Giorgio Sbervegli eri

List of Publications by Year
in descending order

459 papers	20,579 citations	9264 74 h-index	18130 120 g-index
471 all docs	471 docs citations	471 times ranked	16703 citing authors

#	Article	IF	Citations
1	Selective H2S gas sensors based on ohmic hetero-interface of Au-functionalized WO3 nanowires. Applied Surface Science, 2022, 571, 151262.	6.1	49
2	Origin of Baseline Drift in Metal Oxide Gas Sensors: Effects of Bulk Equilibration. Chemosensors, 2022, 10, 171.	3.6	10
3	Highly sensitive and selective detection of dimethylamine through Nb-doping of TiO2 nanotubes for potential use in seafood quality control. Sensors and Actuators B: Chemical, 2020, 303, 127217.	7.8	46
4	UV-Enhanced Humidity Sensing of Chitosanâ€“SnO2 Hybrid Nanowires. Nanomaterials, 2020, 10, 329.	4.1	13
5	k-NN and k-NN-ANN Combined Classifier to Assess MOX Gas Sensors Performances Affected by Drift Caused by Early Life Aging. Chemosensors, 2020, 8, 6.	3.6	7
6	Nanostructured MOS Sensor for the Detection, Follow up, and Threshold Pursuing of Campylobacter Jejuni Development in Milk Samples. Sensors, 2020, 20, 2009.	3.8	13
7	An Array of MOX Sensors and ANNs to Assess Grated Parmigiano Reggiano Cheese Packsâ€™ Compliance with CFPR Guidelines. Biosensors, 2020, 10, 47.	4.7	7
8	Investigation of Reduced Graphene Oxide and a Nb-Doped TiO₂ Nanotube Hybrid Structure To Improve the Gas-Sensing Response and Selectivity. ACS Sensors, 2019, 4, 2094-2100.	7.8	47
9	MOX Sensors to Ensure Suitable Parameters of Grated Parmigiano Reggiano Cheese. Proceedings (mdpi), 2019, 14, 38.	0.2	2
10	Array of MOX Nanowire Gas Sensors for Wastewater Management. Proceedings (mdpi), 2018, 2, .	0.2	2
11	Discrimination of Quality and Geographical Origin of Extra Virgin Olive Oil by S3 Device with Metal Oxides Gas Sensors. Proceedings (mdpi), 2018, 2, .	0.2	10
12	Sensitivity-Selectivity Trade-Offs in Surface Ionization Gas Detection. Nanomaterials, 2018, 8, 1017.	4.1	5
13	Multicomponent Metal Oxide Nanostructures: Fabrication and Study of Core Issues to Improve Gas Sensing Performance. Proceedings (mdpi), 2018, 2, .	0.2	0
14	Real-Time Microwave, Dielectric, and Optical Sensing of Lincomycin and Tylosin Antibiotics in Water: Sensor Fusion for Environmental Safety. Journal of Sensors, 2018, 2018, 1-11.	1.1	17
15	Reduced Graphene Oxideâ€“TiO₂ Nanotube Composite: Comprehensive Study for Gas-Sensing Applications. ACS Applied Nano Materials, 2018, 1, 7098-7105.	5.0	51
16	Self-Test Procedures for Gas Sensors Embedded in Microreactor Systems. Sensors, 2018, 18, 453.	3.8	5
17	From Transparent Conducting Material to Gas-Sensing Application of SnO2:Sb Thin Films. Journal of Electronic Materials, 2018, 47, 5165-5173.	2.2	16
18	Metal Oxide Nanostructures in Food Applications: Quality Control and Packaging. Chemosensors, 2018, 6, 16.	3.6	83

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19	Application of a Novel S3 Nanowire Gas Sensor Device in Parallel with GC-MS for the Identification of Rind Percentage of Grated Parmigiano Reggiano. Sensors, 2018, 18, 1617.	3.8	25
20	Array of Semiconductor Nanowires Gas Sensor for IoT in Wastewater Management. , 2018, , .		8
21	Metal Oxide Nanowire Preparation and Their Integration into Chemical Sensing Devices at the SENSOR Lab in Brescia. Sensors, 2017, 17, 1000.	3.8	21
22	Hierarchically Assembled Titania Based Nanostructures: Innovative and Efficient Strategies for the Synthesis and the Improvement of Sensing Properties. Proceedings (mdpi), 2017, 1, 293.	0.2	1
23	A composite structure based on reduced graphene oxide and metal oxide nanomaterials for chemical sensors. Beilstein Journal of Nanotechnology, 2016, 7, 1421-1427.	2.8	34
24	A Novel MOS Nanowire Gas Sensor Device (S3) and GC-MS-Based Approach for the Characterization of Grated Parmigiano Reggiano Cheese. Biosensors, 2016, 6, 60.	4.7	20
25	ZnO Quasi-1D Nanostructures: Synthesis, Modeling, and Properties for Applications in Conductometric Chemical Sensors. Chemosensors, 2016, 4, 6.	3.6	36
26	Reduced graphene oxide/ZnO nanocomposite for application in chemical gas sensors. RSC Advances, 2016, 6, 34225-34232.	3.6	101
27	Kelvin probe as an effective tool to develop sensitive p-type CuO gas sensors. Sensors and Actuators B: Chemical, 2016, 222, 1257-1263.	7.8	34
28	A Player Often Neglected: Electrochemical Comprehensive Analysis of Counter Electrodes for Quantum Dot Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 7766-7776.	8.0	15
29	Conductance and Work Function of TiO 2 Nanotubes Based Gas Sensors. Procedia Engineering, 2015, 120, 769-772.	1.2	5
30	ZnO@SnO2 engineered composite photoanodes for dye sensitized solar cells. Scientific Reports, 2015, 5, 14523.	3.3	54
31	Niobium and Tungsten Oxide Nanowires for Chemical Sensor. Procedia Engineering, 2015, 120, 1149-1152.	1.2	0
32	Ultrathin Gas Permeable Oxide Membranes for Chemical Sensing: Nanoporous Ta2O5 Test Study. Materials, 2015, 8, 6677-6684.	2.9	7
33	Tungsten Oxide Nanowires on Micro Hotplates for Gas Sensing Applications. Procedia Engineering, 2015, 120, 439-442.	1.2	5
34	Highly conductive titanium oxide nanotubes chemical sensors. Microporous and Mesoporous Materials, 2015, 208, 165-170.	4.4	26
35	Nanostructured ZnO chemical gas sensors. Ceramics International, 2015, 41, 14239-14244.	4.8	193
36	Tailoring the textured surface of porous nanostructured NiO thin films for the detection of pollutant gases. Thin Solid Films, 2015, 583, 233-238.	1.8	43

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37	Fabrication of single-nanowire sensing devices by electron beam lithography. , 2015, , .		1
38	Room temperature trimethylamine gas sensor based on aqueous dispersed graphene. , 2015, , .		1
39	Large surface area biphase titania for chemical sensing. Sensors and Actuators B: Chemical, 2015, 209, 1091-1096.	7.8	26
40	Optical, Electrical, and Electromechanical Properties of Hybrid Graphene/Carbon Nanotube Films. Advanced Materials, 2015, 27, 3053-3059.	21.0	114
41	Visible electroluminescence from a ZnO nanowires/p-GaN heterojunction light emitting diode. Optics Express, 2015, 23, 18937.	3.4	15
42	Si<scp>OCN</scp> Functionalized Carbon Nanotube Gas Sensors for Elevated Temperature Applications. Journal of the American Ceramic Society, 2015, 98, 1142-1149.	3.8	16
43	Nanostructures of Tungsten Trioxide, Nickel Oxide and Niobium Oxide for Chemical Sensing Applications. Procedia Engineering, 2015, 120, 803-806.	1.2	5
44	Nickel Oxide Nanowires Growth by VLS Technique for Gas Sensing Application. Procedia Engineering, 2015, 120, 760-763.	1.2	13
45	Tungsten oxide nanowires for chemical detection. Analytical Methods, 2015, 7, 2203-2209.	2.7	34
46	Graphene as transparent front contact for dye sensitized solar cells. Solar Energy Materials and Solar Cells, 2015, 135, 99-105.	6.2	40
47	Rapid diagnosis of Enterobacteriaceae in vegetable soups by a metal oxide sensor based electronic nose. Sensors and Actuators B: Chemical, 2015, 207, 1104-1113.	7.8	63
48	Graphene below the percolation threshold in TiO₂for dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 2580-2588.	10.3	70
49	Taurine Rescues Cisplatin-Induced Muscle Atrophy In Vitro: A Morphological Study. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-11.	4.0	19
50	Integration of ZnO and CuO nanowires into a thermoelectric module. Beilstein Journal of Nanotechnology, 2014, 5, 927-936.	2.8	27
51	Metal Oxide Gas Sensors Technologies for Hidden People Detection. , 2014, , .		0
52	Light harvester band gap engineering in excitonic solar cells: A case study on semiconducting quantum dots sensitized rainbow solar cells. Pure and Applied Chemistry, 2014, 86, 575-584.	1.9	4
53	Engineering metal oxide structures for efficient photovoltaic devices. Proceedings of SPIE, 2014, , .	0.8	0
54	Tungsten Oxide Nanowires Chemical Sensors. Procedia Engineering, 2014, 87, 696-699.	1.2	2

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55	P-type CuO Nanowires and thin Film for Highly Sensitive Kelvin Probe Gas Sensing Applications. Procedia Engineering, 2014, 87, 16-19.	1.2	5
56	Copper Oxide Nanowires for Surface Ionization Based Gas Sensor. Procedia Engineering, 2014, 87, 1023-1026.	1.2	13
57	Niobium Oxide Nanostructures for Chemical Sensing. Procedia Engineering, 2014, 87, 807-810.	1.2	1
58	Sequential physical vapor deposition and chemical vapor deposition for the growth of In2O3â€“SnO2 radial and longitudinal heterojunctions. Applied Surface Science, 2014, 323, 59-64.	6.1	7
59	Two-phase Titania Nanotubes for Gas Sensing. Procedia Engineering, 2014, 87, 176-179.	1.2	8
60	Gas Sensing Study of ZnO Nanowire Heterostructured with NiO for Detection of Pollutant Gases. Procedia Engineering, 2014, 87, 1091-1094.	1.2	9
61	Tailor-made ZnO@SnO2networks for high efficiency photovoltaic devices. , 2014, , .		1
62	Transparent front contact optimization in dye sensitized solar cells: use of cadmium stannate and titanium oxide by sputtering. Thin Solid Films, 2014, 555, 18-20.	1.8	9
63	Quantum dots as mediators in gas sensing: A case study of CdS sensitized WO3 sensing composites. Applied Surface Science, 2014, 290, 295-300.	6.1	5
64	Investigation of Seebeck Effect in ZnO Nanowires for Micropower Generation in Autonomous Sensor Systems. Lecture Notes in Electrical Engineering, 2014, , 245-249.	0.4	0
65	Synthesis of self-ordered and well-aligned Nb₂O₅ nanotubes. CrystEngComm, 2014, 16, 10273-10279.	2.6	30
66	SiC Foams Decorated with SnO₂ Nanostructures for Room Temperature Gas Sensing. International Journal of Applied Ceramic Technology, 2014, 11, 851-857.	2.1	9
67	Effect of Blocking Layer to Boost Photoconversion Efficiency in ZnO Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 11236-11244.	8.0	40
68	Synthesis and electrochemical study of a hybrid structure based on PDMS-TEOS and titania nanotubes for biomedical applications. Nanotechnology, 2014, 25, 365701.	2.6	9
69	Au/Îµ-Fe₂O₃ Nanocomposites as Selective NO₂ Gas Sensors. Journal of Physical Chemistry C, 2014, 118, 11813-11819.	3.1	81
70	Hierarchical self-assembled Cu2S nanostructures: Fast and reproducible spray deposition of effective counter electrodes for high efficiency quantum dot solar cells. Nano Energy, 2014, 6, 200-210.	16.0	47
71	Tailoring and Characterization of Porous hierarchical Nanostructured p Type Thin Film of Cu-Al-Oxide for the Detection of Pollutant Gases. Procedia Engineering, 2014, 87, 252-255.	1.2	1
72	High Carbon-high Porous SiOC Glasses for Room Temperature NO2 Sensing. Procedia Engineering, 2014, 87, 160-163.	1.2	5

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73	Array of Metal Oxide Nanostructures for Nerve Agent Detection and Food Quality. Sensor Letters, 2014, 12, 985-989.	0.4	1
74	Investigation of Seebeck Effect in Metal Oxide Nanowires for Powering Autonomous Microsystems. Lecture Notes in Electrical Engineering, 2014, , 3-7.	0.4	1
75	Hybrid Carbon Nanotubesâ€“TiO₂ Photoanodes for High Efficiency Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 14510-14517.	3.1	121
76	Spray-assisted silar deposition of cadmium sulphide quantum dots on metal oxide films for excitonic solar cells. Journal of Power Sources, 2013, 240, 736-744.	7.8	19
77	Thermally oxidized zinc oxide nanowires for use as chemical sensors. Nanotechnology, 2013, 24, 444008.	2.6	41
78	Plasma-induced enhancement of UV photoluminescence in ZnO nanowires. CrystEngComm, 2013, 15, 7981.	2.6	27
79	Synthesis of self-assembled chain-like ZnO nanostructures on stiff and flexible substrates. CrystEngComm, 2013, 15, 2881.	2.6	22
80	Metal oxide nanoscience and nanotechnology for chemical sensors. Sensors and Actuators B: Chemical, 2013, 179, 3-20.	7.8	153
81	Preparation of copper oxide nanowire-based conductometric chemical sensors. Sensors and Actuators B: Chemical, 2013, 182, 7-15.	7.8	58
82	TiO2 Nanotubes: Recent Advances in Synthesis and Gas Sensing Properties. Sensors, 2013, 13, 14813-14838.	3.8	173
83	Gas Sensing Behavior of Mesoporous <scp><scp>SiOC</scp></scp> Glasses. Journal of the American Ceramic Society, 2013, 96, 2366-2369.	3.8	63
84	Metal oxide nanowire chemical and biochemical sensors. Journal of Materials Research, 2013, 28, 2911-2931.	2.6	22
85	Nanostructured Metal Oxide Gas Sensors, a Survey of Applications Carried out at SENSOR Lab, Brescia (Italy) in the Security and Food Quality Fields. Sensors, 2012, 12, 17023-17045.	3.8	68
86	Fabrication and investigation of gas sensing properties of Nb-doped TiO₂nanotubular arrays. Nanotechnology, 2012, 23, 235706.	2.6	51
87	Controlled synthesis and properties of Î²-Fe2O3 nanosystems functionalized with Ag or Pt nanoparticles. CrystEngComm, 2012, 14, 6469.	2.6	51
88	PDCs functionalized carbon nanostructure for gas sensing application. , 2012, , .		0
89	Growth and gas sensing properties of self-assembled chain-like ZnO nanostructures. , 2012, , .		1
90	Electrochemical fabrication of oriented ZnO nanorods on TiO<SUB align="right">2 nanotubes. International Journal of Nanotechnology, 2012, 9, 295.	0.2	7

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91	Gas-Sensing Properties of Thermally-Oxidized Metal Oxide Nanowires. Procedia Engineering, 2012, 47, 430-433.	1.2	5
92	Zinc Oxide Nanowires Deposited on Polymeric Hotplates for Low-power Gas Sensors. Procedia Engineering, 2012, 47, 1137-1140.	1.2	12
93	Growth and Gas Sensing Properties of Self-Assembled Chain-Like ZnO Nanostructures. Procedia Engineering, 2012, 47, 762-765.	1.2	1
94	Exploitation of a low-cost electronic system, designed for low-conductance and wide-range measurements, to control metal oxide gas sensors with temperature profile protocols. Sensors and Actuators B: Chemical, 2012, 175, 149-156.	7.8	17
95	Fabrication of pure and Nbâ€“TiO2 nanotubes and their functional properties. Journal of Alloys and Compounds, 2012, 536, S488-S490.	5.5	17
96	One-dimensional nanostructured oxides for thermoelectric applications and excitonic solar cells. Nano Energy, 2012, 1, 372-390.	16.0	41
97	Synthesis of WO3 Nanorod based Thin Films for Ethanol and H2 Sensing. Procedia Engineering, 2012, 47, 358-361.	1.2	19
98	Growth kinetics of CdSe quantum dots generated in polar polymers. Dalton Transactions, 2012, 41, 14354.	3.3	4
99	Co₃O₄/ZnO Nanocomposites: From Plasma Synthesis to Gas Sensing Applications. ACS Applied Materials & Interfaces, 2012, 4, 928-934.	8.0	141
100	Planar Thermoelectric Generator based on Metal-Oxide Nanowires for Powering Autonomous Microsystems. Procedia Engineering, 2012, 47, 346-349.	1.2	12
101	Chemometric Discrimination of Philippine Civet Coffee Using Electronic Nose and Gas Chromatography Mass Spectrometry. Procedia Engineering, 2012, 47, 977-980.	1.2	34
102	Functionalised zinc oxide nanowire gas sensors: Enhanced NO₂ gas sensor response by chemical modification of nanowire surfaces. Beilstein Journal of Nanotechnology, 2012, 3, 368-377.	2.8	69
103	CuO/ZnO Nanocomposite Gas Sensors Developed by a Plasmaâ€Assisted Route. ChemPhysChem, 2012, 13, 2342-2348.	2.1	55
104	Metal Oxides Monoâ€Dimensional Nanostructures for Gas Sensing and Light Emission. Journal of the American Ceramic Society, 2012, 95, 831-850.	3.8	11
105	Sputtering deposition of amorphous cadmium stannate as transparent conducting oxide. Thin Solid Films, 2012, 520, 2739-2744.	1.8	11
106	Synthesis and integration of tin oxide nanowires into an electronic nose. Vacuum, 2012, 86, 532-535.	3.5	60
107	Flexible dye sensitized solar cells using TiO2 nanotubes. Energy and Environmental Science, 2011, 4, 3408.	30.8	67
108	The Power of Nanomaterial Approaches in Gas Sensors. Springer Series on Chemical Sensors and Biosensors, 2011, , 53-78.	0.5	0

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109	Electronic Noses As Flexible Tools For Evaluating Food Quality And Safety: Can We Trust Them?. , 2011, , .		1
110	Synthesis of the nanostructured WO3 via anodization at elevated temperature for H2 sensing applications. Procedia Engineering, 2011, 25, 247-251.	1.2	26
111	Copper oxide nanowires prepared by thermal oxidation for chemical sensing. Procedia Engineering, 2011, 25, 753-756.	1.2	23
112	Fabrication of TiO2 and TiO2<Nb> Nanotubular Arrays and Their Gas Sensing Properties. Procedia Engineering, 2011, 25, 757-760.	1.2	4
113	Gasochromic Performance of WO3 Nanorod Thin Films for Low Concentration H2 Sensing. Procedia Engineering, 2011, 25, 1065-1068.	1.2	9
114	Response dynamics of metal oxide gas sensors working with temperature profile protocols. Procedia Engineering, 2011, 25, 1173-1176.	1.2	6
115	Seebeck effect in ZnO nanowires for micropower generation. Procedia Engineering, 2011, 25, 1481-1484.	1.2	13
116	Metal-free organic sensitizers with a sterically hindered thiophene unit for efficient dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 13785.	6.7	54
117	TiO2 nanotubular and nanoporous arrays by electrochemical anodization on different substrates. RSC Advances, 2011, 1, 1038.	3.6	65
118	Novel Synthesis and Gas Sensing Performances of CuOâ€“TiO₂ Nanocomposites Functionalized with Au Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 10510-10517.	3.1	133
119	Bovine Serum Albumin protofibril-like aggregates formation: Solo but not simple mechanism. Archives of Biochemistry and Biophysics, 2011, 508, 13-24.	3.0	84
120	Electronic nose predicts high and low fumonisin contamination in maize cultures. Food Research International, 2011, 44, 992-999.	6.2	44
121	On-line monitoring and active control of dye uptake in dye-sensitised solar cells. Chemical Communications, 2011, 47, 11656.	4.1	20
122	Surface-Driven Porphyrin Self-Assembly on Pre-Activated Si Substrates. Journal of Nanoscience and Nanotechnology, 2011, 11, 3235-3244.	0.9	1
123	Plasma enhanced-CVD of undoped and fluorine-doped Co3O4 nanosystems for novel gas sensors. Sensors and Actuators B: Chemical, 2011, 160, 79-86.	7.8	56
124	Vertically Aligned TiO₂ Nanotubes on Plastic Substrates for Flexible Solar Cells. Small, 2011, 7, 2437-2442.	10.0	25
125	CdSe Spherical Quantum Dots Stabilised by Thiomalic Acid: Biphasic Wet Synthesis and Characterisation. ChemPhysChem, 2011, 12, 863-870.	2.1	9
126	Hierarchically Assembled ZnO Nanocrystallites for Highâ€Efficiency Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2011, 50, 12321-12325.	13.8	223

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127	Cover Picture: Hierarchically Assembled ZnO Nanocrystallites for Highâ€Efficiency Dyeâ€Sensitized Solar Cells (Angew. Chem. Int. Ed. 51/2011). Angewandte Chemie - International Edition, 2011, 50, 12111-12111.	13.8	1
128	Structural and gas-sensing characterization of tungsten oxide nanorods and nanoparticles. Sensors and Actuators B: Chemical, 2011, 153, 340-346.	7.8	53
129	Hybrid thermal-field emission of ZnO nanowires. Applied Physics Letters, 2011, 99, .	3.3	11
130	Covariance Matrix Adaptation Evolutionary Strategy for Drift Correction of Electronic Nose Data. , 2011, , .		0
131	Pt/Nanostructured RuO₂/SiC Schottky Diode Based Hydrogen Gas Sensors. Sensor Letters, 2011, 9, 797-800.	0.4	4
132	One pot synthesis of bi-linker stabilised CdSe quantum dots. Journal of Physics: Conference Series, 2010, 245, 012067.	0.4	3
133	Synthesis of different ZnO nanostructures by modified PVD process and potential use for dye-sensitized solar cells. Materials Chemistry and Physics, 2010, 124, 694-698.	4.0	86
134	Synthesis of Cu2O bi-pyramids by reduction of Cu(OH)2 in solution. Materials Letters, 2010, 64, 469-471.	2.6	41
135	Physical Vapor Deposition of Copper Oxide Nanowires. Procedia Engineering, 2010, 5, 1051-1054.	1.2	2
136	A stability based validity method for fuzzy clustering. Pattern Recognition, 2010, 43, 1292-1305.	8.1	33
137	Reversed bias Pt/nanostructured ZnO Schottky diode with enhanced electric field for hydrogen sensingâ˜†. Sensors and Actuators B: Chemical, 2010, 146, 507-512.	7.8	77
138	Analysis of the dynamic features of metal oxide sensors in response to SPME fiber gas release. Sensors and Actuators B: Chemical, 2010, 146, 539-544.	7.8	9
139	1D ZnO nano-assemblies by Plasma-CVD as chemical sensors for flammable and toxic gases. Sensors and Actuators B: Chemical, 2010, 149, 1-7.	7.8	169
140	Metal oxide nanowires as chemical sensors. Materials Today, 2010, 13, 36-44.	14.2	317
141	Vapor Phase Synthesis, Characterization and Gas Sensing Performances of Co₃O₄ and Au/Co₃O₄ Nanosystems. Journal of Nanoscience and Nanotechnology, 2010, 10, 8054-8061.	0.9	35
142	Direct integration of metal oxide nanowires into an effective gas sensing device. Nanotechnology, 2010, 21, 145502.	2.6	35
143	Insight into the Formation Mechanism of One-Dimensional Indium Oxide Wires. Crystal Growth and Design, 2010, 10, 140-145.	3.0	30
144	Electronic nose and Alicyclobacillus spp. spoilage of fruit juices: An emerging diagnostic tool. Food Control, 2010, 21, 1374-1382.	5.5	97

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145	Alicyclobacillus spp.: Detection in soft drinks by Electronic Nose. Food Research International, 2010, 43, 2108-2114.	6.2	53
146	Urchin-like ZnO nanorod arrays for gas sensing applications. CrystEngComm, 2010, 12, 3419.	2.6	90
147	Nanomaterials for Chemical Sensing Technologies. Journal of Sensors, 2009, 2009, 1-2.	1.1	5
148	XPS Characterisation of Vacuum Annealed Nanocrystalline WO3 Films. E-Journal of Surface Science and Nanotechnology, 2009, 7, 319-322.	0.4	8
149	ZnO / TiO 2 nanonetwork as efficient photoanode in excitonic solar cells. Applied Physics Letters, 2009, 95, .	3.3	39
150	Integration of metal oxide nanowires in dye sensitized solar cells. , 2009, , .		0
151	SnO<inf>2</inf> nanowires for optical and optoelectronic gas sensing. , 2009, , .		1
152	SnO<inf>2</inf> nanowires for detection of chemical warfare agents. , 2009, , .		0
153	Chemical Vapor Deposition of Cu<inf>2</inf>O and CuO nanosystems for innovative gas sensors. , 2009, , .		3
154	Gas Sensing Performances of Copper Oxide Films and Quasi 1-D Nanoarchitectures. , 2009, , .		0
155	Metal Oxide Nanowires As Promising Materials For Miniaturised Electronic Noses. , 2009, , .		0
156	Cluster Analysis of the Rat Olfactory Bulb Activity in Response to Different Odorants. , 2009, , .		0
157	Featuring Of Odor By Metal Oxide Sensor Response To Varying Gas Mixture. , 2009, , .		1
158	Reverse Biased Schottky Contact Hydrogen Sensors Based on Ptâˆ•nanostructured ZnOâˆ•SiC. , 2009, , .		2
159	Multi-Functional Copper Oxide Nanosystems for H2 Sustainable Production and Sensing. ECS Transactions, 2009, 25, 1169-1176.	0.5	13
160	Characterization of n-type and p-type semiconductor gas sensors based on NiOx doped TiO2 thin films. Thin Solid Films, 2009, 517, 2775-2780.	1.8	172
161	Semiconducting tin oxide nanowires and thin films for Chemical Warfare Agents detection. Thin Solid Films, 2009, 517, 6156-6160.	1.8	46
162	Luminescence response of ZnO nanowires to gas adsorption. Sensors and Actuators B: Chemical, 2009, 140, 461-466.	7.8	65

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164	Metal oxide nanowires: Preparation and application in gas sensing. Journal of Molecular Catalysis A, 2009, 305, 170-177.	4.8	57
165	Quasi-one dimensional metal oxide semiconductors: Preparation, characterization and application as chemical sensors. Progress in Materials Science, 2009, 54, 1-67.	32.8	582
166	Early detection of microbial contamination in processed tomatoes by electronic nose. Food Control, 2009, 20, 873-880.	5.5	127
167	Differentiation of the volatile profile of microbiologically contaminated canned tomatoes by dynamic headspace extraction followed by gas chromatographyâ€“mass spectrometry analysis. Talanta, 2009, 77, 962-970.	5.5	33
168	Electronic Nose: A Promising Tool For Early Detection Of Alicyclobacillus spp In Soft Drinks. , 2009, , .		1
169	Electrical-Based Gas Sensing. , 2009, , 1-61.		9
170	Surface Ionization Gas Detection on Platinum and Metal Oxide Surfaces. IEEE Sensors Journal, 2009, 9, 1727-1733.	4.7	33
171	Nanowires of metal oxides for gas sensing applications. Surface and Interface Analysis, 2008, 40, 575-578.	1.8	31
172	Orthorhombic Pbcn SnO2 nanowires for gas sensing applications. Journal of Crystal Growth, 2008, 310, 253-260.	1.5	49
173	Bread baking aromas detection by low-cost electronic nose. Sensors and Actuators B: Chemical, 2008, 130, 100-104.	7.8	39
174	Catalytic enhancement of SnO2 gas sensors as seen by the moving gas outlet method. Sensors and Actuators B: Chemical, 2008, 130, 193-199.	7.8	25
175	Optical sensing of NO2 in tin oxide nanowires at sub-ppm level. Sensors and Actuators B: Chemical, 2008, 130, 391-395.	7.8	27
176	Inverse opal gas sensors: Zn(II)-doped tin dioxide systems for low temperature detection of pollutant gases. Sensors and Actuators B: Chemical, 2008, 130, 567-573.	7.8	40
177	Random forests and nearest shrunken centroids for the classification of sensor array data. Sensors and Actuators B: Chemical, 2008, 131, 93-99.	7.8	43
178	Exploratory data analysis for industrial safety application. Sensors and Actuators B: Chemical, 2008, 131, 100-109.	7.8	29
179	Effects of aluminium sulphate in the mouse liver: Similarities to the aging process. Experimental Gerontology, 2008, 43, 330-338.	2.8	20
180	Metal Oxide Nanowire and Thin-Film-Based Gas Sensors for Chemical Warfare Simulants Detection. IEEE Sensors Journal, 2008, 8, 735-742.	4.7	54

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181	On the mechanism of photoluminescence quenching in tin dioxide nanowires by NO₂adsorption. New Journal of Physics, 2008, 10, 043013.	2.9	57
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183	Gas Sensing Properties of Columnar CeO2 Nanostructures Prepared by Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2008, 8, 1012-1016.	0.9	26
184	Light Emission Properties of SnO₂ Nanowires for Applications in Gas Sensing. Sensor Letters, 2008, 6, 596-600.	0.4	1
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