Ghenadii Korotcenkov

List of Publications by Year
in descending order

161 papers	8,756 citations	50170 46 h-index	43802 91 g-index
173 all docs	173 docs citations	173 times ranked	7243 citing authors

#	Article	IF	Citations
1	Metal oxides for solid-state gas sensors: What determines our choice?. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 139, 1-23.	1.7	1,313
2	Gas response control through structural and chemical modification of metal oxide films: state of the art and approaches. Sensors and Actuators B: Chemical, 2005, 107, 209-232.	4.0	628
3	The role of morphology and crystallographic structure of metal oxides in response of conductometric-type gas sensors. Materials Science and Engineering Reports, 2008, 61, 1-39.	14.8	500
4	Metal oxide composites in conductometric gas sensors: Achievements and challenges. Sensors and Actuators B: Chemical, 2017, 244, 182-210.	4.0	397
5	Review of Electrochemical Hydrogen Sensors. Chemical Reviews, 2009, 109, 1402-1433.	23.0	390
6	Instability of metal oxide-based conductometric gas sensors and approaches to stability improvement (short survey). Sensors and Actuators B: Chemical, 2011, 156, 527-538.	4.0	267
7	Engineering approaches for the improvement of conductometric gas sensor parameters. Sensors and Actuators B: Chemical, 2013, 188, 709-728.	4.0	193
8	Peculiarities of SnO2 thin film deposition by spray pyrolysis for gas sensor application. Sensors and Actuators B: Chemical, 2001, 77, 244-252.	4.0	155
9	The influence of film structure on In2O3 gas response. Thin Solid Films, 2004, 460, 315-323.	0.8	155
10	Grain Size Effects in Sensor Response of Nanostructured SnO₂- and In₂O₃-Based Conductometric Thin Film Gas Sensor. Critical Reviews in Solid State and Materials Sciences, 2009, 34, 1-17.	6.8	149
11	Handbook of Gas Sensor Materials. Integrated Analytical Systems, 2013, , .	0.4	140
12	Structural stability of indium oxide films deposited by spray pyrolysis during thermal annealing. Thin Solid Films, 2005, 479, 38-51.	0.8	137
13	Conductometric gas sensors based on metal oxides modified with gold nanoparticles: a review. Mikrochimica Acta, 2016, 183, 1033-1054.	2.5	135
14	Influence of surface Pd doping on gas sensing characteristics of SnO2 thin films deposited by spray pirolysis. Thin Solid Films, 2003, 436, 119-126.	0.8	133
15	Thin film SnO2-based gas sensors: Film thickness influence. Sensors and Actuators B: Chemical, 2009, 142, 321-330.	4.0	131
16	Silicon Porosification: State of the Art. Critical Reviews in Solid State and Materials Sciences, 2010, 35, 153-260.	6.8	128
17	In2O3 films deposited by spray pyrolysis as a material for ozone gas sensors. Sensors and Actuators B: Chemical, 2004, 99, 297-303.	4.0	117
18	Practical aspects in design of one-electrode semiconductor gas sensors: Status report. Sensors and Actuators B: Chemical, 2007, 121, 664-678.	4.0	117

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19	Factors influencing the gas sensing characteristics of tin dioxide films deposited by spray pyrolysis: understanding and possibilities of control. Thin Solid Films, 2001, 391, 167-175.	0.8	101
20	Porous Semiconductors: Advanced Material for Gas Sensor Applications. Critical Reviews in Solid State and Materials Sciences, 2010, 35, 1-37.	6.8	98
21	Ozone measuring: What can limit application of SnO2-based conductometric gas sensors?. Sensors and Actuators B: Chemical, 2012, 161, 28-44.	4.0	98
22	Kinetics of gas response to reducing gases of SnO2 films, deposited by spray pyrolysis. Sensors and Actuators B: Chemical, 2004, 98, 41-45.	4.0	96
23	The role of doping effect on the response of SnO2-based thin film gas sensors: Analysis based on the results obtained for Co-doped SnO2 films deposited by spray pyrolysis. Sensors and Actuators B: Chemical, 2013, 182, 112-124.	4.0	96
24	Electrical behavior of SnO2 thin films in humid atmosphere. Sensors and Actuators B: Chemical, 1999, 54, 197-201.	4.0	95
25	Effect of air humidity on gas response of SnO2 thin film ozone sensors. Sensors and Actuators B: Chemical, 2007, 122, 519-526.	4.0	95
26	Experimental and theoretical studies of indium oxide gas sensors fabricated by spray pyrolysis. Sensors and Actuators B: Chemical, 2005, 106, 563-571.	4.0	94
27	Engineering approaches to improvement of conductometric gas sensor parameters. Part 2: Decrease of dissipated (consumable) power and improvement stability and reliability. Sensors and Actuators B: Chemical, 2014, 198, 316-341.	4.0	89
28	Ozone sensors on the base of SnO2 films deposited by spray pyrolysis. Sensors and Actuators B: Chemical, 2007, 120, 679-686.	4.0	86
29	Current Trends in Nanomaterials for Metal Oxide-Based Conductometric Gas Sensors: Advantages and Limitations. Part 1: 1D and 2D Nanostructures. Nanomaterials, 2020, 10, 1392.	1.9	79
30	Faceting characterization of tin dioxide nanocrystals deposited by spray pyrolysis from stannic chloride water solution. Thin Solid Films, 2005, 471, 310-319.	0.8	78
31	Kinetics of indium oxide-based thin film gas sensor response: The role of â€œredoxâ€•and adsorption/desorption processes in gas sensing effects. Thin Solid Films, 2007, 515, 3987-3996.	0.8	76
32	The role of grain size on the thermal instability of nanostructured metal oxides used in gas sensor applications and approaches for grain-size stabilization. Progress in Crystal Growth and Characterization of Materials, 2012, 58, 167-208.	1.8	75
33	Simulation of thin film gas sensors kinetics. Sensors and Actuators B: Chemical, 1999, 61, 143-153.	4.0	73
34	Influence of Cu-, Fe-, Co-, and Mn-oxide nanoclusters on sensing behavior of SnO2 films. Thin Solid Films, 2004, 467, 209-214.	0.8	73
35	In2O3 films deposited by spray pyrolysis: gas response to reducing (CO, H2) gases. Sensors and Actuators B: Chemical, 2004, 98, 122-129.	4.0	73
36	Morphological rank of nano-scale tin dioxide films deposited by spray pyrolysis from SnCl4Â·5H2O water solution. Thin Solid Films, 2002, 408, 51-58.	0.8	72

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37	The nature of processes controlling the kinetics of indium oxide-based thin film gas sensor response. Sensors and Actuators B: Chemical, 2007, 128, 51-63.	4.0	68
38	Structural and gas response characterization of nano-size SnO2 films deposited by SILD method. Sensors and Actuators B: Chemical, 2003, 96, 602-609.	4.0	62
39	Acceptor-like behavior of reducing gases on the surface of n-type In2O3. Applied Surface Science, 2004, 227, 122-131.	3.1	61
40	Gas-sensing characteristics of one-electrode gas sensors based on doped In2O3 ceramics. Sensors and Actuators B: Chemical, 2004, 103, 13-22.	4.0	60
41	Possibilities of aerosol technology for deposition of SnO2-based films with improved gas sensing characteristics. Materials Science and Engineering C, 2002, 19, 73-77.	3.8	55
42	In₂O₃- and SnO₂-Based Thin Film Ozone Sensors: Fundamentals. Journal of Sensors, 2016, 2016, 1-31.	0.6	55
43	Structural characterization of SnO2 gas sensing films deposited by spray pyrolysis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 77, 33-39.	1.7	53
44	Handbook of Gas Sensor Materials. Integrated Analytical Systems, 2014, , .	0.4	48
45	The influence of additives on gas sensing and structural properties of In2O3-based ceramics. Sensors and Actuators B: Chemical, 2007, 120, 657-664.	4.0	47
46	(Cu, Fe, Co, or Ni)-doped tin dioxide films deposited by spray pyrolysis: doping influence on film morphology. Journal of Materials Science, 2008, 43, 2761-2770.	1.7	47
47	(Cu, Fe, Co, or Ni)-doped tin dioxide films deposited by spray pyrolysis: Doping influence on thermal stability of the film structure. Materials Chemistry and Physics, 2009, 113, 756-763.	2.0	47
48	XPS and TPD study of Rh/SnO2 system â€" Reversible process of substrate oxidation and reduction. Surface Science, 2006, 600, 4233-4238.	0.8	46
49	The influence of gold nanoparticles on the conductivity response of SnO2-based thin film gas sensors. Applied Surface Science, 2015, 353, 793-803.	3.1	43
50	Processes development for low cost and low power consuming SnO2 thin film gas sensors (TFGS). Sensors and Actuators B: Chemical, 1999, 54, 202-209.	4.0	41
51	Crystallographic characterization of In2O3 films deposited by spray pyrolysis. Sensors and Actuators B: Chemical, 2002, 84, 37-42.	4.0	39
52	Study of Pdâ€"In interaction during Pd deposition on pyrolytically prepared In2O3. Applied Surface Science, 2003, 205, 196-205.	3.1	38
53	Gas sensor application of Ag nanoclusters synthesized by SILD method. Sensors and Actuators B: Chemical, 2012, 166-167, 402-410.	4.0	37
54	Thermoelectrical properties of spray pyrolyzed indium oxide thin films doped by tin. Thin Solid Films, 2014, 552, 225-231.	0.8	37

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55	Successive ionic layer deposition (SILD) as a new sensor technology: synthesis and modification of metal oxides. Measurement Science and Technology, 2006, 17, 1861-1869.	1.4	36
56	Ozone sensors based on SnO2 films modified by SnO2â€“Au nanocomposites synthesized by the SILD method. Sensors and Actuators B: Chemical, 2009, 138, 512-517.	4.0	36
57	Bulk doping influence on the response of conductometric SnO2 gas sensors: Understanding through cathodoluminescence study. Sensors and Actuators B: Chemical, 2014, 196, 80-98.	4.0	35
58	Spray pyrolysis deposition of undoped SnO2 and In2O3 films and their structural properties. Progress in Crystal Growth and Characterization of Materials, 2017, 63, 1-47.	1.8	32
59	Ultra-low thermal conductivity of nanogranular indium tin oxide films deposited by spray pyrolysis. Applied Physics Letters, 2017, 110, .	1.5	32
60	In₂O₃- and SnO₂-based Ozone Sensors: Design and Characterization. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 83-132.	6.8	31
61	SnO2 thin films modified by the SnO2â€“Au nanocomposites: Response to reducing gases. Sensors and Actuators B: Chemical, 2009, 141, 610-616.	4.0	30
62	Photoconductivity in In2O3 nanoscale thin films: Interrelation with chemisorbed-type conductometric response towards oxygen. Sensors and Actuators B: Chemical, 2010, 148, 427-438.	4.0	30
63	Material Design for Metal Oxide Chemiresistive Gas Sensors. Journal of Sensor Science and Technology, 2013, 22, 1-17.	0.1	30
64	Synchrotron radiation photoemission study of indium oxide surface prepared by spray pyrolysis method. Applied Surface Science, 2005, 243, 335-344.	3.1	28
65	SnO2â€“Au nanocomposite synthesized by successive ionic layer deposition method: Characterization and application in gas sensors. Materials Chemistry and Physics, 2011, 128, 433-441.	2.0	28
66	In2O3-Based Thermoelectric Materials: The State of the Art and the Role of Surface State in the Improvement of the Efficiency of Thermoelectric Conversion. Crystals, 2018, 8, 14.	1.0	28
67	Valence band and band gap photoemission study of (111) In2O3 epitaxial films under interactions with oxygen, water and carbon monoxide. Surface Science, 2007, 601, 5585-5594.	0.8	26
68	Black Phosphorus-New Nanostructured Material for Humidity Sensors: Achievements and Limitations. Sensors, 2019, 19, 1010.	2.1	26
69	CO adsorption on Pd clusters deposited on pyrolytically prepared SnO2 studied by XPS. Vacuum, 2001, 61, 129-134.	1.6	24
70	Cathodoluminescence studies of un-doped and (Cu, Fe, and Co)-doped tin dioxide films deposited by spray pyrolysis. Current Applied Physics, 2010, 10, 1123-1131.	1.1	24
71	How to Improve the Performance of Porous Siliconâ€Based Gas and Vapor Sensors? Approaches and Achievements. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900348.	0.8	22
72	The Ti wire functionalized with inherent TiO2 nanotubes by anodization as one-electrode gas sensor: A proof-of-concept study. Sensors and Actuators B: Chemical, 2020, 306, 127615.	4.0	22

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73	Electrospun Metal Oxide Nanofibers and Their Conductometric Gas Sensor Application. Part 2: Gas Sensors and Their Advantages and Limitations. Nanomaterials, 2021, 11, 1555.	1.9	21
74	Ag nanoclusters synthesized by successive ionic layer deposition method and their characterization. Journal of Materials Science, 2011, 46, 4555-4561.	1.7	20
75	Synthesis by successive ionic layer deposition (SILD) methodology and characterization of gold nanoclusters on the surface of tin and indium oxide films. Pure and Applied Chemistry, 2014, 86, 801-817.	0.9	20
76	Gas-sensing properties of In2O3 films modified with gold nanoparticles. Materials Chemistry and Physics, 2016, 175, 188-199.	2.0	20
77	Materials Acceptable for Gas Sensor Design: Advantages and Limitations. Key Engineering Materials, 0, 780, 80-89.	0.4	20
78	Printing Technologies as an Emerging Approach in Gas Sensors: Survey of Literature. Sensors, 2022, 22, 3473.	2.1	20
79	Photoemission surface characterization of (001) In2O3 thin film through the interactions with oxygen, water and carbon monoxide: Comparison with (111) orientation. Applied Surface Science, 2015, 324, 123-133.	3.1	19
80	SnO2 thin film gas sensors for fire-alarm systems. Sensors and Actuators B: Chemical, 1999, 54, 191-196.	4.0	18
81	In 2 O 3 -based multicomponent metal oxide films and their prospects for thermoelectric applications. Solid State Sciences, 2016, 52, 141-148.	1.5	18
82	Metal Oxides for Application in Conductometric Gas Sensors: How to Choose?. Solid State Phenomena, 0, 266, 187-195.	0.3	18
83	Comparative Study of SnO2- and In2O3-based Ozone Sensors. ECS Transactions, 2008, 6, 29-41.	0.3	17
84	Distinguishing feature of metal oxide films' structural engineering for gas sensor applications. Journal of Physics: Conference Series, 2005, 15, 256-261.	0.3	16
85	Spray Pyrolysis of Metal Oxides SnO₂ and In₂O₃ as an Example of Thin Film Technology: Advantages and Limitations for Application in Conductometric Gas Sensors. Advanced Materials Research, 0, 748, 22-27.	0.3	16
86	Cathodoluminescence study of SnO2 powders aimed for gas sensor applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 130, 200-205.	1.7	15
87	Electrospun Metal Oxide Nanofibers and Their Conductometric Gas Sensor Application. Part 1: Nanofibers and Features of Their Forming. Nanomaterials, 2021, 11, 1544.	1.9	15
88	In2O3:Ga and In2O3:P-based one-electrode gas sensors: Comparative study. Ceramics International, 2015, 41, 7478-7488.	2.3	14
89	Investigation of behaviour of Rh deposited onto polycrystalline SnO2 by means of TPD, AES and EELS. Surface Science, 2003, 532-535, 415-419.	0.8	13
90	Catalytically Active Filters Deposited by SILD Method for Inhibiting Sensitivity to Ozone of SnO2-Based Conductometric Gas Sensors. Ferroelectrics, 2014, 459, 46-51.	0.3	13

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91	Structural characterization and phase transformations in metal oxide films synthesized by successive ionic layer deposition (SILD) method. Processing and Application of Ceramics, 2009, 3, 19-28.	0.4	13
92	Synthesis of nanolayers hydroxo-(SnxOyHz) and heteropoly-(HxPWyOz) compounds of hybrid-type on silica surfaces by successive ionic layer deposition method. Applied Surface Science, 2004, 221, 197-202.	3.1	12
93	What restricts gold clusters reactivity in catalysis and gas sensing effects: A focused review. Materials Letters, 2015, 147, 101-104.	1.3	12
94	SnO2:Cu films doped during spray pyrolysis deposition: The reasons ofÂthe gas sensing properties change. Materials Chemistry and Physics, 2013, 142, 124-131.	2.0	11
95	Cathodoluminescence emission study of nanocrystalline indium oxide films deposited by spray pyrolysis. Thin Solid Films, 2007, 515, 8065-8071.	0.8	10
96	SnO₂ Films Decorated by Au Clusters and their Gas Sensing Properties. Materials Science Forum, 2015, 827, 251-256.	0.3	10
97	Kinetic approach to receptor function in chemiresistive gas sensor modeling of tin dioxide. Steady state consideration. Sensors and Actuators B: Chemical, 2018, 259, 443-454.	4.0	10
98	Indium oxide ceramics doped by selenium for one-electrode gas sensors. Sensors and Actuators B: Chemical, 2012, 174, 586-593.	4.0	9
99	Thermoelectric properties of nano-granular indiumâ€"tin-oxide within modified electron filtering model with chemisorption-type potential barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 81, 49-58.	1.3	9
100	Interference effects between hydrogen and ozone in the response of SnO2-based gas sensors. Sensors and Actuators B: Chemical, 2017, 243, 507-515.	4.0	9
101	XPS study of the SnO₂ films modified with Rh. Surface and Interface Analysis, 2018, 50, 795-801.	0.8	9
102	The role of Rh dispersion in gas sensing effects observed in SnO2 thin films. Materials Chemistry and Physics, 2019, 232, 160-168.	2.0	8
103	Structural Features of Silica Coating Obtained from Sol Cooled to the Temperature of Liquid Nitrogen. Arabian Journal for Science and Engineering, 2017, 42, 4299-4305.	1.7	7
104	Chemical Sensors: Simulation and Modeling Vol 2: Conductometric-Type Sensors. , 2012, , .		7
105	Successive ionic layer deposition: possibilities for gas sensor applications. Journal of Physics: Conference Series, 2005, 15, 45-50.	0.3	6
106	The Role of Grain Size in Response of SnO₂- and In₂O₃-Based Conductometric Gas Sensors. Advanced Materials Research, 2012, 486, 153-159.	0.3	5
107	SYNTHESIS OF METAL OXIDE-BASED NANOCOMPOSITES AND MULTICOMPONENT COMPOUNDS USING LAYER-BY-LAYER METHOD AND PROSPECTS FOR THEIR APPLICATION. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlo	0.3	5
108	Metal Oxide Nanocomposites: Advantages and Shortcomings for Application in Conductometric Gas Sensors. Materials Science Forum, 0, 872, 223-229.	0.3	5

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109	Carbon 1s photoemission line analysis of C-based adsorbate on (111)In2O3 surface: The influence of reducing and oxidizing conditions. Applied Surface Science, 2016, 390, 897-902.	3.1	5
110	XPS study of Rh/In2O3 system. Surfaces and Interfaces, 2021, 22, 100794.	1.5	5
111	Ozone Sensing by In2O3 Films Modified with Rh: Dimension Effect. Sensors, 2021, 21, 1886.	2.1	5
112	Using of SILD technology for surface modification of SnO2 films for gas sensor applications. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	4
113	Radiation effects in SnO2â€“Si sensor structures. Radiation Effects and Defects in Solids, 2006, 161, 85-89.	0.4	4
114	Semiconductors in Gas Sensors. Integrated Analytical Systems, 2013, , 167-195.	0.4	4
115	Chemical Sensors Simulation and Modeling Volume 4: Optical Sensors. , 2013, , .		4
116	Thermal Transport Evolution Due to Nanostructural Transformations in Ga-Doped Indium-Tin-Oxide Thin Films. Nanomaterials, 2021, 11, 1126.	1.9	3
117	The Role of the Film Thickness in Sensor Response of the SnO2-Based Devices. Sensor Letters, 2011, 9, 364-368.	0.4	3
118	Control over the Surface Properties of Zinc Oxide Powders via Combining Mechanical, Electron Beam, and Thermal Processing. Nanomaterials, 2022, 12, 1924.	1.9	3
119	Luminescence properties of doped SnO2powders and films designed for gas sensor application. IOP Conference Series: Materials Science and Engineering, 2011, 18, 212008.	0.3	2
120	Surface Modifiers for Metal Oxides in Conductometric Gas Sensors. Integrated Analytical Systems, 2013, , 273-286.	0.4	2
121	Metal Oxide-Based Nanostructures. Integrated Analytical Systems, 2014, , 47-71.	0.4	2
122	Material and Structural Engineering of Metal Oxides Aimed for Gas Sensor Applications. Advanced Materials Research, 2014, 974, 76-85.	0.3	2
123	Metal Oxide-Based Nanocomposites for Conductometric Gas Sensors. Integrated Analytical Systems, 2014, , 197-207.	0.4	2
124	Diffusion processes at the W - InP interface. Semiconductor Science and Technology, 1996, 11, 1402-1404.	1.0	1
125	Surface Plasma Treatment and Sensibilization of Tin Dioxide Films for Enhancement of Gas Sensitivity and Selectivity. Materials Research Society Symposia Proceedings, 2004, 828, 203.	0.1	1
126	Processes controlling the rate of In/sub 2/O/sub 3/ thin film gas sensor's response. , 0, , .		1

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127	SnO₂-Based Thin Film Gas Sensors with Functionalized Surface. Advanced Materials Research, 2010, 93-94, 145-148.	0.3	1
128	Ag nanoclusters synthesized by SILD method: Characterization and applications. , 2010, , .		1
129	Grain Size Effects in Structural Stability of SnO2 and In2O3 Films Aimed for Gas Sensor Applications. , 2010, , .		1
130	Metal Oxides. Integrated Analytical Systems, 2013, , 49-116.	0.4	1
131	In<inf>2</inf>O<inf>3</inf>:Ga-based Ceramics: Advantages and shortcomings for application in one-electrode gas sensors. , 2013, , .		1
132	Technologies Suitable for Gas Sensor Fabrication. Integrated Analytical Systems, 2014, , 393-433.	0.4	1
133	In₂O₃-Based Thin Films Deposited by Spray Pyrolysis as Promising Thermoelectric Material. Advanced Materials Research, 2014, 1043, 40-44.	0.3	1
134	Porous Silicon Characterization and Application: General View. , 2015, , 3-26.		1
135	Thin Film SnO₂ and In₂O₃ Ozone Sensor Design: The Film Parameters Selection. Applied Mechanics and Materials, 0, 799-800, 910-914.	0.2	1
136	Nanoscaled In2O3:Sn films as material for thermoelectric conversion: achievements and limitations. Bulletin of Materials Science, 2016, 39, 1349-1354.	0.8	1
137	Morphological engineering of $$hbox {SnO}_{2}$$ and $$hbox {In}_{2}hbox {O}_{3}$$ films deposited by spray pyrolysis. Bulletin of Materials Science, 2019, 42, 1.	0.8	1
138	Materials for Electrochemical Gas Sensors with Liquid and Polymer Electrolytes. Integrated Analytical Systems, 2013, , 353-364.	0.4	1
139	Solid Electrolytes for Detecting Specific Gases. Integrated Analytical Systems, 2013, , 197-220.	0.4	1
140	EvoluciÃ³n de la morfologÃa y facetaje de nanoestructuras de SnO₂ crecidas por pirÃ³lisis en fase aerosol sobre sustratos de vidrio. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 510-513.	0.9	1
141	Device for automatically measuring the temperature dependences of electrical conductivity, Hall coefficient, and magneto-resistance of semiconductors. Measurement Techniques, 1979, 22, 196-198.	0.2	0
142	Effect of donor-acceptor complex dissociation of the properties of the surface boundary region in P-InP:Zn during its thermal oxidation. Journal of Physics and Chemistry of Solids, 1985, 46, 3-8.	1.9	0
143	Mechanism of the Oxygen Interaction with a Surface of Thin Nanosized Metal Oxide Film. Materials Research Society Symposia Proceedings, 2004, 828, 270.	0.1	0
144	Rational Synthesis and Optimization of Multifunctional Solid-State Gas Sensors. Materials Research Society Symposia Proceedings, 2004, 828, 147.	0.1	0

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145	Filters in Gas Sensors. Integrated Analytical Systems, 2013, , 293-303.	0.4	0
146	Spay Pyrolyzed Nanostructured Tin Dioxide Thin Films Doped by Cobalt: Correlation between Structural and Gas Sensing Characteristics. Applied Mechanics and Materials, 2013, 377, 180-185.	0.2	0
147	Silicon Porosification: Approaches to PSi Parameters Control. , 2015, , 73-126.		0
148	Surface functionalization by gold nanoparticles and its prospects for application in conductometric metal oxide gas sensors. AIP Conference Proceedings, 2017, , .	0.3	0
149	Acid-base properties of the surface of zinc oxide powders subjected to milling in the attritor. Journal of Physics: Conference Series, 2020, 1658, 012042.	0.3	0
150	NANO-SIZE SnO₂ FILMS DEPOSITED BY SILD METHOD: STRUCTURAL AND GAS RESPONSE CHARACTERIZATION. , 2003, , .		0
151	Humidity-Sensitive Materials. Integrated Analytical Systems, 2013, , 389-408.	0.4	0
152	Electrodes and Heaters in MOX-Based Gas Sensors. Integrated Analytical Systems, 2013, , 255-271.	0.4	0
153	Materials for Capacitance-Based Gas Sensors. Integrated Analytical Systems, 2013, , 365-376.	0.4	0
154	The Role of Temporal and Thermal Stability in Sensing Material Selection. Integrated Analytical Systems, 2014, , 243-248.	0.4	0
155	Outlook: Sensing Material Selection Guide. Integrated Analytical Systems, 2014, , 435-440.	0.4	0
156	Bulk Doping of Metal Oxides. Integrated Analytical Systems, 2014, , 323-340.	0.4	0
157	Technological Limitations in Sensing Material Applications. Integrated Analytical Systems, 2014, , 387-392.	0.4	0
158	Instability of Metal Oxide Parameters and Approaches to Their Stabilization. Integrated Analytical Systems, 2014, , 265-300.	0.4	0
159	Temporal Stability of Porous Silicon. Integrated Analytical Systems, 2014, , 311-319.	0.4	0
160	Solid State Gas and Vapor Sensors Based on Porous Silicon. , 2015, , 3-43.		0
161	Modelling and HRTEM computer simulation of facetting of SnO2 nanostructures deposited by spray pyrolysis on glass substrates. , 2018, , 79-82.		0