Roberto Rella

List of Publications by Year in Descending Order

193 papers	4,370 citations	39 h-index	52 g-index
226 ext. papers	4,741 ext. citations	5.1 avg, IF	4.84 L-index

#	Paper	IF	Citations
193	Magnetophotonics for sensing and magnetometry toward industrial applications. *Journal of Applied Physics*, **2021**, 130, 230901	2.5	4
192	Nanoplasmonic Biosensing Approach for Endotoxin Detection in Pharmaceutical Field. *Chemosensors*, **2021**, 9, 10	4	7
191	Monolayer colloidal lithography protocol: theoretical assessment and applicative potentialities for metal nanohole fabrication. *Applied Surface Science Advances*, **2021**, 5, 100097	2.6	
190	MagnetoPlasmonic Waves/HOMO-LUMO Free Electron Transitions Coupling in Organic Macrocycles and Their Effect in Sensing Applications. *Chemosensors*, **2021**, 9, 272	4	
189	Peroxides and Bisphenols Detection in Extra Virgin Olive Oil (EVOO) by Plasmonic Nanodomes Transducers. *Chemosensors*, **2020**, 8, 83	4	0
188	Nano structures and polymers: Emerging nanocomposites for plasmonic resonance transducers. *Thin Solid Films*, **2020**, 698, 137859	2.2	2
187	Mixing enhancement induced by viscoelastic micromotors in microfluidic platforms. *Chemical Engineering Journal*, **2020**, 391, 123572	14.7	11
186	Short-range ordered 2D nanoholes: lattice-model and novel insight into the impact of coordination geometry and packing on their propagating-mode transmittance features. *Nanoscale Advances*, **2020**, 2, 4133-4146	5.1	2
185	Long- and Short-Range Ordered Gold Nanoholes as Large-Area Optical Transducers in Sensing Applications. *Chemosensors*, **2019**, 7, 13	4	3
184	Gold nanoholes fabricated by colloidal lithography: novel insights into nanofabrication, short-range correlation and optical properties. *Nanoscale*, **2019**, 11, 8416-8432	7.7	11
183	Lab-on-a-brane for spheroid formation. *Biofabrication*, **2019**, 11, 021002	10.5	3
182	Protocol of thermal aging against the swelling of poly(dimethylsiloxane) and physical insight in swelling regimes. *Polymer*, **2018**, 139, 145-154	3.9	5
181	[18F]F-DOPA synthesis by poly(dimethylsiloxane)-based platforms: thermal aging protocol to reduce chemicals-induced damage. *Sensors and Actuators B: Chemical*, **2018**, 254, 143-152	8.5	5
180	Magneto-Optical properties of noble-metal nanostructures: functional nanomaterials for bio sensing. *Scientific Reports*, **2018**, 8, 12640	4.9	34
179	Opto-Plasmonic Biosensors for Monitoring Wheat End-Products Quality. *Lecture Notes in Electrical Engineering*, **2018**, 194-199	0.2	
178	Iron Oxides Nanoparticles Langmuir-Schaeffer Multilayers for Chemoresistive Gas Sensing. *Lecture Notes in Electrical Engineering*, **2018**, 66-72	0.2	
177	Interaction-tailored organization of large-area colloidal assemblies. *Beilstein Journal of Nanotechnology*, **2018**, 9, 1582-1593	3	10

176	Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor. *Sensors and Actuators B: Chemical*, **2017**, 246, 1039-1048	8.5	20
175	Practical strategy to realistically measure the swelling ratio of poly(dimethylsiloxane) without underestimation due to the solvent volatility. *Polymer*, **2017**, 113, 187-192	3.9	3
174	Decoration of silica nanowires with gold nanoparticles through ultra-short pulsed laser deposition. *Applied Surface Science*, **2017**, 418, 430-436	6.7	7
173	Palladium/Fe2O3 nanoparticle mixtures for acetone and NO2 gas sensors. *Sensors and Actuators B: Chemical*, **2017**, 243, 895-903	8.5	27
172	Volatile Organic Compounds sensing properties of TbPc2 thin films: Towards a plasmon-enhanced opto-chemical sensor. *Sensors and Actuators B: Chemical*, **2017**, 253, 266-274	8.5	8
171	Functional magneto-plasmonic biosensors transducers: Modelling and nanoscale analysis. *Sensors and Actuators B: Chemical*, **2017**, 239, 100-112	8.5	18
170	Au nanoparticles decoration of silica nanowires for improved optical bio-sensing. *Sensors and Actuators B: Chemical*, **2016**, 226, 589-597	8.5	12
169	3D plasmonic transducer based on gold nanoparticles produced by laser ablation on silica nanowires. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	2
168	Colloidal lithography fabrication of tunable plasmonic nanostructures **2015**,		1
167	**2015**,		1
166	Real time oil control by surface plasmon resonance transduction methodology. *Sensors and Actuators A: Physical*, **2015**, 223, 97-104	3.9	13
165	Three-dimensional Plasmonic Materials for Chemical Sensor Application. *Lecture Notes in Electrical Engineering*, **2015**, 171-175	0.2	
164	Surface Plasmon Resonance Optical Sensors for Engine Oil Monitoring. *Lecture Notes in Electrical Engineering*, **2015**, 115-118	0.2	1
163	Enhanced antibody recognition with a magneto-optic surface plasmon resonance (MO-SPR) sensor. *Biosensors and Bioelectronics*, **2014**, 58, 114-20	11.8	53
162	Silica Nanowires Decorated with Metal Nanoparticles for Refractive Index Sensors: Three-Dimensional Metal Arrays and Light Trapping at Plasmonic Resonances. *Journal of Physical Chemistry C*, **2014**, 118, 685-690	3.8	38
161	Fe3O4/Fe2O3 nanoparticle multilayers deposited by the Langmuir-Blodgett technique for gas sensors application. *Langmuir*, **2014**, 30, 1190-7	4	59
160	MAPLE deposition of nanomaterials. *Applied Surface Science*, **2014**, 302, 92-98	6.7	15
159	Optical and morphological characterization of bispyrazole thin films for gas sensing applications. *Arabian Journal of Chemistry*, **2014**, 7, 695-700	5.9	0

158	Nitrogen Dioxide and Acetone Sensors Based on Iron Oxide Nanoparticles. *Key Engineering Materials*, **2014**, 605, 318-321	0.4	1
157	FEM Modeling of Nanostructures for Sensor Application. *Lecture Notes in Electrical Engineering*, **2014**, 287-291	0.2	
156	Gas Sensing Characterization by Magneto-optic Surface Plasmon Resonance Technique. *Lecture Notes in Electrical Engineering*, **2014**, 99-102	0.2	
155	Enhanced magneto-optical SPR platform for amine sensing based on Zn porphyrin dimers. *Sensors and Actuators B: Chemical*, **2013**, 182, 232-238	8.5	29
154	Improved gas sensing performances in SPR sensors by transducers activation. *Sensors and Actuators B: Chemical*, **2013**, 179, 175-186	8.5	31
153	SPR based immunosensor for detection of Legionella pneumophila in water samples. *Optics Communications*, **2013**, 294, 420-426	2	34
152	Nitric Dioxide and Acetone Sensors Based on Iron Oxide Nanoparticles. *Sensor Letters*, **2013**, 11, 2322-2326	0.9	7
151	Enhancement of the optically activated NO2 gas sensing response of brookite TiO2 nanorods/nanoparticles thin films deposited by matrix-assisted pulsed-laser evaporation. *Sensors and Actuators B: Chemical*, **2012**, 161, 869-879	8.5	29
150	Oxide nanoparticle arrays for sensors of CO and NO2 gases. *Vacuum*, **2012**, 86, 590-593	3.7	11
149	Matrix-assisted pulsed laser deposition of polymer and nanoparticle films. *Vacuum*, **2012**, 86, 661-666	3.7	10
148	Solid-state detection of gases by use of thin films based on pyrazole units, and morphological characterization of the films by AFM. *Research on Chemical Intermediates*, **2012**, 38, 2245-2254	2.8	1
147	Nanoparticle Langmuir-Blodgett Arrays for Sensing of CO and NO2 Gases. *Physics Procedia*, **2012**, 32, 152-156		1
146	Photoluminescence quenching processes by NO2 adsorption in ZnO nanostructured films. *Journal of Applied Physics*, **2012**, 111, 073520	2.5	18
145	Ethane-Bridged Zn Porphyrins Dimers in Langmuir-Schaefer Thin Films: Spectroscopic, Morphologic, and Magneto-Optical Surface Plasmon Resonance Characterization. *Journal of Physical Chemistry C*, **2012**, 116, 10734-10742	3.8	28
144	TiO2 brookite nanostructured thin layer on magneto-optical surface plasmon resonance transductor for gas sensing applications. *Journal of Applied Physics*, **2012**, 112, 053524	2.5	19
143	Structural characterization of ultrathin Cr-doped ITO layers deposited by double-target pulsed laser ablation. *Journal Physics D: Applied Physics*, **2011**, 44, 365403	3	8
142	New complexes based on tridentate bispyrazole ligand for optical gas sensing. *Materials Chemistry and Physics*, **2011**, 126, 375-380	4.4	8
141	Zinc oxide nanostructured layers for gas sensing applications. *Laser Physics*, **2011**, 21, 588-597	1.2	3

140	Films of brookite TiO2 nanorods/nanoparticles deposited by matrix-assisted pulsed laser evaporation as NO2 gas-sensing layers. *Applied Physics A: Materials Science and Processing*, **2011**, 104, 963-968	2.6	21
139	Study of titania nanorod films deposited by matrix-assisted pulsed laser evaporation as a function of laser fluence. *Applied Physics A: Materials Science and Processing*, **2011**, 105, 605-610	2.6	3
138	Enhanced gas sensing performance of TiO2 functionalized magneto-optical SPR sensors. *Journal of Materials Chemistry*, **2011**, 21, 16049		67
137	Plasmonic and Magneto-Plasmonic Nanostructured Materials for Sensors and Biosensors Application. *Lecture Notes in Electrical Engineering*, **2011**, 203-208	0.2	
136	Bis-Pyrazole Based Thin Films for Optical Gas Detection. *Lecture Notes in Electrical Engineering*, **2011**, 81-86	0.2	1
135	Physical and Morphological Characterization of an Innovative System Control for the Accurate Execution of Lung Surgery. *Lecture Notes in Electrical Engineering*, **2011**, 199-202	0.2	
134	Colloidal Au-enhanced surface plasmon resonance imaging: application in a DNA hybridization process. *Journal of Optics (United Kingdom)*, **2010**, 12, 035003	1.7	17
133	Oxygen optical gas sensing by reversible fluorescence quenching in photo-oxidized poly(9,9-dioctylfluorene) thin films. *Journal of Physical Chemistry B*, **2010**, 114, 1559-61	3.4	18
132	Sensitive coating for water vapors detection based on thermally sputtered calcein thin films. *Talanta*, **2010**, 82, 1392-6	6.2	10
131	Electrical and optical properties of ITO and ITO/Cr-doped ITO films. *Applied Physics A: Materials Science and Processing*, **2010**, 101, 753-758	2.6	11
130	Dependence of the surface roughness of MAPLE-deposited films on the solvent parameters. *Applied Physics A: Materials Science and Processing*, **2010**, 101, 759-764	2.6	22
129	Optical gas sensing through nanostructured ZnO films with different morphologies. *Sensors and Actuators B: Chemical*, **2010**, 145, 167-173	8.5	49
128	Thin layer porphyrinogen for alcohol-vapor optical sensors. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 1140-1147	1.8	4
127	MAPLE deposition and characterization of SnO2colloidal nanoparticle thin films. *Journal Physics D: Applied Physics*, **2009**, 42, 095105	3	21
126	Synthesis and characterization of optically transparent epoxy matrix nanocomposites. *Materials Science and Engineering C*, **2009**, 29, 1798-1802	8.3	19
125	Study of temperature dependence and angular distribution of poly(9,9-dioctylfluorene) polymer films deposited by matrix-assisted pulsed laser evaporation (MAPLE). *Applied Surface Science*, **2009**, 255, 9659-9664	6.7	15
124	Nanoparticle thin films for gas sensors prepared by matrix assisted pulsed laser evaporation. *Sensors*, **2009**, 9, 2682-96	3.8	63
123	Real-time monitoring ofcarbonariusDNA structured biochip by surface plasmon resonance imaging. *Journal of Optics*, **2008**, 10, 064018		3

122	Nanoparticle thin films deposited by MAPLE for sensor applications **2008**,		3
121	Listeria monocytogenes detection with surface plasmon resonance and protein arrays **2008**,		4
120	MAPLE deposition of methoxy Ge triphenylcorrole thin films. *Applied Physics A: Materials Science and Processing*, **2008**, 93, 651-654	2.6	28
119	Surface plasmon resonance imaging technique for nucleic acid detection. *Sensors and Actuators B: Chemical*, **2008**, 130, 82-87	8.5	24
118	Surface plasmon resonance optical gas sensing of nanostructured ZnO films. *Sensors and Actuators B: Chemical*, **2008**, 130, 531-537	8.5	46
117	Optical gas sensing of TiO2 and TiO2/Au nanocomposite thin films. *Sensors and Actuators B: Chemical*, **2008**, 132, 107-115	8.5	78
116	Uniform thin films of TiO2 nanoparticles deposited by matrix-assisted pulsed laser evaporation. *Applied Surface Science*, **2007**, 253, 6471-6475	6.7	27
115	Surface plasmon resonance study on the optical sensing properties of nanometric polyimide films to volatile organic vapours. *Sensors and Actuators B: Chemical*, **2007**, 120, 712-718	8.5	11
114	Acetone and ethanol solid-state gas sensors based on TiO2 nanoparticles thin film deposited by matrix assisted pulsed laser evaporation. *Sensors and Actuators B: Chemical*, **2007**, 127, 426-431	8.5	134
113	Optical response of plasma-deposited zinc phthalocyanine films to volatile organic compounds. *Sensors and Actuators B: Chemical*, **2007**, 127, 150-156	8.5	17
112	TiO2 nanoparticle thin film deposition by matrix assisted pulsed laser evaporation for sensing applications. *Applied Surface Science*, **2007**, 253, 7937-7941	6.7	29
111	Thin films of TiO2 nanocrystals with controlled shape and surface coating for surface plasmon resonance alcohol vapour sensing. *Sensors and Actuators B: Chemical*, **2007**, 126, 562-572	8.5	26
110	Heterogeneous optochemical VOC sensing layers selected by ESI-mass spectrometry. *Biosensors and Bioelectronics*, **2006**, 22, 415-22	11.8	4
109	A novel multisensing optical approach based on a single phthalocyanine thin films to monitoring volatile organic compounds. *Sensors and Actuators B: Chemical*, **2006**, 113, 516-525	8.5	34
108	Optochemical vapour detection using spin coated thin film of ZnTPP. *Sensors and Actuators B: Chemical*, **2006**, 115, 12-16	8.5	46
107	Determination of optical parameters of colloidal TiO2 nanocrystals-based thin films by using surface plasmon resonance measurments for sensing applications. *Sensors and Actuators B: Chemical*, **2006**, 115, 365-373	8.5	14
106	Au nanoparticles prepared by physical method on Si and sapphire substrates for biosensor applications. *Journal of Physical Chemistry B*, **2005**, 109, 17347-9	3.4	68
105	TiO2 nanocrystal films for sensing applications based on surface plasmon resonance. *Synthetic Metals*, **2005**, 148, 25-29	3.6	29

104	Chemical Characteristics and Biological Activity of Organic Substances Extracted from Soils by Root Exudates. *Soil Science Society of America Journal*, **2005**, 69, 2012-2019	2.5	47
103	Surface plamon resonance imaging of DNA based biosensors for potential applications in food analysis. *Biosensors and Bioelectronics*, **2005**, 21, 894-900	11.8	69
102	Optical characterization and analysis of the gas/surface adsorption phenomena on phthalocyanines thin films for gas sensing application. *Sensors and Actuators B: Chemical*, **2005**, 106, 212-220	8.5	47
101	Study of the gas optical sensing properties of Au-polyimide nanocomposite films prepared by ion implantation. *Sensors and Actuators B: Chemical*, **2005**, 111-112, 225-229	8.5	32
100	Gold/titania nanocomposites thin films for optical gas sensing devices **2005**,		3
99	Liquid phase SPR imaging experiments for biosensors applications. *Biosensors and Bioelectronics*, **2004**, 20, 1140-8	11.8	24
98	Preparation and characterization of cobalt porphyrin modified tin dioxide films for sensor applications. *Sensors and Actuators B: Chemical*, **2004**, 103, 339-343	8.5	60
97	Solid State Gas Sensors: State of the Art and Future Activities. *ChemInform*, **2004**, 35, no		38
96	Investigation on alcohol vapours/TiO2 nanocrystal thin films interaction by SPR technique for sensing application. *Sensors and Actuators B: Chemical*, **2004**, 100, 75-80	8.5	43
95	Spin-coated thin films of metal porphyrin–phthalocyanine blend for an optochemical sensor of alcohol vapours. *Sensors and Actuators B: Chemical*, **2004**, 100, 88-93	8.5	70
94	UV-Vis absorption optosensing materials based on metallophthalocyanines thin films. *Sensors and Actuators B: Chemical*, **2004**, 100, 135-138	8.5	25
93	Sorption of amines by the Langmuir-Blodgett films of soluble cobalt phthalocyanines: evidence for the supramolecular mechanisms. *Biosensors and Bioelectronics*, **2004**, 20, 1177-84	11.8	18
92	Spontaneous deposition of amphiphilic porphyrin films on glass. *New Journal of Chemistry*, **2004**, 28, 1123	3.6	32
91	Role of osmium in the electrical transport mechanism of polycrystalline tin oxide thin films. *Applied Physics Letters*, **2004**, 84, 744-746	3.4	19
90	Variation in the Optical Sensing Responses toward Vapors of a Porphyrin/Phthalocyanine Hybrid Thin Film. *Chemistry of Materials*, **2004**, 16, 2083-2090	9.6	41
89	In2O3 Thin Films Obtained Through a Chemical Complexation Based Sol-Gel Process and Their Application as Gas Sensor Devices. *Journal of Sol-Gel Science and Technology*, **2003**, 26, 741-744	2.3	36
88	Automotive application of sol–gel TiO2 thin film-based sensor for lambda measurement. *Sensors and Actuators B: Chemical*, **2003**, 95, 66-72	8.5	56
87	Analysis of dry salami by means of an electronic nose and correlation with microbiological methods. *Sensors and Actuators B: Chemical*, **2003**, 95, 123-131	8.5	18

86	Optochemical vapour detection using spin coated thin films of metal substituted phthalocyanines. *Sensors and Actuators B: Chemical*, **2003**, 89, 86-91	8.5	44
85	Metallophthalocyanines thin films in array configuration for electronic optical nose applications. *Sensors and Actuators B: Chemical*, **2003**, 96, 489-497	8.5	41
84	Hall effect measurements in gas sensors based on nanosized Os-doped sol-gel derived SnO2 thin films. *IEEE Sensors Journal*, **2003**, 3, 827-834	4	12
83	Thin film construction and characterization and gas-sensing performances of a tailored phenylene-thienylene copolymer. *Journal of the American Chemical Society*, **2003**, 125, 9055-61	16.4	44
82	Synthesis of tailored phthalocyanines and their application as spin coated films in volatile organic compound detection. *Journal of Porphyrins and Phthalocyanines*, **2003**, 07, 572-578	1.8	9
81	Structural and optical properties of molybdenum–tungsten mixed oxide thin films deposited by the sol-gel technique. *Journal of Applied Physics*, **2003**, 93, 3816-3822	2.5	13
80	Preparation and characterization of nanostructured materials for an artificial olfactory sensing system. *Sensors and Actuators B: Chemical*, **2002**, 84, 55-59	8.5	16
79	NO2 sensitivity of gadolinium bis-phthalocyanine assemblies prepared by ultra-fast LB deposition. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 198-200, 791-796	5.1	10
78	Poly[3-(butylthio)thiophene] Langmuir–Blodgett films as selective solid state chemiresistors for nitrogen dioxide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 198-200, 829-833	5.1	12
77	Optical recognition of organic vapours through ultrathin calix[4]pyrrole films. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 198-200, 869-873	5.1	29
76	Structural study of meso-octaethylcalix[4]pyrrole Langmuir–Blodgett films used as gas sensors. *Materials Science and Engineering C*, **2002**, 19, 27-31	8.3	8
75	A SERS study of self-assembled (4-methylmercapto)benzaldehyde thin films. *Materials Science and Engineering C*, **2002**, 22, 183-186	8.3	5
74	Deposition and application in gas sensors of thin films of a bridged chain dialkoxy PPV derivative. *Materials Science and Engineering C*, **2002**, 22, 445-448	8.3	10
73	Tests in controlled atmosphere on new optical gas sensing layers based on TiO2/metal-phthalocyanines hybrid system. *Materials Science and Engineering C*, **2002**, 22, 439-443	8.3	30
72	Recognition of olive oils by means of an integrated sol–gel SnO2 Electronic Nose. *Thin Solid Films*, **2002**, 418, 59-65	2.2	27
71	Moisture influence and geometry effect of Au and Pt electrodes on CO sensing response of SnO2 microsensors based on sol–gel thin film. *Sensors and Actuators B: Chemical*, **2001**, 77, 503-511	8.5	59
70	Comparison and integration of arrays of quartz resonators and metal-oxide semiconductor chemoresistors in the quality evaluation of olive oils. *Sensors and Actuators B: Chemical*, **2001**, 78, 303-309	8.5	27
69	. *Journal of Sol-Gel Science and Technology*, **2001**, 21, 195-201	2.3	11

68	Sol-Gel Synthesis and Gas Sensing Properties of In203 Thin Films **2001**,		2
67	Gas sensing measurements and analysis of the optical properties of poly[3-(butylthio)thiophene] LangmuirBlodgett films. *Sensors and Actuators B: Chemical*, **2000**, 68, 203-209	8.5	36
66	Analysis of vapours and foods by means of an electronic nose based on a solgel metal oxide sensors array. *Sensors and Actuators B: Chemical*, **2000**, 69, 230-235	8.5	65
65	A comparison between V2O5 and WO3 thin films as sensitive elements for NO detection. *Thin Solid Films*, **1999**, 350, 264-268	2.2	41
64	A study of physical properties and gas-surface interaction of vanadium oxide thin films. *Thin Solid Films*, **1999**, 349, 254-259	2.2	27
63	Optical characterisation of CN thin films deposited by reactive pulsed laser ablation. *Thin Solid Films*, **1999**, 349, 100-104	2.2	19
62	LangmuirBlodgett films of poly[3-(butylthio)thiophene]: optical properties and electrical measurements in controlled atmosphere. *Sensors and Actuators B: Chemical*, **1999**, 57, 125-129	8.5	12
61	Air quality monitoring by means of solgel integrated tin oxide thin films. *Sensors and Actuators B: Chemical*, **1999**, 58, 283-288	8.5	44
60	A novel gas sensor based on SnO2/Os thin film for the detection of methane at low temperature. *Sensors and Actuators B: Chemical*, **1999**, 58, 350-355	8.5	63
59	Solgel derived pure and palladium activated tin oxide films for gas-sensing applications. *Sensors and Actuators B: Chemical*, **1999**, 55, 134-139	8.5	33
58	Sprayed SnO2 thin films for NO2 sensors. *Sensors and Actuators B: Chemical*, **1999**, 58, 370-374	8.5	42
57	A SnO2 microsensor device for sub-ppm NO2 detection. *Sensors and Actuators B: Chemical*, **1999**, 58, 552-555	8.5	12
56	Gas Sensitivity Measurements on NO2 Sensors Based on Copper(II) Tetrakis(n-butylaminocarbonyl)phthalocyanine LB Films. *Langmuir*, **1999**, 15, 1748-1753	4	81
55	Integration of SnO 2 sol-gel processes to gas sensor microfabrication: H2 and CO sensitivity evaluation **1999**,		1
54	An ellipsometric study of LB films in a controlled atmosphere. *Sensors and Actuators B: Chemical*, **1998**, 48, 328-332	8.5	14
53	Novel nitroso-compounds LangmuirBlodgett films. *Thin Solid Films*, **1998**, 327-329, 136-140	2.2	1
52	On the characterisation and gas sensing properties of Cu(II) tetra(alkylamino carbonyl) phthalocyanine LB films. *Thin Solid Films*, **1998**, 327-329, 465-468	2.2	18
51	Conducting polymers doped with metallic inclusions: New materials for gas sensors. *Sensors and Actuators B: Chemical*, **1998**, 48, 362-367	8.5	70

50	Square and collinear four probe array and Hall measurements on metal oxide thin film gas sensors. *Sensors and Actuators B: Chemical*, **1998**, 53, 69-75	8.5	18
49	Ordered Langmuir-Blodgett multilayers of copper phthalocyanine derivatives. *Materials Science and Engineering C*, **1998**, 5, 243-250	8.3	2
48	Langmuir-Blodgett films of a phthalocyanine symmetrically functionalized with eight ester units. *Materials Science and Engineering C*, **1998**, 5, 317-320	8.3	9
47	5-Amino-3-imino-1,2,6,7-tetracyano-3H-pyrrolizine: characterization of the solvent-free solid phase and interaction with ammonia and water. *Journal of Materials Chemistry*, **1998**, 8, 1139-1144		2
46	Physical characterization of hafnium oxide thin films and their application as gas sensing devices. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1998**, 16, 3564-3568	2.9	71
45	Physical properties of osmium doped tin oxide thin films. *Journal of Applied Physics*, **1998**, 83, 2369-2371	2.5	15
44	Properties of vanadium oxide thin films for ethanol sensor. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1997**, 15, 34-38	2.9	72
43	Titanium oxide thin films for NH3 monitoring: Structural and physical characterizations. *Journal of Applied Physics*, **1997**, 82, 54-59	2.5	66
42	NO2 gas detection by Langmuir-Blodgett films of copper phthalocyanine multilayer structures. *Supramolecular Science*, **1997**, 4, 461-464		35
41	CO sensing properties of SnO2 thin films prepared by the sol-gel process. *Thin Solid Films*, **1997**, 304, 339-343	2.2	64
40	Tin oxide-based gas sensors prepared by the sol□gel process. *Sensors and Actuators B: Chemical*, **1997**, 44, 462-467	8.5	55
39	Langmuir□Blodgett Multilayers Based on Copper Phthalocyanine as Gas Sensor Materials: Active Layer□Gas Interaction Model and Conductivity Modulation. *Langmuir*, **1997**, 13, 6562-6567	4	77
38	Gas-sensing properties of multilayers of two new macrocyclic copper complexes. *Sensors and Actuators B: Chemical*, **1997**, 44, 585-589	8.5	8
37	Applications in gas-sensing devices of a new macrocyclic copper complex. *Sensors and Actuators B: Chemical*, **1997**, 42, 53-58	8.5	14
36	C-nitroso compounds as novel promising substances for the deposition of Langmuir-Blodgett films. *Thin Solid Films*, **1996**, 284-285, 69-72	2.2	2
35	Characterization of novel copper phthalocyanine Langmuir-Blodgett films for NO2 detection. *Thin Solid Films*, **1996**, 284-285, 870-872	2.2	14
34	Langmuir-Blodgett films of Cu(II)-tetrakis (3,3-dimethylbutoxycarbonyl) phthalocyanine: a spectrophotometric and TEM analysis of their structure and morphology. *Thin Solid Films*, **1996**, 280, 249-255	2.2	27
33	Effects of NO2 oxidizing gas on a novel phthalocyanine Langmuir-Blodgett thin film. *Thin Solid Films*, **1996**, 286, 256-258	2.2	35

32	Deposition and Characterization of Nitroso-Compound LB Films. *Materials Science Forum*, **1996**, 203, 155-160	0.4	2
31	Influence of the Deposition Parameters on the Physical Properties of Tin Oxide Thin Films. *Materials Science Forum*, **1996**, 203, 143-148	0.4	17
30	Characteristics of reactively sputtered Pt-SnO2 thin films for CO gas sensors. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1996**, 14, 2215-2219	2.9	24
29	Electrical and optical characterization of electron beam evaporated In2Se3 thin films. *Physica Status Solidi A*, **1995**, 148, 431-438		46
28	Properties of reactively sputtered tin oxide films as CO gas sensors. *Sensors and Actuators B: Chemical*, **1995**, 23, 193-195	8.5	19
27	SnO2 thin films for gas sensor prepared by r.f. reactive sputtering. *Sensors and Actuators B: Chemical*, **1995**, 25, 465-468	8.5	39
26	Physical characterization of In2Se3 thin films prepared by electron beam evaporation. *Vacuum*, **1995**, 46, 997-1000	3.7	11
25	Deep levels in indium selenide single crystals doped with iodine. *Journal of Applied Physics*, **1995**, 78, 5427-5430	2.5	3
24	Structural and spectroscopic characterization of Cu(II) [tetrakis-(3,3-dimethyl-l-butoxycarbonyl)] phthalocyanine thin films deposited by the Langmuir-Blodgett technique. *Thin Solid Films*, **1995**, 265, 58-65	2.2	41
23	Hall effect and impurity levels in lead doped indium selenide. *Journal of Applied Physics*, **1994**, 75, 3982-3986	2.5	1
22	Preparation and characterization of Langmuir-Blodgett films containing fullerene. *Thin Solid Films*, **1994**, 243, 367-370	2.2	23
21	Optical properties of Langmuir-Blodgett films of the mixture C60-arachidic acid. *Physica Status Solidi A*, **1994**, 143, K129-K133		4
20	Optical absorption and structural characterization of reactively sputtered tellurium suboxide thin films. *Applied Surface Science*, **1993**, 65-66, 313-318	6.7	7
19	Optical Absorption of Tellurium Suboxide Thin Films. *Physica Status Solidi A*, **1993**, 136, K101-K104		70
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