

Takeo Hyodo

List of Publications by Year in descending order

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docs citations

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3408
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Surface Modification of Platinum Electrodes with Gold on Hydrogen-Sensing Properties of Diode-Type Sensors. , 2022, 1, 013602.		64
2	Improved Toluene Response of Mixed-Potential Type YSZ-Based Gas Sensors Using CeO ₂ -Added Au Electrodes. , 2022, 1, 013604.		64
3	Effects of catalytic combustion behavior and adsorption/desorption properties on ethanol-sensing characteristics of adsorption/combustion-type gas sensors. Journal of Asian Ceramic Societies, 2021, 9, 1015-1030.	1.0	2
4	Effects of Gas Adsorption Properties of an Au-Loaded Porous In ₂ O ₃ Sensor on NO ₂ -Sensing Properties. ACS Sensors, 2021, 6, 4019-4028.	4.0	33
5	Effects of noble-metal loading and ultraviolet-light irradiation on gas-sensing properties of porous indium oxide films at room temperature. Journal of the Ceramic Society of Japan, 2021, 129, 676-682.	0.5	5
6	Enhanced NO ₂ -Sensing Properties of Au-Loaded Porous In ₂ O ₃ Gas Sensors at Low Operating Temperatures. Chemosensors, 2020, 8, 72.	1.8	19
7	Synergistic Effects of PdO _x and CuO _x Loadings on Methyl Mercaptan Sensing of Porous WO ₃ Microspheres Prepared by Ultrasonic Spray Pyrolysis. ACS Applied Materials & Interfaces, 2020, 12, 41728-41739.	4.0	28
8	Adsorption/Combustion-type Micro Gas Sensors: Typical VOC-sensing Properties and Material-design Approach for Highly Sensitive and Selective VOC Detection. Analytical Sciences, 2020, 36, 401-411.	0.8	14
9	Toluene-sensing Properties of Mixed-potential Type Yttria-stabilized Zirconia-based Gas Sensors Attached with Thin CeO ₂ -added Au Electrodes. Analytical Sciences, 2020, 36, 287-290.	0.8	3
10	Nanostructured Pr-doped Ceria (PCO) thin films as sensing electrodes in solid-electrolyte type gas sensors with enhanced toluene sensitivity. Sensors and Actuators B: Chemical, 2020, 317, 128037.	4.0	21
11	Effects of Hexamethyldisilazane Modification on Gas-Sensing Properties of Semiconductor Gas Sensors. ECS Transactions, 2020, 98, 67-73.	0.3	0
12	Solid-State ISFET-Based Sensors Capable of Measuring Acidity of Lubricants. ECS Transactions, 2020, 98, 59-66.	0.3	2
13	Effects of Hexamethyldisilazane Modification on Gas-Sensing Properties of Semiconductor Gas Sensors. ECS Meeting Abstracts, 2020, MA2020-02, 3336-3336.	0.0	0
14	Effects of Pt loading onto SnO ₂ electrodes on CO-sensing properties and mechanism of potentiometric gas sensors utilizing an anion-conducting polymer electrolyte. Sensors and Actuators B: Chemical, 2019, 300, 127041.	4.0	27
15	Basic Gas-Sensing Properties of Photoluminescent Eu ₂ O ₃ -Mixed SnO ₂ -Based Materials with Submicron-Size Macropores. Journal of Nanoscience and Nanotechnology, 2019, 19, 5351-5360.	0.9	2
16	Improvement in NO ₂ Sensing Properties of Semiconductor-Type Gas Sensors by Loading of Au Into Porous In ₂ O ₃ Powders. Frontiers in Materials, 2019, 6, .	1.2	9
17	Potentiometric CO sensors using anion-conducting polymer electrolyte: Effects of the kinds of noble metal-loaded metal oxides as sensing-electrode materials on CO-sensing properties. Sensors and Actuators B: Chemical, 2019, 287, 42-52.	4.0	26
18	CO-Sensing Properties of Diode-Type Gas Sensors Employing Anodized Titania and Noble-Metal Electrodes under Hydrogen Atmosphere. Chemosensors, 2018, 6, 7.	1.8	2

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19	Enhancement of methylmercaptan sensing response of WO ₃ semiconductor gas sensors by gas reactivity and gas diffusivity. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 826-833.	4.0	39
20	Enhanced catalytic activity and thermal stability of lipase bound to oxide nanosheets. <i>RSC Advances</i> , 2018, 8, 20347-20352.	1.7	5
21	Microstructural control of porous In ₂ O ₃ powders prepared by ultrasonic-spray pyrolysis employing self-synthesized polymethylmethacrylate microspheres as a template and their NO ₂ -sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 992-1003.	4.0	30
22	Enhanced sensing response of solid-electrolyte gas sensors to toluene: Role of composite Au/metal oxide sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 268-276.	4.0	36
23	Semiconductor-type SnO ₂ -based NO ₂ sensors operated at room temperature under UV-light irradiation. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 630-640.	4.0	88
24	Enhanced CO Response of NASICON-based Gas Sensors Using Oxide-added Pt Sensing Electrode at Low Temperature Operation. <i>Electrochemistry</i> , 2017, 85, 174-178.	0.6	5
25	Potentiometric Carbon Monoxide Sensors Using an Anion-Conducting Polymer Electrolyte and Au-Loaded SnO ₂ Electrodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, B300-B308.	1.3	24
26	(Invited) Design of Highly Sensitive and Selective Diode-Type H ₂ Sensors. <i>ECS Transactions</i> , 2016, 75, 115-122.	0.3	3
27	VOC-Sensing Properties of Adsorption/Combustion-Type Micro Gas Sensors Using Mesoporous Alumina Co-Loaded with Pt and Metal Oxide. <i>ECS Transactions</i> , 2016, 75, 23-29.	0.3	4
28	Effects of composition and structure of sensing electrode on NO ₂ sensing properties of mixed potential-type YSZ-based gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 247-255.	4.0	25
29	Multicolour photochromism of colloidal solutions of niobate nanosheets intercalated with several kinds of metal ions. <i>Chemical Communications</i> , 2016, 52, 3308-3311.	2.2	11
30	Enhanced NO ₂ gas sensing performance of bare and Pd-loaded SnO ₂ thick film sensors under UV-light irradiation at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 429-439.	4.0	174
31	CO-sensing properties of a NASICON-based gas sensor attached with Pt mixed with Bi ₂ O ₃ as a sensing electrode. <i>Electrochimica Acta</i> , 2015, 155, 8-15.	2.6	28
32	Adsorption/combustion-type VOC sensors employing mesoporous γ -alumina co-loaded with noble-metal and oxide. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1091-1104.	4.0	26
33	CO-sensing Properties of Potentiometric Gas Sensors Using an Anion-conducting Polymer Electrolyte and Au-loaded Metal Oxide Electrodes. <i>Electrochimica Acta</i> , 2015, 166, 232-243.	2.6	30
34	Effects of surface modification of noble-metal sensing electrodes with Au on the hydrogen-sensing properties of diode-type gas sensors employing an anodized titania film. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 105-116.	4.0	31
35	Adsorption/combustion-type gas sensors employing mesoporous γ -alumina loaded with core(Au)/shell(Pd) nanoparticles synthesized by sonochemical reduction. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 748-757.	4.0	11
36	Effects of polytetrafluoroethylene or polyimide coating on H ₂ sensing properties of anodized TiO ₂ films equipped with Pd/Pt electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 253-264.	4.0	25

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37	Porous In ₂ O ₃ powders prepared by ultrasonic-spray pyrolysis as a NO ₂ -sensing material: Utilization of polymethylmethacrylate microspheres synthesized by ultrasonic-assisted emulsion polymerization as a template. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 495-502.	4.0	34
38	Microstructural Controls of a Titania Electrode for Dye-Sensitized Solar Cells. <i>ECS Transactions</i> , 2013, 50, 3-10.	0.3	0
39	Effects of Surface Modification of Noble-Metal Electrodes with Au on the H ₂ -Sensing Properties of Diode-Type Gas Sensors. <i>ECS Transactions</i> , 2013, 50, 171-178.	0.3	0
40	NO ₂ Sensing Properties of Porous In ₂ O ₃ -Based Powders Prepared by Utilizing Ultrasonic-Spray Pyrolysis Employing PMMA Microsphere Templates: Effects of the Size of the PMMA Microspheres on Their Gas-Sensing Properties. <i>ECS Transactions</i> , 2013, 50, 273-278.	0.3	3
41	CO Sensing Properties of Electrochemical Gas Sensors Using an Anion-Conducting Polymer as an Electrolyte. <i>ECS Transactions</i> , 2013, 50, 267-272.	0.3	6
42	Sn-modified Ni-nanowire array films prepared by electrodeposition and their electrochemical properties as an anode material of lithium-ion batteries. , 2012, , .		1
43	CO and CO ₂ sensing properties of electrochemical gas sensors using an anion-conducting polymer as an electrolyte. <i>Electrochimica Acta</i> , 2012, 82, 19-25.	2.6	26
44	Dye-sensitized solar cells using an anion-conducting polymer as a material of solid-state electrolyte. , 2012, , .		0
45	P1.0.7 Preparation of Porous In ₂ O ₃ Powders by Ultrasonic-spray Pyrolysis Employing PMMA Microspheres Synthesized by Emulsion Polymerization and Their Gas-sensing Properties. , 2012, , .		0
46	2.3.3 H ₂ Sensing Properties of Diode-type Sensors Fabricated with Anodized TiO ₂ Films Equipped with Polymer Coated Pd-Pt Electrodes. , 2012, , .		0
47	Preparation of Mesoporous and/or Macroporous SnO ₂ -Based Powders and Their Gas-Sensing Properties as Thick Film Sensors. <i>Sensors</i> , 2011, 11, 1261-1276.	2.1	16
48	Photochemical Synthesis of Monodispersed Ceria Nanocrystals in Simple Cerium Nitrate Solution without Additives. <i>Crystal Growth and Design</i> , 2011, 11, 1202-1207.	1.4	23
49	Diode-type Gas Sensors Fabricated with a Titania Film on a Ti Plate and Pd-Pt Electrodes “Effects of Polymer Coating on the Hydrogen-sensing Properties”. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 212006.	0.3	4
50	H ₂ S Sensing Properties of Macroporous In ₂ O ₃ -Based Sensors. <i>Sensor Letters</i> , 2011, 9, 369-373.	0.4	12
51	Mesoporous Al ₂ O ₃ Co-Loaded with Pd and Au as a Combustion Catalyst for Adsorption/Combustion-Type Gas Sensors. <i>Sensor Letters</i> , 2011, 9, 409-413.	0.4	11
52	Diode-Type H ₂ S Sensors Using Anodized TiO ₂ Films-Structural and Compositional Controls of Noble Metal Sensing Electrodes. <i>Sensor Letters</i> , 2011, 9, 641-645.	0.4	7
53	Effects of Noble Metal Loading to Mesoporous SnO ₂ on the Gas-Sensing Properties. <i>Sensor Letters</i> , 2011, 9, 646-650.	0.4	7
54	Synthesis and gas-sensing properties of nano- and meso-porous MoO ₃ -doped SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 554-560.	4.0	66

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55	Fabrication of porous alumina ceramics having cell windows with controlled size by PMMA template method. <i>Journal of Materials Science</i> , 2010, 45, 3602-3609.	1.7	16
56	NO ₂ sensing properties of macroporous In ₂ O ₃ -based powders fabricated by utilizing ultrasonic spray pyrolysis employing polymethylmethacrylate microspheres as a template. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 265-273.	4.0	67
57	Visible-Light-Enhanced Electroless Deposition of Nanostructured Iron Oxyhydroxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3707-3711.	1.5	14
58	Fabrication of Highly Porous Alumina-Based Ceramics with Connected Spaces by Employing PMMA Microspheres as a Template. <i>Advances in Materials Science and Engineering</i> , 2009, 2009, 1-9.	1.0	6
59	Effects of microstructure of mesoporous SnO ₂ powders on their H ₂ sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 465-470.	4.0	35
60	Effect of macrostructural control of an auxiliary layer on the CO ₂ sensing properties of NASICON-based gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 563-569.	4.0	56
61	H ₂ sensing properties of diode-type gas sensors fabricated with Ti- and/or Nb-based materials. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 97-104.	4.0	20
62	Hydrogen Sensing Properties of an Anodized TiO ₂ Film Equipped with a Pd-Pt Electrode. <i>ECS Transactions</i> , 2009, 16, 293-299.	0.3	6
63	Preparation of porous tin dioxide powder by ultrasonic spray pyrolysis and their application to sensor materials. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 144-150.	4.0	60
64	Preparation and characterization of polyethylene-based hybrid particles by an environmentally-friendly and aqueous solvent evaporation method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 206-216.	2.3	2
65	Preparation of Macroporous Eu-Doped Oxide Thick Films and Their Application to Gas Sensor Materials. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2008, 128, 137-140.	0.0	7
66	Preparation of Macroporous Semiconductor Gas Sensors and Their Odor Sensing Properties. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2008, 128, 141-144.	0.0	8
67	H ₂ S Sensing Properties and Mechanism of Macroporous Semiconductor Sensors. <i>ECS Transactions</i> , 2008, 16, 317-323.	0.3	2
68	Preparation and Gas Sensor Application of Ceramic Particles with Submicron-Size Spherical Macropores. <i>Sensor Letters</i> , 2008, 6, 887-890.	0.4	12
69	Structural Control of Macroporous Noble Metals as Glucose Sensing Electrode Materials. <i>Sensor Letters</i> , 2008, 6, 916-919.	0.4	3
70	H ₂ sensing performance of anodically oxidized TiO ₂ thin films equipped with Pd electrode. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 219-230.	4.0	71
71	Electromagnetic wave absorption properties of carbonyl iron-ferrite/PMMA composites fabricated by hybridization method. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 312, 181-186.	1.0	61
72	Mechano-Processing of Hollow and/or Composite Bio-Materials. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2007, 15, 77-81.	0.0	0

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73	Microsphere Templating as Means of Enhancing Surface Activity and Gas Sensitivity of CaCu ₃ Ti ₄ O ₁₂ Thin Films. <i>Nano Letters</i> , 2006, 6, 193-198.	4.5	147
74	Synthesis and H ₂ gas sensing properties of tin oxide nanohole arrays with various electrodes. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 852-856.	4.0	29
75	Design of anodically oxidized Nb ₂ O ₅ films as a diode-type H ₂ sensing material. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 359-366.	4.0	43
76	Three dimensional arrays of hollow gadolinia-doped ceria microspheres prepared by r.f. magnetron sputtering employing PMMA microsphere templates. <i>Journal of Electroceramics</i> , 2006, 17, 695-699.	0.8	12
77	Synergistic Effect of Pt-Loading and Mesoporous SnO ₂ Layer-Coating on the Gas Sensing Properties of SnO ₂ Thick Film Sensors. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2006, 126, 492-493.	0.0	3
78	Preparation of large mesoporous SnO ₂ powder for gas sensor application. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 56-61.	4.0	106
79	Hydrogen-sensing properties of anodically oxidized TiO ₂ film sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 467-472.	4.0	92
80	Bulk acoustic wave resonator as a sensing platform for NO _x at high temperatures. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 547-552.	4.0	36
81	Preparation of hollow alumina microspheres by microwave-induced plasma pyrolysis of atomized precursor solution. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3563-3572.	2.8	16
82	Preparation of macroporous SnO films using PMMA microspheres and their sensing properties to NO and H ₂ . <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 580-590.	4.0	138
83	Effect of Simultaneous Modification with Metal Loading and Mesoporous Layer on H ₂ Sensing Properties of SnO ₂ Thick Film Sensors. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2005, 125, 70-74.	0.0	8
84	Effect of Core Materials on the Formation of Hollow Alumina Microspheres by Mechanofusion Process. <i>Journal of the American Ceramic Society</i> , 2004, 87, 60-67.	1.9	21
85	Meso- to Macro-Porous Oxides as Semiconductor Gas Sensors. <i>Catalysis Surveys From Asia</i> , 2004, 8, 127-135.	1.0	36
86	Microstructural Control of BaTiO ₃ Thick Film Fabricated by Utilizing Slide-Off Transfer Printing. <i>Journal of Electroceramics</i> , 2004, 13, 519-524.	0.8	2
87	Mesoporous semiconducting oxides for gas sensor application. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1389-1398.	2.8	87
88	Macroporous and nanosized ceramic films prepared by modified sol-gel method with PMMA microsphere templates. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1961-1967.	2.8	39
89	Fabrication of Macroporous Pt Film Electrode. <i>Journal of the Ceramic Society of Japan</i> , 2004, 112, 619-622.	1.3	2
90	Preparation of Thermally Stable Large Mesoporous SnO ₂ Powders by Employing a Triblock Copolymer. <i>Electrochemistry</i> , 2004, 72, 399-401.	0.6	2

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91	Decomposition of Organic Compounds by Microwave-induced Plasma in Liquid Phase. <i>Electrochemistry</i> , 2004, 72, 92-96.	0.6	6
92	H ₂ sensing properties and mechanism of anodically oxidized TiO ₂ film contacted with Pd electrode. <i>Sensors and Actuators B: Chemical</i> , 2003, 93, 519-525.	4.0	81
93	Gas-sensing properties of ordered mesoporous SnO ₂ and effects of coatings thereof. <i>Sensors and Actuators B: Chemical</i> , 2003, 93, 590-600.	4.0	182
94	Preparation of Hollow Alumina Microspheres by Mechanofusion and Ultrasonic Spray Pyrolysis. <i>Key Engineering Materials</i> , 2003, 247, 427-432.	0.4	6
95	Nanostructured titania (TiO ₂) as hydrogen gas sensor. , 2003, , .		1
96	Preparation of Ordered Macroporous Ceramic Films Using PMMA Microspheres as Templates. <i>Key Engineering Materials</i> , 2003, 247, 423-426.	0.4	3
97	Design of Mesoporous Oxides as Semiconductor Gas Sensor Materials. <i>Electrochemistry</i> , 2003, 71, 387-393.	0.6	18
98	Preparation of Thermally Stable Mesoporous TiO ₂ Powder and its Gas Sensor Application. <i>Electrochemistry</i> , 2003, 71, 475-480.	0.6	13
99	NO _x Sensing Properties of WO ₃ -based Semiconductor Gas Sensors Fabricated by Slide-off Transfer Printing. <i>Electrochemistry</i> , 2003, 71, 481-484.	0.6	14
100	Decomposition of Chlorinated Aromatics by Microwave-induced Ar Plasma Generated using SiC Ceramic Trigger under Atmospheric Pressure. <i>Electrochemistry</i> , 2003, 71, 860-865.	0.6	3
101	Preparation of Hollow Alumina Microspheres by Ultrasonic Spray Pyrolysis.. <i>Journal of the Ceramic Society of Japan</i> , 2002, 110, 146-148.	1.3	16
102	Preparation of Core/Shell Microspheres of Polymethylmethacrylate/Alumina by Mechanofusion as a Precursor of Hollow Alumina Microspheres. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 376, 101-106.	0.4	8
103	Preparation and gas-sensing properties of thermally stable mesoporous SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2002, 83, 209-215.	4.0	196
104	Synthesis of mesoporous TiO ₂ -based powders and their gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2002, 87, 122-129.	4.0	170
105	High H ₂ sensing performance of anodically oxidized TiO ₂ film contacted with Pd. <i>Sensors and Actuators B: Chemical</i> , 2002, 83, 195-201.	4.0	173
106	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 2317-2321.	1.7	32
107	SO ₂ Sensing Mechanism of Ag/WO ₃ . <i>Surface States and Electronic Interactions. Electrochemistry</i> , 2001, 69, 109-116.	0.6	3
108	Preparation of Thermally Stable Mesoporous Tin Dioxide Powders with High Specific Surface Area by Utilizing Self-Assembly of Surfactants.. <i>Journal of the Ceramic Society of Japan</i> , 2001, 109, 481-483.	1.3	24

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109	Preparation of Aluminum Nitride Powder from Aluminum Chloride/Ethylenediamine Precursor.. Journal of the Ceramic Society of Japan, 2001, 109, 709-711.	1.3	2
110	Gas sensing properties of semiconductor heterolayer sensors fabricated by slide-off transfer printing. Sensors and Actuators B: Chemical, 2001, 77, 41-47.	4.0	39
111	NOx Sensing Properties of Varistor-Type Gas Sensors Consisting of Micro p-n Junctions. , 2001, 6, 209-217.		22
112	Improvement of SO2 sensing properties of WO3 by noble metal loading. Sensors and Actuators B: Chemical, 2001, 77, 35-40.	4.0	136
113	Preparation of Thermally Stable Mesoporous Tin Oxide as a Semiconductor Gas Sensor Material. , 2001, , 816-819.		2
114	Decomposition of Toxic Halogenated Hydrocarbons by Microwave-Induced Ar Plasma Generated from SiC Ceramics under Atmospheric Pressure. Electrochemistry, 2001, 69, 508-515.	0.6	3
115	Surface Modified Silicon Nitride Powder with Highly Dispersed Sintering Aid via Aqueous Processing.. Journal of the Ceramic Society of Japan, 2000, 108, 790-794.	1.3	1
116	Hydrogen sensing properties of SnO2 varistors loaded with SiO2 by surface chemical modification with diethoxydimethylsilane. Sensors and Actuators B: Chemical, 2000, 64, 175-181.	4.0	44
117	Correlation between methylmercaptan gas-sensing properties and its surface chemistry of SnO2-based sensor materials. Sensors and Actuators B: Chemical, 2000, 65, 349-357.	4.0	55
118	Electrochemical Oxygen Reduction Properties of Perovskite-type Oxides La _{0.8} Ca _{0.2} MnO ₃ and La _{0.8} Ca _{0.2} CoO ₃	0.6	40
119	Improvement of Long-Term Stability of Thin Film Gas Sensors by Ion Beam-Assisted Deposition. Journal of the Electrochemical Society, 2000, 147, 4379.	1.3	5
120	Ion-Exchange Loading of Yttrium Acetate as a Sintering Aid on Aluminum Nitride Powder via Aqueous Processing. Journal of the American Ceramic Society, 2000, 83, 2793-2797.	1.9	32
121	H ₂ Sensing Properties and Mechanism of Nb ₂ O ₅ - Bi ₂ O ₃ Varistor - type Gas Sensors. Electrochemistry, 2000, 68, 24-31.	0.6	40
122	Enhancement of Acetaldehyde Sensitivity of SnO ₂ by Simultaneous Addition of Rh and La ₂ O ₃ . IEEJ Transactions on Sensors and Micromachines, 2000, 120, 482-483.	0.0	1
123	Bi-Functional Oxygen Electrodes Using Pr-Mn-Fe-Based Perovskite-Type Oxides as Catalysts. Materials Science Forum, 1999, 315-317, 562-569.	0.3	9
124	Decomposition of Trichlorotrifluoroethane by Microwave-Induced Ar Plasma Generated from SiC Ceramics under Atmospheric Pressure. Journal of the Electrochemical Society, 1999, 146, 3052-3057.	1.3	7
125	Effect of surface modification on NO2 sensing properties of SnO2 varistor-type sensors. Sensors and Actuators B: Chemical, 1999, 60, 118-124.	4.0	33
126	Acetaldehyde Gas Sensing Properties and Surface Chemistry of SnO2-Based Sensor Materials. Journal of the Electrochemical Society, 1999, 146, 1222-1226.	1.3	19

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127	NO _x Gas Sensing Properties and Mechanism of ZnO-Based Varistor-Type Gas Sensors. IEEJ Transactions on Sensors and Micromachines, 1999, 119, 103-107.	0.0	5
128	Oxygen Reduction Activities of Praseodymium Manganites in Alkaline Solution. Journal of the Ceramic Society of Japan, 1997, 105, 412-417.	1.3	6
129	Title is missing!. Journal of Applied Electrochemistry, 1997, 27, 745-745.	1.5	31
130	Catalytic Activities of Rare-Earth Manganites for Cathodic Reduction of Oxygen in Alkaline Solution. Journal of the Electrochemical Society, 1996, 143, L266-L267.	1.3	120
131	Gas Diffusion-Type Oxygen Electrode Using Perovskite-Type Oxides for Metal-Air Batteries. Materials Research Society Symposia Proceedings, 1995, 393, 79.	0.1	9
132	Gas Diffusion-Type Oxygen Electrode using Perovskite-Type Oxides for Rechargeable Metal-Air Batteries. Electrochemistry, 1993, 61, 1458-1460.	0.3	15
133	Development of a new preparation method of thermally stable mesoporous titania and its application to gas sensors. , 0, , .		0
134	Design of anodically oxidized metal oxide films as a gas sensor material. , 0, , .		0
135	H ₂ Sensing Performance of TiO ₂ -Based Diode-Type Sensors. Advanced Materials Research, 0, 47-50, 1510-1513.	0.3	7
136	Sensing Properties of Diode-Type Gas Sensors. Advances in Science and Technology, 0, , .	0.2	2