Luigi Sangaletti

List of Publications by Year
in descending order

165	3,380	134610 34	232693 48
papers	citations	h-index	g-index

166	166	166	5313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methyl (â€“CH₃)-terminated ZnO nanowires for selective acetone detection: a novel approach toward sensing performance enhancement via self-assembled monolayer. Journal of Materials Chemistry A, 2022, 10, 3178-3189.	5.2	9
2	Chemical Defectâ€Driven Response on Grapheneâ€Based Chemiresistors for Subâ€ppm Ammonia Detection. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
3	Chemical Defectâ€Driven Response on Grapheneâ€Based Chemiresistors for Subâ€ppm Ammonia Detection. Angewandte Chemie, 2022, 134, .	1.6	2
4	Fast-tracking of NH3 interaction with ZnO nanorods and C/ZnO hybrid nanostructures by operando spectroscopy. Applied Surface Science, 2022, 590, 153067.	3.1	2
5	Pushing Down the Limit of NH₃ Detection of Graphene-Based Chemiresistive Sensors through Functionalization by Thermally Activated Tetrazoles Dimerization. ACS Nano, 2022, 16, 10456-10469.	7.3	8
6	Exploring the performance of a functionalized CNT-based sensor array for breathomics through clustering and classification algorithms: from gas sensing of selective biomarkers to discrimination of chronic obstructive pulmonary disease. RSC Advances, 2021, 11, 30270-30282.	1.7	12
7	Surface and interface effects on the currentâ€“voltage characteristic curves of multiwall carbon nanotube-Si hybrid junctions selectively probed through exposure to HF vapors and ppm-NO2. Journal of Applied Physics, 2021, 129, 055306.	1.1	3
8	Photoinduced modulation of the excitonic resonance via coupling with coherent phonons in a layered semiconductor. Physical Review Research, 2021, 3, .	1.3	9
9	SAM Functionalized ZnO Nanowires for Selective Acetone Detection: Optimized Surface Specific Interaction Using APTMS and GLYMO Monolayers. Advanced Functional Materials, 2020, 30, 2003217.	7.8	46
10	Gas Sensing with Solar Cells: The Case of NH3 Detection through Nanocarbon/Silicon Hybrid Heterojunctions. Nanomaterials, 2020, 10, 2303.	1.9	3
11	High-temperature nitrogen annealing induced bonding states and photoluminescence changes in inductively coupled plasma torch synthesized silicon nanostructures. Journal of Applied Physics, 2020, 128, .	1.1	3
12	Development of a Sensing Array for Human Breath Analysis Based on SWCNT Layers Functionalized with Semiconductor Organic Molecules. Advanced Healthcare Materials, 2020, 9, e2000377.	3.9	44
13	Impact of covalent functionalization by diazonium chemistry on the electronic properties of graphene on SiC. Nanoscale, 2020, 12, 9032-9037.	2.8	29
14	Interface Chemistry of Graphene/Cu Grafted By 3,4,5-Tri-Methoxyphenyl. Scientific Reports, 2020, 10, 4114.	1.6	12
15	Deep neural network for x-ray photoelectron spectroscopy data analysis. Machine Learning: Science and Technology, 2020, 1, 015008.	2.4	11
16	Dramatic efficiency boost of single-walled carbon nanotube-silicon hybrid solar cells through exposure to ppm nitrogen dioxide in air: An ab-initio assessment of the measured device performances. Journal of Colloid and Interface Science, 2020, 566, 60-68.	5.0	6
17	Enhanced selectivity of target gas molecules through a minimal array of gas sensors based on nanoparticle-decorated SWCNTs. Analyst, The, 2019, 144, 4100-4110.	1.7	21
18	Enhanced air-stability of Sn-based hybrid perovskites induced by dimethylammonium (DMA): synthesis, characterization, aging and hydrogen photogeneration of the MA_{1â^'x}DMA_xSnBr₃system. Journal of Materials Chemistry C, 2019, 7, 7020-7026.	2.7	41

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19	Doping dependence of the magnitude of fluctuating spin moments in the normal state of the pnictide superconductor Sr(Fe1âˆ’xCox)2As2 inferred from photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	0
20	Band offset and gap tuning of tetragonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CuO</mml:mi><mml:mo>â</mml:mo><mml:mo>âˆ’</mml:mo><mml:mn>1</mml:mn></mml:mrow><mml:mi>x</mml:mi></mml:msub></mml:math> heterojunctions. Physical Review B, 2019, 99, .	1.1	7
21	Advanced promising routes of carbon/metal oxides hybrids in sensors: A review. Electrochimica Acta, 2018, 266, 139-150.	2.6	45
22	Rationalization of hydrogen production by bulk g-C₃N₄: an in-depth correlation between physico-chemical parameters and solar light photocatalysis. RSC Advances, 2018, 8, 39421-39431.	1.7	15
23	Effects of Nearlyâ€2D Oxygen Vacancy Clustering on the Magnetic Properties of d⁰ Systems: The Case of Anatase and Rutile TiO₂. Physica Status Solidi (B): Basic Research, 2018, 255, 1800058.	0.7	1
24	Improved recovery time and sensitivity to H2 and NH3 at room temperature with SnOx vertical nanopillars on ITO. Scientific Reports, 2018, 8, 10028.	1.6	18
25	Anomalous gas sensing behaviors to reducing agents of hydrothermally grown Î±-Fe2O3 nanorods. Sensors and Actuators B: Chemical, 2018, 273, 1237-1245.	4.0	17
26	Band Alignment at Heteroepitaxial Perovskite Oxide Interfaces. Experiments, Methods, and Perspectives. Advanced Materials Interfaces, 2017, 4, 1700144.	1.9	37
27	Hybridized Câ€“Oâ€“Si Interface States at the Origin of Efficiency Improvement in CNT/Si Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 16627-16634.	4.0	13
28	Humidity-enhanced sub-ppm sensitivity to ammonia of covalently functionalized single-wall carbon nanotube bundle layers. Nanotechnology, 2017, 28, 255502.	1.3	32
29	A cross-functional nanostructured platform based on carbon nanotube-Si hybrid junctions: where photon harvesting meets gas sensing. Scientific Reports, 2017, 7, 44413.	1.6	10
30	Gas sensing at the nanoscale: engineering SWCNT-ITO nano-heterojunctions for the selective detection of NH3 and NO2 target molecules. Nanotechnology, 2017, 28, 035502.	1.3	19
31	Identification of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:math> electronic states in graphene-Ni(111) growth through resonant and dichroic angle-resolved photoemission at the C <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math> -edge. Physical Review B, 2017, 96, .	1.1	3
32	Tracking the amorphous to epitaxial transition in RF-sputtered cubic BFO-STO heterojunctions by means of X-ray photoelectron diffraction. Applied Physics Letters, 2016, 109, .	1.5	5
33	Cation diffusion and hybridization effects at the Mn-GaSe(0001) reacted interface:Ab initiocalculations and soft x-ray electron spectroscopy studies. Physical Review B, 2016, 93, .	1.1	3
34	Correlation between Deposition Parameters and Hydrogen Production in CuO Nanostructured Thin Films. Langmuir, 2016, 32, 1510-1520.	1.6	28
35	Growth of hybrid carbon nanostructures on iron-decorated ZnO nanorods. Nanotechnology, 2016, 27, 145605.	1.3	3
36	Semiconducting Carbon Nanotubes: Properties, Characterization andÂSelected Applications. Nanoscience and Technology, 2016, , 239-259.	1.5	1

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37	Layer-Resolved Cation Diffusion and Stoichiometry at the LaAlO₃/SrTiO₃ Heterointerface Probed by X-ray Photoemission Experiments and Site Occupancy Modeling. ACS Applied Materials & Interfaces, 2015, 7, 25648-25657.	4.0	15
38	Amorphous Si layers co-doped with B and Mn: Thin film growth and steering of magnetic properties. Thin Solid Films, 2015, 590, 148-155.	0.8	1
39	Steering the Efficiency of Carbon Nanotubeâ€“Silicon Photovoltaic Cells by Acid Vapor Exposure: A Real-Time Spectroscopic Tracking. ACS Applied Materials & Interfaces, 2015, 7, 9436-9444.	4.0	21
40	Room temperature trimethylamine gas sensor based on aqueous dispersed graphene. , 2015, , .		1
41	Controlling the thickness of carbon nanotube random network films by the estimation of the absorption coefficient. Carbon, 2015, 95, 28-33.	5.4	20
42	Stoichiometry Gradient, Cation Interdiffusion, and Band Alignment between a Nanosized TiO₂ Blocking Layer and a Transparent Conductive Oxide in Dye-Sensitized Solar Cell Front Contacts. ACS Applied Materials & Interfaces, 2015, 7, 765-773.	4.0	8
43	Environmental Monitoring of Low-ppb Ammonia Concentrations Based on Single-wall Carbon Nanotube Chemiresistor Gas Sensors: Detection Limits, Response Dynamics, and Moisture Effects. Procedia Engineering, 2014, 87, 716-719.	1.2	19
44	Intrinsic origin of interface states and band-offset profiling of nanostructured <span class="aps-inline-formula"><math xmlns="http://www.w3.org/1998/Math/MathML"><mi mathvariant="normal">LaAlO</mi><msub><mrow></mrow><mn>3</mn></msub></mi></ mathvariant="normal">SrTiO</mi><msub><mrow></mrow><mn>3</mn></msub></math> heterojunctions probed by element-specific resonan. Physical Review B, 2014, 90, .	1.1	17
45	Selective Optical Switching of Interface-Coupled Relaxation Dynamics in Carbon Nanotubeâ€“Si Heterojunctions. Journal of Physical Chemistry C, 2014, 118, 24110-24116.	1.5	10
46	Transmission function calibration of an angular resolved analyzer for X-ray photoemission spectroscopy: Theory vs experiment. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 109-116.	0.8	55
47	High sensitivity, moisture selective, ammonia gas sensors based on single-walled carbon nanotubes functionalized with indium tin oxide nanoparticles. Carbon, 2014, 80, 356-363.	5.4	86
48	An ultrathin TiO2 blocking layer on Cd stannate as highly efficient front contact for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 16812.	1.3	21
49	Enhancing the sensitivity of chemiresistor gas sensors based on pristine carbon nanotubes to detect low-ppb ammonia concentrations in the environment. Analyst, The, 2013, 138, 7392.	1.7	105
50	Coordination chemistry for antibacterial materials: a monolayer of a Cu2+ 2,2â€²-bipyridine complex grafted on a glass surface. Dalton Transactions, 2013, 42, 4552.	1.6	21
51	Direct Evidence of Chemically Inhomogeneous, Nanostructured, Siâ€“O Buried Interfaces and Their Effect on the Efficiency of Carbon Nanotube/Si Photovoltaic Heterojunctions. Journal of Physical Chemistry C, 2013, 117, 18688-18696.	1.5	26
52	Adsorption geometry, conformation, and electronic structure of 2H-octaethylporphyrin on Ag(111) and Fe metalation in ultra high vacuum. Journal of Chemical Physics, 2013, 138, 144702.	1.2	18
53	Labeling interacting configurations through an analysis of excitation dynamics in a resonant photoemission experiment: the case of rutile TiO₂. Journal of Physics Condensed Matter, 2013, 25, 075502.	0.7	11
54	Band offsets and density of Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>states probed by x-ray photoemission on LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/SrTiO<mml:math xmlns:mml="http://www.w3.org/199	1.1	41

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55	Functional K-doping of eumelanin thin films: Density functional theory and soft x-ray spectroscopy experiments in the frame of the macrocyclic protomolecule model. Journal of Chemical Physics, 2012, 136, 204703.	1.2	4
56	Tracking the excitation dynamics in the Mn:Ge(111) metallic interface by resonant electron spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 235502.	0.7	3
57	Magnetism and electronic properties of Mn:Ge(111) interfaces probed by core level photoemission spectroscopy. Journal of Physics: Conference Series, 2012, 391, 012088.	0.3	0
58	Development of low-cost ammonia gas sensors and data analysis algorithms to implement a monitoring grid of urban environmental pollutants. Journal of Environmental Monitoring, 2012, 14, 1565.	2.1	25
59	Ferromagnetism in graphene-Mn(x)Si(1â^'x) heterostructures grown on 6H-SiC(0001). Journal of Applied Physics, 2012, 111, .	1.1	7
60	Controlled synthesis of carbon nanostructures using aligned ZnO nanorods as templates. Carbon, 2012, 50, 5472-5480.	5.4	22
61	Conformational Adaptation and Electronic Structure of 2H-Tetraphenylporphyrin on Ag(111) during Fe Metalation. Journal of Physical Chemistry C, 2011, 115, 4155-4162.	1.5	76
62	Spectroscopic evidence of in-gap states at the SrTiO3/LaAlO3 ultrathin interfaces. Applied Physics Letters, 2011, 98, .	1.5	43
63	Valence electronic structure of the indene molecule: Experiment vs. GW calculations. Physica Status Solidi (B): Basic Research, 2011, 248, 960-963.	0.7	7
64	Supramolecular Engineering through Temperatureâ€Induced Chemical Modification of 2Hâ€Tetraphenylporphyrin on Ag(111): Flat Phenyl Conformation and Possible Dehydrogenation Reactions. Chemistry - A European Journal, 2011, 17, 14354-14359.	1.7	58
65	Substrate Influence for the Znâ€tetraphenylâ€porphyrin Adsorption Geometry and the Interfaceâ€Induced Electron Transfer. ChemPhysChem, 2010, 11, 2248-2255.	1.0	24
66	TiO₂ thin films for spintronics application: a Raman study. Journal of Raman Spectroscopy, 2010, 41, 558-565.	1.2	74
67	Role of oxygen content on the magnetic properties of epitaxial anatase and rutile TiO₂thin films. Journal of Physics: Conference Series, 2010, 200, 072030.	0.3	2
68	Response to â€œComment on â€˜Enhancement of room temperature ferromagnetism in N-doped TiO2â^'x rutile: Correlation with the local electronic propertiesâ€™ â€•[Appl. Phys. Lett. 97, 186101(2010)]. Applied Physics Letters, 2010, 97, 186102.	1.5	4
69	Local electronic properties and magnetism of (Cd,Mn)Te quantum wells. Applied Physics Letters, 2010, 96, 142105.	1.5	2
70	Enhancement of room temperature ferromagnetism in N-doped TiO2â^'x rutile: Correlation with the local electronic properties. Applied Physics Letters, 2010, 97, 012506.	1.5	37
71	Effects of Potassium on the Supramolecular Structure and Electronic Properties of Eumelanin Thin Films. Langmuir, 2010, 26, 19007-19013.	1.6	14
72	Atomic approach to core-level spectroscopy of delocalized systems: Case of ferromagnetic metallicMn5Ge3. Physical Review B, 2010, 81, .	1.1	10

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73	Local order and hybridization effects for Mn ions probed by resonant soft x-ray spectroscopies: The Mn:CdTe(110) interface revisited. Physical Review B, 2010, 81, .	1.1	8
74	Polymerization effects and localized electronic states in condensed-phase eumelanin. Physical Review B, 2009, 80, .	1.1	16
75	Magnetic polaron percolation on a rutile lattice: A geometrical exploration in the limit of low density of magnetic impurities. Physical Review B, 2009, 80, .	1.1	6
76	Local coordination of Mn atoms at the Mn:Ge(111) interface from photoelectron diffraction experiments. Physical Review B, 2008, 77, .	1.1	7
77	Ferromagnetism and local electronic properties of rutile<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ti</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow> crystals. Physical Review B, 2008, 78, .	1.1	15
78	Interface formation and growth of ferromagnetic thin layers in the Mn:Ge(111) system probed by dichroic soft x-ray spectroscopies. Physical Review B, 2007, 75, .	1.1	24
79	Electronic Excitations in Synthetic Eumelanin Aggregates Probed by Soft X-ray Spectroscopies. Journal of Physical Chemistry B, 2007, 111, 5372-5376.	1.2	11
80	Magnetism and stability of the Co:TiO2(100) interface probed by X-ray photoemission and ex situ magnetometry. Surface Science, 2007, 601, 4375-4380.	0.8	9
81	Magnetic order in TM-doped TiO2 single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1264-1269.	0.8	4
82	Ferromagnetism on a paramagnetic host background: the case of rutile TM:TiO2single crystals (TM =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	48
83	Surface and electronic properties of the Mn:Ge(111) interface at the early stages of growth. Surface Science, 2006, 600, 4369-4374.	0.8	10
84	Electronic structure and molecular orientation of a Zn-tetra-phenyl porphyrin multilayer on Si(111). Surface Science, 2006, 600, 4013-4017.	0.8	44
85	Molecular orientations, electronic properties and charge transfer timescale in a Zn-porphyrin/C70 donorâ€“acceptor complex for solar cells. Surface Science, 2006, 600, 4018-4023.	0.8	26
86	Electronic properties of a pure and sodium-doped C70 single layer adsorbed on Al polycrystalline surface. Journal of Chemical Physics, 2005, 122, 054704.	1.2	5
87	Electronic properties of the ordered metallic Mn:Ge(111) interface. Physical Review B, 2005, 72, .	1.1	24
88	Sodium doped lanthanum manganites thin films: Influence of the oxygen content on the structural parameters. European Physical Journal Special Topics, 2004, 118, 165-171.	0.2	7
89	Resonant photoemission from Cd0.82Mn0.18Te single crystals at the Mn 2p â†' 3d absorption threshold. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 553-557.	0.8	1
90	Electronic properties of the Mnâ€“CdTe(110) interface probed by resonant photoemission at the Mn 2pâ€“3d absorption threshold. Surface Science, 2004, 566-568, 508-514.	0.8	3

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91	Spectroscopic characterization of contaminants and interaction with gases in single-walled carbon nanotubes. Carbon, 2004, 42, 2099-2112.	5.4	51
92	Spectroscopic characterization of contaminants and interaction with gases in single-walled carbon nanotubes. Carbon, 2004, 42, 2099-2099.	5.4	5
93	Electron transfer fromGdions to theCcage in endohedralGd@C82probed by resonant photoemission spectroscopy. Physical Review B, 2004, 70, .	1.1	17
94	Carbon nanotube bundles and thin layers probed by micro-Raman spectroscopy. European Physical Journal B, 2003, 31, 203-208.	0.6	8
95	Metallic phases of a C70 single layer adsorbed on Cu(111) doped with sodium. Surface Science, 2003, 532-535, 892-897.	0.8	4
96	Melting of nanostructured Sn probed by in-situ x-ray diffraction. Journal of Chemical Physics, 2003, 118, 1400-1403.	1.2	15
97	Giant resonant photoemission at the Mn2pâ†'3dabsorption threshold ofCd1â^'xMnxTe. Physical Review B, 2003, 67, .	1.1	7
98	X-ray photoelectron microscopy of the Câ€Š1s core level of free-standing single-wall carbon nanotube bundles. Applied Physics Letters, 2002, 80, 2165-2167.	1.5	38
99	C70 adsorbed on Cu(111): Metallic character and molecular orientation. Journal of Chemical Physics, 2002, 116, 7685-7690.	1.2	16
100	Coexistence of interfering and noninterfering channels in resonant photoemission spectra across the Cu2pâ†'3dthreshold. Physical Review B, 2002, 65, .	1.1	8
101	Sum rule to evaluate the exchange energy in core-level photoemission. Physical Review B, 2002, 66, .	1.1	15
102	Structural disorder in CdSxSe1â^'x films probed by microdiffraction experiments. Applied Surface Science, 2002, 186, 527-532.	3.1	16
103	Microanalytical study of Er-doped LiNbO3 crystals obtained by Erâ€“Li ion exchange. Journal of Non-Crystalline Solids, 2001, 280, 156-163.	1.5	5
104	Tuning the charge state of a C60 single layer on Ag(1 0 0) by Na deposition. Surface Science, 2001, 482-485, 606-611.	0.8	6
105	K3C60: a strongly correlated metal with molecular disorder. Surface Science, 2001, 482-485, 476-481.	0.8	2
106	Optical and morphological characterization of Si nanocrystals/silica composites prepared by solâ€“gel processing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 79, 55-62.	1.7	37
107	An X-ray study of the trimetallic LaxSm1â^'xFeO3 orthoferrites. Journal of the European Ceramic Society, 2001, 21, 719-726.	2.8	32
108	X-ray reflectivity spectra of ultrathin films and nanometric multilayers: Experiment and simulation. Journal of Materials Research, 2001, 16, 2556-2561.	1.2	3

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109	Surface and Bulk Normal State Transport Properties inK3C60. Physical Review Letters, 2001, 87, 076401.	2.9	28
110	Effect of disorder on the Raman scattering of CdSxSe1â^'x films deposited by laser ablation. Solid State Communications, 2000, 116, 115-119.	0.9	9
111	Influence of the completion of oxidation on the long-term response of RGTO SnO2 gas sensors. Sensors and Actuators B: Chemical, 2000, 66, 40-42.	4.0	34
112	Behaviour of the Zhangâ€"Rice singlet in CuGeO3, Bi2CuO4, and CuO. Journal of Electron Spectroscopy and Related Phenomena, 2000, 107, 49-62.	0.8	9
113	Growth and microstructural analysis of nanosized Y2O3 doped with rare-earths. Materials Chemistry and Physics, 2000, 66, 164-171.	2.0	39
114	Growth process analysis of a-Si1â^'xNx:H films probed by X-ray reflectivity. Materials Chemistry and Physics, 2000, 66, 172-176.	2.0	6
115	Temperature dependence of the electronic properties of K3C60 and K4C60 single-phase films investigated by means of electron spectroscopies. Journal of Chemical Physics, 2000, 113, 8266-8275.	1.2	24
116	Atomic Many-Body Effects for thep-Shell Photoelectron Spectra of Transition Metals. Physical Review Letters, 2000, 84, 2259-2262.	2.9	76
117	Loss structures in the photoemission spectra of MnO: A careful analysis of peak intensities. Physical Review B, 2000, 62, R7695-R7698.	1.1	6
118	Synthesis and Structural Characterization of Trimetallic Perovskiteâ€Type Rareâ€Earth Orthoferrites, La_xSm_{1â€"x}FeO₃. Journal of the American Ceramic Society, 2000, 83, 1087-1092.	1.9	44
119	Phase transition, molecular motions, and inequivalent carbon atoms inK3C60â€,(111)single-phase ordered films. Physical Review B, 1999, 59, 16071-16075.	1.1	14
120	Analysis of the Thermal Oxidation of Tin Droplets and Its Implications on Gas Sensor Stability. Journal of the Electrochemical Society, 1999, 146, 3527-3535.	1.3	22
121	A new modelling approach to superconductor layered structures. Solid State Communications, 1999, 110, 387-392.	0.9	3
122	Charge transfer quenching in the photoemission spectra of NiO. Solid State Communications, 1999, 112, 549-553.	0.9	0
123	Band dispersion effects on the Cu 2p3/2 X-ray photoemission core lines in cuprates. Solid State Communications, 1999, 113, 29-34.	0.9	2
124	Zhangâ€"Rice singlets in the photoemission spectra of CuGeO3, Bi2CuO4, and CuO. Physica B: Condensed Matter, 1999, 259-261, 1126-1127.	1.3	0
125	A study of the structural and mechanical properties of Ti=MoS2 coatings deposited by closed field unbalanced magnetron sputter ion plating. Surface and Coatings Technology, 1999, 116-119, 176-183.	2.2	47
126	Synthesis and optical properties of nanosized powders: lanthanide-doped Y2O3. Applied Surface Science, 1999, 144-145, 686-689.	3.1	90

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127	Electrical and structural properties of RGTO-In2O3 sensors for ozone detection. Sensors and Actuators B: Chemical, 1999, 57, 188-191.	4.0	36
128	Fine structures in the X-ray photoemission spectra of MnO, FeO, CoO, and NiO single crystals. Journal of Electron Spectroscopy and Related Phenomena, 1999, 98-99, 287-302.	0.8	92
129	Growth of WO3 crystals from Wâ€“Tiâ€“O thin films. Journal of Crystal Growth, 1999, 198-199, 1240-1244.	0.7	13
130	Correlation between crystallite sizes and microstrains in TiO2 nanopowders. Journal of Crystal Growth, 1999, 198-199, 516-520.	0.7	39
131	Thin Films of Bismuth Vanadates with Modifiable Conduction Properties. Chemistry of Materials, 1999, 11, 255-261.	3.2	35
132	Wâ€“Tiâ€“O layers for gas-sensing applications: Structure, morphology, and electrical properties. Journal of Materials Research, 1998, 13, 1568-1575.	1.2	12
133	Resonant photoemission and correlated satellites inK2CoF4. Physical Review B, 1998, 57, 10175-10182.	1.1	4
134	Oxidation of Sn Thin Films to SnO₂. Micro-Raman Mapping and X-ray Diffraction Studies. Journal of Materials Research, 1998, 13, 2457-2460.	1.2	93
135	Electronic-correlation effects in the x-ray-photoemission spectra ofNiS2. Physical Review B, 1997, 55, 9514-9519.	1.1	20
136	Electron-spectroscopy study of correlation mechanisms inCuGeO3ssingle crystals. Physical Review B, 1997, 55, 1459-1468.	1.1	31
137	A photoemission study of Na-induced hole doping in Bi2Sr2-y (Na y)Ca1-x (Na x)Cu2O8+Î´. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1997, 19, 1159-1166.	0.4	2
138	Microstructure and physical properties of BxNy(OzHk) coatings deposited by r.f. unbalanced magnetron sputtering. Surface and Coatings Technology, 1997, 97, 582-589.	2.2	0
139	On the non-local screening mechanisms in the 2p photoelectron spectra of NiO and La2NiO4. Solid State Communications, 1997, 103, 421-424.	0.9	30
140	Cation Sublattice and Coordination Polyhedra inABO4Type of Structures. Journal of Solid State Chemistry, 1997, 129, 82-91.	1.4	24
141	Evidence of Translational Disorder Generated by Oriented Defects in Magneli Phases. Journal of Solid State Chemistry, 1997, 131, 215-220.	1.4	10
142	The effect of ligand correlations on the one-electron removal valence band of NiO. Chemical Physics Letters, 1997, 273, 279-284.	1.2	2
143	Microraman Spectroscopy and X-Ray Diffraction Studies of Ti-W-O Thin Films. Materials Research Society Symposia Proceedings, 1996, 441, 475.	0.1	1
144	Kinetics of disorder-order transition of Tiî—¸W oxide thin-film sensor. Sensors and Actuators B: Chemical, 1996, 31, 19-24.	4.0	24

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145	A novel method for the preparation of nanosized tio2 thin films. Advanced Materials, 1996, 8, 334-337.	11.1	70
146	Structural Studies of Tungstenâ€“Titanium Oxide Thin Films. Journal of Solid State Chemistry, 1996, 121, 379-387.	1.4	54
147	Structural Disorder and Ionic Conduction: The Case of Bi2O3. Journal of Solid State Chemistry, 1996, 122, 439-443.	1.4	31
148	Disorder and bond hybridization in boron nitride thin films. Solid State Communications, 1996, 99, 645-649.	0.9	2
149	Sub-ppm NO2 sensors based on nanosized thin films of titanium-tungsten oxides. Sensors and Actuators B: Chemical, 1996, 31, 89-92.	4.0	64
150	Physical specifications of clinical proton beams from a synchrotron. Medical Physics, 1996, 23, 939-951.	1.6	24
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