, 74, .	1.1	44
135	Direct structural evidences of Mn dilution in Ge. <i>Journal of Applied Physics</i> , 2006, 100, 063528.	1.1	43
136	Morphological and electronic properties of the thin film phase of pentacene investigated by AFM and STM/STS. <i>Applied Surface Science</i> , 2006, 252, 7469-7472.	3.1	16
137	PMMA nanofibers production by electrospinning. <i>Applied Surface Science</i> , 2006, 252, 5583-5586.	3.1	65
138	XPS depth profiling studies of L-CVD SnO_2 thin films. <i>Applied Surface Science</i> , 2006, 252, 7730-7733.	3.1	48
139	Comparative photoemission study of the electronic properties of L-CVD SnO_2 thin films. <i>Applied Surface Science</i> , 2006, 252, 7734-7738.	3.1	14
140	Conductivity of the thin film phase of pentacene. <i>Organic Electronics</i> , 2006, 7, 403-409.	1.4	36
141	Nanometer-scale spatial inhomogeneities of the chemical and electronic properties of an ion implanted Mn_xGe_{1-x} alloy. <i>Surface Science</i> , 2006, 600, 4723-4727.	0.8	12
142	Structural, compositional, thermal resistant and hydro-oleophobic properties of fluorine based block-co-polymer films on quartz substrates by wet chemical process. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1703-1711.	1.9	6
143	First-Principles Approach to Mn-Doped Group IV Semiconductors: Comparison with Experiments and Outlook. <i>Advances in Science and Technology</i> , 2006, 52, 11.	0.2	0
144	Synthesis, Characterisation of WO_3 Nanofibers and their Application in Chemical Gas Sensing. <i>Materials Research Society Symposia Proceedings</i> , 2006, 915, 1.	0.1	1

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145	Growth of ferromagnetic nanoparticles in a diluted magnetic semiconductor obtained by Mn+implantation on Ge single crystals. <i>Physical Review B</i> , 2006, 73, .	1.1	78
146	Phase separation and dilution in implanted Mn_xGe_{1-x} alloys. <i>Applied Physics Letters</i> , 2006, 88, 061907.	1.5	74
147	Magnetization of epitaxial MnGe alloys on Ge(111) substrates. <i>Surface Science</i> , 2005, 577, 22-30.	0.8	34
148	XPS study of the surface chemistry of L-CVD SnO ₂ thin films after oxidation. <i>Thin Solid Films</i> , 2005, 490, 36-42.	0.8	359
149	X-ray absorption spectroscopy in Mn_xGe_{1-x} diluted magnetic semiconductor: Experiment and theory. <i>Applied Physics Letters</i> , 2005, 86, 062501.	1.5	48
150	Growth process and characterization of magnetic semiconductors based on GeMn alloy films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1748-1751.	0.8	7
151	Growth and magnetic properties of MnGe films for spintronic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2003, 14, 337-340.	1.1	15
152	MoO ₃ , WO ₃ Single and Binary Oxide Prepared by Sol-Gel Method for Gas Sensing Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 1097-1101.	1.1	25
153	Magneto-optical properties of epitaxial Mn_xGe_{1-x} films. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 262, 158-161.	1.0	25
154	Seasonal effects on the physico-chemical characteristics of PM _{2.5} in Rome: a study by SEM and XPS. <i>Atmospheric Environment</i> , 2003, 37, 4869-4879.	1.9	39
155	Core level and valence band investigation of WO ₃ thin films with synchrotron radiation. <i>Thin Solid Films</i> , 2003, 436, 9-16.	0.8	58
156	Surface electronic properties of polycrystalline WO ₃ thin films: a study by core level and valence band photoemission. <i>Surface Science</i> , 2003, 538, 113-123.	0.8	65
157	The comparative effect of two different annealing temperatures and times on the sensitivity and long-term stability of WO ₃ /Si thin films for detecting NO ₂ . <i>IEEE Sensors Journal</i> , 2003, 3, 171-179.	2.4	34
158	Structural and electrical properties of Ta ₂ O ₅ thin films deposited on Si from Ta(OC ₂ H ₅) ₅ precursor. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 233-239.	1.5	8
159	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-voltage studies. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 225-232.	1.5	11
160	Surface and in depth chemistry of polycrystalline WO ₃ /Si thin films studied by X-ray and soft X-ray photoemission spectroscopies. <i>IEEE Sensors Journal</i> , 2003, 3, 180-188.	2.4	11
161	Magneto-optical study of Mn ions implanted in Ge. <i>IEEE Transactions on Magnetism</i> , 2002, 38, 2856-2858.	1.2	29
162	HIGH SPATIAL RESOLUTION SOFT X-RAY PHOTOEMISSION STUDY OF WO ₃ THIN FILMS. <i>Surface Review and Letters</i> , 2002, 09, 375-380.	0.5	3

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163	Comparison of single and binary oxide MoO ₃ , TiO ₂ and WO ₃ sol-gel gas sensors. Sensors and Actuators B: Chemical, 2002, 83, 276-280.	4.0	169
164	Synthesis and characterisation of cadmium titanium oxide thin films by sol-gel technique. Journal of Physics and Chemistry of Solids, 2002, 63, 383-392.	1.9	16
165	Effects of rapid thermal treatments on the electrical properties of thin SiO ₂ gate oxide for DRAM p-channel MOS transistors. Journal of Non-Crystalline Solids, 2001, 280, 54-58.	1.5	0
166	On the spatially resolved electronic structure of polycrystalline WO ₃ films investigated with scanning tunneling spectroscopy. Surface Science, 2001, 475, 73-82.	0.8	27
167	The influence of air and vacuum thermal treatments on the NO ₂ gas sensitivity of WO ₃ thin films prepared by thermal evaporation. Thin Solid Films, 2001, 391, 224-228.	0.8	54
168	Microstructural characterization of MoO ₃ -TiO ₂ nanocomposite thin films for gas sensing. Sensors and Actuators B: Chemical, 2001, 77, 27-34.	4.0	40
169	Synthesis and characterization of zinc aluminum oxide thin films by sol-gel technique. Materials Chemistry and Physics, 2001, 68, 66-71.	2.0	81
170	Microstructure characterization of sol-gel prepared MoO ₃ -TiO ₂ thin films for oxygen gas sensors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 904-909.	0.9	9
171	Oxygen loss and recovering induced by ultrahigh vacuum and oxygen annealing on WO ₃ 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
172	Carbon monoxide response of molybdenum oxide thin films deposited by different techniques. Sensors and Actuators B: Chemical, 2000, 68, 168-174.	4.0	71
173	NO ₂ response of In ₂ O ₃ thin film gas sensors prepared by sol-gel and vacuum thermal evaporation techniques. Sensors and Actuators B: Chemical, 2000, 65, 101-104.	4.0	62
174	Investigation on the O ₃ sensitivity properties of WO ₃ thin films prepared by sol-gel, thermal evaporation and r.f. sputtering techniques. Sensors and Actuators B: Chemical, 2000, 64, 182-188.	4.0	148
175	Structural characterization of bulk ZnWO ₄ prepared by solid state method. Journal of Materials Science, 2000, 35, 4879-4883.	1.7	73
176	Synthesis and characterization of cadmium titanium oxide powders by sol-gel technique. Journal of Materials Science, 2000, 35, 5295-5299.	1.7	13
177	X-ray photoemission spectroscopy and scanning tunneling spectroscopy study on the thermal stability of WO ₃ thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1077-1082.	0.9	46
178	Effect of HCl catalyst in the formation of flat structures of Ta ₂ O ₅ thin films by sol-gel technique. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1561-1566.	0.9	2
179	SOL-GEL PREPARED MoO ₃ -TiO ₂ THIN FILMS FOR CO AND NO ₂ GAS SENSING. , 2000, , .		3
180	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

#	ARTICLE	IF	CITATIONS
181	Investigation on the cross sensitivity of NO ₂ sensors based on In ₂ O ₃ thin films prepared by sol-gel and vacuum thermal evaporation. <i>Thin Solid Films</i> , 1999, 350, 276-282.	0.8	35
182	Properties of stacked dielectric films composed of SiO ₂ /Si ₃ N ₄ /SiO ₂ . <i>Journal of Non-Crystalline Solids</i> , 1999, 245, 224-231.	1.5	9
183	Characterization of sol-gel prepared WO ₃ thin films as a gas sensor. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1999, 17, 1873-1879.	0.9	46
184	Preparation and characterization of bulk ZnGa ₂ O ₄ . <i>Journal of Materials Science</i> , 1998, 33, 3969-3973.	1.7	48
185	Compositional characterization of very thin SiO ₂ /Si ₃ N ₄ /SiO ₂ stacked films by x-ray photoemission spectroscopy and time-of-flight-secondary-ion-mass spectroscopy techniques. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997, 15, 905-910.	0.9	5
186	Structural and optical properties of alkali halide multilayer LiF:NaF films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997, 15, 1750-1754.	0.9	3
187	X-ray photoelectron spectroscopy studies of silicon suboxides obtained by the sol-gel method. <i>Journal of Materials Research</i> , 1997, 12, 100-105.	1.2	1
188	Thin and ultra-thin films of nickel phthalocyanine grown on highly oriented pyrolytic graphite: an XPS, UHV-AFM and air tapping-mode AFM study. <i>Surface Science</i> , 1997, 373, 318-332.	0.8	125
189	PbPC growth on Si surfaces studied with XPS and various SPM techniques. <i>Surface Science</i> , 1997, 392, 52-61.	0.8	35
190	Compositional and electrical properties of SiO ₂ /Si ₃ N ₄ /SiO ₂ stacked films grown onto silicon substrates and annealed in hydrogen. <i>Journal of Non-Crystalline Solids</i> , 1997, 216, 156-161.	1.5	3
191	Visible and infrared photoluminescence of low-energy electron irradiated LiF:KCl thin films. <i>Journal of Luminescence</i> , 1997, 72-74, 652-654.	1.5	1
192	New Photoluminescent Materials Based on LiF:NaF Microstructures. , 1997, , 179-185.		0
193	Investigation on the electronic structure of Fe deposited onto polycrystalline copper. <i>Surface Science</i> , 1996, 352-354, 572-576.	0.8	2
194	XPS, LEED and AFM investigation of the Si(100) surface after the deposition and annealing of tellurium thin films. <i>Surface Science</i> , 1996, 352-354, 1027-1032.	0.8	14
195	Structural and optical properties of low nnergy electrons irradiated KCl:LiF multilayer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996, 116, 212-215.	0.6	6
196	Study by X-ray photoelectron spectroscopy and X-ray diffraction of the growth of TiN thin films obtained by nitridation of Ti layers. <i>Thin Solid Films</i> , 1996, 290-291, 376-380.	0.8	9
197	NO ₂ sensitivity of WO ₃ thin film obtained by high vacuum thermal evaporation. <i>Sensors and Actuators B: Chemical</i> , 1996, 31, 81-87.	4.0	181
198	Influence of non-dipolar terms on the Cu L _{2,3} and M _{2,3} electron energy loss fine structure (EELFS) spectra in transmission and reflection mode. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 82, 1-12.	0.8	8

#	ARTICLE	IF	CITATIONS
199	Microstructural effect on NO ₂ sensitivity of WO ₃ thin film gas sensors Part 1. Thin film devices, sensors and actuators. Thin Solid Films, 1996, 287, 258-265.	0.8	81
200	Cross sensitivity and stability of NO ₂ sensors from WO ₃ thin film. Sensors and Actuators B: Chemical, 1996, 35, 112-118.	4.0	115
201	Compositional Characterization of Very Thin SiO ₂ /Si ₃ N ₄ /SiO ₂ Stacked Films by XPS Using The Auger Parameter Method. Materials Research Society Symposia Proceedings, 1995, 382, 437.	0.1	0
202	XPS, AES and Leed Studies of The Interaction Between The Si(100) 2 \times 1 Surface and Cadmium Deposited at Room Temperature. Materials Research Society Symposia Proceedings, 1995, 382, 413.	0.1	0
203	Growth of Te thin films deposited at room temperature on the Si(100)2 \times 1 surface. Journal of Electron Spectroscopy and Related Phenomena, 1995, 71, 39-45.	0.8	18
204	EXFAS studies on the thermal behaviour of copper surface. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 223-227.	0.8	3
205	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
206	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
207	XPS analysis on SiO ₂ sol-gel thin films. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 623-628.	0.8	10
208	Electronic properties of crystalline and amorphous SiO ₂ investigated via all-electron calculations and photoemission spectroscopy. Solid State Communications, 1995, 95, 313-317.	0.9	26
209	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
210	Oxidation of the Fe/Cu(100) interface. Surface Science, 1995, 331-333, 703-709.	0.8	22
211	Electron spectroscopy investigation of Te thin films deposited at room temperature on Si(100) 2 \times 1. Surface Science, 1995, 331-333, 569-574.	0.8	14
212	UPS, XPS, AES STUDIES OF Te THIN FILMS DEPOSITED ON Si(100) 2 \times 1. Surface Review and Letters, 1994, 01, 589-592.	0.5	1
213	SiO _x surface stoichiometry by XPS: A comparison of various methods. Surface and Interface Analysis, 1994, 22, 89-92.	0.8	85
214	Surface stoichiometry determination of SiO _x N _y thin films by means of XPS. Surface and Interface Analysis, 1994, 22, 190-192.	0.8	13
215	Exafs like oscillations in X-ray excited autoionization spectra assisted by compton process. Solid State Communications, 1994, 90, 831-835.	0.9	3
216	1s shake-up excitations in NaF, NaCl, NaBr, and Na ₂ SO ₄ . Solid State Communications, 1994, 91, 555-558.	0.9	8

#	ARTICLE	IF	CITATIONS
217	The interaction of Cu(100)-Fe surfaces with oxygen studied by X-ray photoelectron spectroscopy. Surface Science, 1994, 317, 295-302.	0.8	36
218	UPS and XPS studies of Cu clusters on graphite. Surface Science, 1994, 307-309, 922-926.	0.8	27
219	XPS studies on SiO _x thin films. Applied Surface Science, 1993, 70-71, 222-225.	3.1	252
220	Extended fine Auger structure investigation of discontinuous copper films deposited on graphite. Surface Science, 1993, 287-288, 1087-1091.	0.8	4
221	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
222	1s shake-up x-ray photoelectron spectrum of Na in NaCl and other Na salts. Physical Review B, 1993, 48, 13430-13433.	1.1	11
223	Structural investigation of gaseous, liquid, and solid Br ₂ by x-ray absorption. Physical Review E, 1993, 48, 4575-4583.	0.8	21
224	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
225	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.	0.8	3
226	Extended energy loss fine structure technique: an analytical tool for surface and bulk characterization. Vacuum, 1992, 43, 393-396.	1.6	0
227	L _{2,3} edges of chromium: comparison between electron energy loss spectra in transmission and reflection mode. Solid State Communications, 1992, 83, 921-925.	0.9	7
228	Determination of stoichiometry of SiO _x thin films using an Auger parameter. Thin Solid Films, 1992, 213, 158-159.	0.8	20
229	Structural investigation of the Cr/Si interface. Surface Science, 1991, 251-252, 579-582.	0.8	7
230	Electronic structure of Cr clusters on graphite. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 20, 387-390.	1.0	12
231	Structural study of thin films by extended energy loss fine structure spectroscopy. Thin Solid Films, 1990, 193-194, 289-304.	0.8	5
232	Extended fine-auger-structure investigation of discontinuous chromium films. Thin Solid Films, 1990, 193-194, 318-324.	0.8	7
233	Structural characterization of supported chromium clusters by extended energy-loss fine structure. Surface and Interface Analysis, 1990, 16, 14-17.	0.8	6
234	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

#	ARTICLE	IF	CITATIONS
235	Simultaneous Growth of MWCNTs at Different Temperatures in a Variable Gradient Furnace. Solid State Phenomena, 0, 154, 77-82.	0.3	1