

Youichi Shimizu

List of Publications by Year in descending order

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papers

2,572
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159358

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#	ARTICLE	IF	CITATIONS
1	Oxygen sorption and catalytic properties of $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Fe}_y\text{O}_3$ Perovskite-type oxides. Journal of Catalysis, 1990, 121, 432-440.	3.1	232
2	Bifunctional Oxygen Electrode Using Large Surface Area $\text{La}_{1-x}\text{Ca}_x\text{CoO}_3$ for Rechargeable Metal-Air Battery. Journal of the Electrochemical Society, 1990, 137, 3430-3433.	1.3	165
3	Solid Electrolyte CO_2 Sensor Using Binary Carbonate Electrode. Chemistry Letters, 1990, 19, 2033-2036.	0.7	121
4	Carbon Dioxide Sensor Using Sodium Ion Conductor and Binary Carbonate Auxiliary Electrode. Journal of the Electrochemical Society, 1992, 139, 1384-1388.	1.3	121
5	Sol-gel Synthesis of Perovskite-type Lanthanum Manganite Thin Films and Fine Powders Using Metal Acetylacetonate and Poly(vinyl alcohol). Journal of the American Ceramic Society, 1997, 80, 2702-2704.	1.9	81
6	Solid electrolyte CO_2 sensor using NASICON and perovskite-type oxide electrode. Sensors and Actuators B: Chemical, 2000, 64, 102-106.	4.0	76
7	Solid Electrolyte CO_2 Sensor Using NASICON and Li-based Binary Carbonate Electrode. Chemistry Letters, 1991, 20, 2069-2072.	0.7	69
8	Development of high-performance solid-electrolyte sensors for NO and NO_2 . Sensors and Actuators B: Chemical, 1993, 13, 387-390.	4.0	69
9	High-performance solid-electrolyte carbon dioxide sensor with a binary carbonate electrode. Sensors and Actuators B: Chemical, 1992, 9, 165-170.	4.0	63
10	Electrochromic properties of vanadium pentoxide thin films prepared by new wet process. Applied Physics Letters, 1992, 60, 802-804.	1.5	58
11	Solid-state NO_x sensor combined with NASICON and PbRu -based pyrochlore-type oxide electrode. Sensors and Actuators B: Chemical, 2000, 65, 141-143.	4.0	58
12	Solid Electrolyte Carbon Dioxide Sensor Using Sodium-Ion Conductor and $\text{Li}_2\text{CO}_3\text{-BaCO}_3$ Electrode. Japanese Journal of Applied Physics, 1992, 31, L197-L199.	0.8	57
13	Use of Sodium Nitrite Auxiliary Electrode for Solid Electrolyte Sensor to Detect Nitrogen Oxides. Chemistry Letters, 1992, 21, 587-590.	0.7	56
14	Gas-Diffusion Electrodes for Oxygen Reduction Loaded with Large Surface Area $\text{La}_{1-x}\text{Ca}_x\text{MO}_3$ ($M=\text{Co}, \text{Mn}$). Chemistry Letters, 1988, 17, 1979-1982.	0.7	55
15	New Preparation Process of V_2O_5 Thin Film Based on Spin-Coating from Organic Vanadium Solution. Japanese Journal of Applied Physics, 1990, 29, L1708-L1711.	0.8	54
16	Electrochromism of vanadium-titanium oxide thin films prepared by spin-coating method. Applied Physics Letters, 1992, 61, 243-245.	1.5	52
17	Sensing characteristics of hydrogen peroxide sensor using carbon-based electrode loaded with perovskite-type oxide. Sensors and Actuators B: Chemical, 1996, 34, 493-498.	4.0	41
18	Solid electrolyte NO_x sensor using pyrochlore-type oxide electrode. Devoted to the late Dr Tetsuro Seiyama. Sensors and Actuators B: Chemical, 1998, 52, 84-89.	4.0	41

#	ARTICLE	IF	CITATIONS
19	New auxiliary sensing materials for solid electrolyte NO ₂ sensors. <i>Solid State Ionics</i> , 1994, 70-71, 572-577.	1.3	40
20	Solid Electrolyte NO ₂ Sensors Fitted with Sodium Nitrate and/or Barium Nitrate Electrodes. <i>Electrochemistry</i> , 1991, 59, 465-472.	0.3	38
21	Solid electrolyte carbon dioxide sensor using sodium ionic conductor and lithium carbonate-based auxiliary phase. <i>Applied Physics A: Solids and Surfaces</i> , 1993, 57, 25-29.	1.4	38
22	High-performance solid-electrolyte SO _x sensor using MgO-stabilized zirconia tube and Li ₂ SO ₄ -CaSO ₄ -SiO ₂ auxiliary phase. <i>Sensors and Actuators B: Chemical</i> , 1994, 20, 81-87.	4.0	37
23	Sol-gel synthesis of NASICON discs from aqueous solution. <i>Journal of Materials Chemistry</i> , 1997, 7, 1457-1460.	6.7	37
24	Effects of Oxygen Vacancies and Reaction Conditions on Oxygen Reduction Reaction on Pyrochlore-Type Lead-Ruthenium Oxide. <i>Journal of the Electrochemical Society</i> , 2015, 162, F129-F135.	1.3	36
25	Cordless solid-state hydrogen sensor using proton-conductor thick film. <i>Sensors and Actuators B: Chemical</i> , 1990, 1, 125-129.	4.0	34
26	Solid-state potentiometric CO ₂ sensors using anion conductor and metal carbonate. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 260-265.	4.0	34
27	Sol-gel processing of NASICON thin film using aqueous complex precursor. <i>Solid State Ionics</i> , 2000, 132, 143-148.	1.3	34
28	Bi-functional Oxygen Electrode Using Large Surface Area Perovskite-type Oxide Catalyst for Rechargeable Metal-Air Batteries. <i>Chemistry Letters</i> , 1992, 21, 1033-1036.	0.7	33
29	Effect of preparation routes on the catalytic activity over SmFeO ₃ oxide. <i>Catalysis Today</i> , 2008, 139, 125-129.	2.2	32
30	Preparation of Vanadium-Titanium Oxide Thin Films by Sol-Gel Method and Their Electrochromic Properties. <i>Journal of the Ceramic Society of Japan</i> , 1993, 101, 1032-1037.	1.3	31
31	Influence of Oxygen Content on the Superconductivity of Bi-Based Oxides Homologous to 2212 Phase. <i>Japanese Journal of Applied Physics</i> , 1991, 30, L1798-L1801.	0.8	29
32	Electrochromic properties of spin-coated V ₂ O ₅ thin films. <i>Solid State Ionics</i> , 1992, 53-56, 490-495.	1.3	29
33	Electrochromism of gold-vanadium pentoxide composite thin films prepared by alternating thermal deposition. <i>Applied Physics Letters</i> , 1994, 64, 1059-1061.	1.5	29
34	Characteristics and sensing mechanism of SO _x sensor using stabilized zirconia and metal sulphate. <i>Sensors and Actuators B: Chemical</i> , 1993, 12, 77-81.	4.0	28
35	Solid-State Sensor for Sulfur Oxides Based on Stabilized Zirconia and Metal Sulphate. <i>Chemistry Letters</i> , 1992, 21, 635-638.	0.7	26
36	Solid Electrolyte-Based NO _x Sensor Using Auxiliary Phase of Metal Oxide. <i>Chemistry Letters</i> , 1996, 25, 117-118.	0.7	25

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37	Oxygen Adsorption-Desorption Behavior and Superconducting Properties of High-TcBi(Pb)-Sr-Ca-Cu-O. Japanese Journal of Applied Physics, 1989, 28, L1112-L1114.	0.8	24
38	Perovskite-Type Oxide-Based Electrode: A New Sensor for Hydrogen-Phosphate Ion. Journal of the Electrochemical Society, 2000, 147, 3931.	1.3	22
39	Photoelectrochemical reduction of CO ₂ using a TiO ₂ photoanode and a gas diffusion electrode modified with a metal phthalocyanine catalyst. Electrochimica Acta, 2020, 338, 135805.	2.6	22
40	Sensing behavior of solid-state impedancemetric NO _x sensor using solid electrolyte transducer and oxide receptor. Sensors and Actuators B: Chemical, 2013, 187, 94-98.	4.0	21
41	Carbon Dioxide Sensor Using Combination of Fluoride Ion Conductor and Metal Carbonate. Chemistry Letters, 1993, 22, 1973-1976.	0.7	18
42	Stabilized Zirconia Based CO ₂ Sensors Combined with Carbonate Auxiliary Phase. Chemistry Letters, 1994, 23, 393-396.	0.7	18
43	An opto-electrochemical phosphate-ion sensor using a cobalt-oxide thin-film electrode. Solid State Ionics, 1998, 113-115, 241-245.	1.3	18
44	Sensing characteristics of ISFET-based hydrogen sensor using proton-conductive thick film. Sensors and Actuators B: Chemical, 1995, 25, 499-503.	4.0	17
45	Sensing properties of solid electrolyte SO ₂ sensor using metal-sulfide electrode. Journal of Materials Science, 2003, 38, 4301-4305.	1.7	17
46	Kinetics of cathodic oxygen reduction on lanthanum-based perovskite-type oxides.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1985, 1985, 644-650.	0.1	16
47	Solid electrolyte impedancemetric NO _x sensor attached with zeolite receptor. Sensors and Actuators B: Chemical, 2018, 264, 177-183.	4.0	16
48	A Solution Route to Synthesize Nickel Thiospinels. Chemistry Letters, 2001, 30, 1028-1029.	0.7	14
49	Use of oxide electrodes for proton-conductor gas sensor. Solid State Ionics, 1990, 40-41, 452-455.	1.3	13
50	Fabrication of Sm-Based Perovskite-Type Oxide Thin-Films and Gas Sensing Properties to Acetylene. Journal of Sensor Technology, 2012, 02, 75-81.	0.4	13
51	Effects of Crystallographic Structures of Metal-Phthalocyanine on Electrocatalytic Properties of Oxygen Reduction in Acidic Condition. Electrocatalysis, 2019, 10, 653-662.	1.5	13
52	Gas diffusion electrode for oxygen reduction loaded with lanthanum-based perovskite-type oxides.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1986, 1986, 751-755.	0.1	11
53	Preparation of Sodium Ionic Conductor Based on Sol-Gel Method Using Aqueous Solution. Japanese Journal of Applied Physics, 1995, 34, L833-L836.	0.8	11
54	Sol-gel processing of Li _{1.5} Al _{0.5} Ti _{1.5} (PO ₄) ₃ solid electrolyte thin films via polymeric complex precursor. Journal of Sol-Gel Science and Technology, 2016, 79, 564-572.	1.1	11

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55	Solid-State SO ₂ Sensor Using a Sodium-Ionic Conductor and a Metal-Sulfide Electrode. International Journal of Applied Ceramic Technology, 2006, 3, 193-199.	1.1	10
56	Impedancemetric acetylene gas sensing properties of Sm ²⁺ -Fe-based perovskite-type oxide-based thick-film device. Sensors and Actuators B: Chemical, 2013, 187, 128-134.	4.0	10
57	A thick-film impedancemetric carbon monoxide sensor using layered perovskite-type cuprate. Sensors and Actuators B: Chemical, 2017, 249, 667-672.	4.0	10
58	Influence of Oxygen on Detection of Nitrogen Oxides with Solid Electrolyte Sensor Using NaNO ₃ . Chemistry Letters, 1993, 22, 193-196.	0.7	9
59	Preparation of gold-dispersed vanadium oxide thin films by an alternate spin-coating method for electrochromic applications. Journal of Materials Chemistry, 1994, 4, 1581.	6.7	9
60	Optoelectrochemical Hydrogen-Phosphate Ion Sensor Based on Electrochromism of Spinel-Type Oxide Thin-Film Electrode. Japanese Journal of Applied Physics, 2002, 41, 6243-6246.	0.8	8
61	A Pyrochlore-Type Oxide Electrocatalyst for DMFC. ECS Transactions, 2006, 3, 263-273.	0.3	8
62	Improvement of Sensing Performance of Impedancemetric C ₂ H ₂ Sensor Using SmFeO ₃ Thin-Films Prepared by a Polymer Precursor Method. Sensors, 2019, 19, 773.	2.1	8
63	Electrochromic Phosphate-Ion Sensor Based on Nickel-Oxide Thin-Film Electrode. Japanese Journal of Applied Physics, 2000, 39, L384-L386.	0.8	7
64	A NO _x Sensor Using Solid Electrolyte Impedance Transducer and Perovskite-Type Oxide Receptor. ECS Transactions, 2006, 1, 131-140.	0.3	7
65	Preparation of High Lithium-Ion Conductive Ceramic. Materials Science Forum, 2007, 544-545, 1033-1036.	0.3	6
66	Preparation of Amperometric Hydrogen-Phosphate Ion Sensor Based on Perovskite-Type Oxide Thick-Film by EPD Process. Electrochemistry, 2010, 78, 150-152.	0.6	6
67	Water Electrolysis Using Water-Absorbing Porous Electrolyte Consisting of a Sulfonated Nanotitania Proton Conductor. Electrochemistry, 2012, 80, 246-248.	0.6	6
68	Surface luminescence patterning of Cu ⁺ doped In^{2+} -Al ₂ O ₃ single-crystal films. Solid State Ionics, 1998, 110, 69-72.	1.3	5
69	A NO _x Sensor Based on Solid-Electrolyte Impedance Transducer. Advanced Materials Research, 2008, 47-50, 479-482.	0.3	5
70	Synthesis of NASICON-Type Luminescent Ceramics. ECS Transactions, 2009, 16, 81-86.	0.3	5
71	Wet-Chemical Preparation and Oxygen Reduction Properties of Nickel-Based Sulfide Electrocatalysts for Polymer Electrolyte Fuel Cell. Electrochemistry, 2011, 79, 364-366.	0.6	5
72	Preparation of layered perovskite-type cuprate thick-film electrode by electrophoretic deposition method and its nitrite-ion sensing properties. Journal of the Ceramic Society of Japan, 2019, 127, 703-707.	0.5	5

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73	Gas-phase electrolysis of hydrobromic acid using PTFE-bonded carbon electrode. International Journal of Hydrogen Energy, 1988, 13, 345-349.	3.8	4
74	CO and H ₂ Sensing Properties of Proton-Conductor Sensor Using Pt-Loaded Oxide Electrodes. Chemistry Letters, 1989, 18, 1103-1106.	0.7	4
75	Effects of Oxygen Sorption-Desorption on Superconductivity of High-Tc Bi(Pb)-Sr-Ca-Cu-O. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 184, 189-193.	0.3	4
76	Amperometric Hydrogen Sensor Using Proton Conductor (Antimonic Acid) Thick Film.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 736-740.	0.1	4
77	A Hydrogen-Phosphate Ion Sensor Using Solid Electrolyte Impedance Transducer and Perovskite-Type Oxide Receptor. Electrochemistry, 2006, 74, 163-165.	0.6	4
78	AN STM OBSERVATION OF ADSORPTION OF CuPc ON THE Si(100) SURFACE WITH BI-LINE STRUCTURES. Surface Review and Letters, 2007, 14, 957-961.	0.5	4
79	Preparation of Perovskite-Type Oxide Fine-Powder by Polymer Precursor Method. ECS Transactions, 2009, 16, 87-90.	0.3	4
80	Carbonate powder mixing calcination method for low-temperature synthesis of perovskite-type SmFeO ₃ fine powder. Journal of the Ceramic Society of Japan, 2013, 121, 246-249.	0.5	4
81	Processing of δ -Phase Metal Phthalocyanine Powders by Interface Neutralization Method. Chemistry Letters, 2016, 45, 1066-1068.	0.7	4
82	Gas diffusion electrodes for oxygen reduction loaded with transition metal nitrides.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 617-622.	0.1	3
83	Oxygen Sensor Using Proton-Conductor Thick-Film Operative at Room Temperature. Journal of the Ceramic Society of Japan, 1989, 97, 1300-1303.	1.3	3
84	Synthetic conditions of high-Tc (2223) phase of Bi-Pb-Sr-Ca-Cu-O superconductor.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 1329-1335.	0.1	3
85	Activity and mechanism of oxygen reduction on gas diffusion-type carbon electrode loaded with large surface area La _{1-x} CaxMO ₃ (M=Co, Mn).. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 1323-1328.	0.1	3
86	A Solid Electrolyte Impedancemetric NO _x Sensor Using Oxide Receptor. ECS Transactions, 2006, 3, 163-171.	0.3	3
87	Electrocatalytic Properties of Pyrochlore-Type Oxide for PEFC. ECS Transactions, 2009, 16, 955-959.	0.3	3
88	Fabrication of Nano-LaCrO ₃ Receptor by Polymeric Precursor Method and Its Impedancemetric NO _x Sensing Properties. Journal of Nanoscience and Nanotechnology, 2012, 12, 1141-1146.	0.9	3
89	Preparation of Sn/Mn zirconium phosphate as rare earth free possible white emitting phosphor. Journal of Alloys and Compounds, 2013, 580, 369-372.	2.8	3
90	Pyrochlore-type Bi ₂ Sn ₂ O ₇ oxide as an electrocatalyst for carbon dioxide reduction. Journal of the Ceramic Society of Japan, 2018, 126, 843-846.	0.5	3

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91	A Cobalt-Nickel Metal-Alloy Thin-Film Sensor for Hydrogen-Phosphate Ion. Analytical Sciences, 2021, 37, 337-340.	0.8	3
92	Effects of microwave-assisted reflux in wet-chemical synthesis of high sodium-ion conductive Na ₅ DySi ₄ O ₁₂ . Solid State Ionics, 2021, 364, 115607.	1.3	3
93	Gas-diffusion type oxygen cathode loaded with large surface area perovskite-type oxide.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1988, 1988, 1501-1503.	0.1	2
94	A lithium-ion conductive Li _{1.5} Al _{0.25} Ga _{0.25} Ti _{1.5} (PO ₄) ₃ solid electrolyte for electrochemical device. Solid State Ionics, 2020, 346, 115212.	1.3	2
95	Investigation of the Effect of Hydrophilicity on Oxygen Reduction Reaction Property with Measurement of Water Vapor Specific Surface Area. Electrochemistry, 2021, 89, 597-601.	0.6	2
96	Effect of Metal-Nitrate Receptor on Solid-Electrolyte Impedancemetric NO _x Sensor Performance. IEEJ Transactions on Sensors and Micromachines, 2022, 142, 13-14.	0.0	2
97	Oxygen Sorption-Desorption Behavior and Superconductivity of Bi-Based Oxide Superconductor (2212) Tj ETQq1	1.0, 1.3	784314, 1
98	Tc enhancement of excess Sr-doped Bi-2223 oxides by control of oxygen content. Physica C: Superconductivity and Its Applications, 1994, 235-240, 479-480.	0.6	1
99	Preparation of Metal-Vanadium Oxide Thin Films by Alternate Thermal Deposition for New Electrochromic Coloration. Journal of the Ceramic Society of Japan, 1994, 102, 571-577.	1.3	1
100	Electrochromic Properties of Mixed Metal Oxide Thin-Film and Its Application to Nitrate-Ion Sensor. ECS Transactions, 2007, 3, 1-6.	0.3	1
101	Preparation of NASICON-Based Ceramic Thick-Film with Electrophoretic Deposition for Solid-State Photoluminescence Device. Key Engineering Materials, 2009, 412, 107-111.	0.4	1
102	Impedancemetric Sensor Using Eu ₂ CuO ₄ Thick Film for Detection of CO. IEEJ Transactions on Sensors and Micromachines, 2021, 141, 37-38.	0.0	1
103	Preparation of Perovskite-Type SmFeO ₃ Thin-Film and Gas Sensing Properties to Acetylene. Sensor Letters, 2011, 9, 51-54.	0.4	1
104	Amperometric Nitrite-Ion Sensor Based on Electrodeposited Sm-Based Perovskite-Type Oxide Thick-Film Electrode. Sensors and Materials, 2016, , .	0.3	1
105	Amperometric Hydrogen Peroxide Sensor Using Carbon Electrode Loaded with Perovskite-type Oxide. Electrochemistry, 2001, 69, 272-275.	0.6	1
106	Fabrication and NO _x Gas Sensing Properties of LaMeO ₃ (Me = Cr, Co) by Polymeric Precursor Method. Korean Journal of Materials Research, 2011, 21, 468-475.	0.1	1
107	Optical Phosphate-Ion Sensor Based on Electrochromism of Metal-Oxide Thin-Film Electrode. IEEJ Transactions on Sensors and Micromachines, 1999, 119, 285-289.	0.0	1
108	Solid-Electrolyte Impedancemetric CO ₂ Sensor Attached with La _{0.4} Sr _{0.6} MnO ₃ Receptor. IEEJ Transactions on Sensors and Micromachines, 2020, 140, 14-17.	0.0	1

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109	Gas-phase electrolysis of HBr using PTFE-bonded carbon electrode.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 1513-1517.	0.1	0
110	Relationships between Oxygen Content, Modulation Period and Superconducting Property of Bi-Based Superconducting Oxides.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 938-943.	0.1	0
111	Relationship between oxygen content and seebeck coefficient of Bi-based superconducting oxides. Physica C: Superconductivity and Its Applications, 1994, 235-240, 481-482.	0.6	0
112	Relationships among Seebeck Coefficient, Oxygen Content and Superconductivity of Bi-Sr-Ca-Cuprates. Journal of the Ceramic Society of Japan, 1995, 103, 172-176.	1.3	0
113	Solid-state SO ₂ /X sensor based on NASICON and metal sulfide electrode. , 0, , .		0
114	Preparation and Anion Sensing Properties of Perovskite-Type Oxide Thick-Film via EPD Method. ECS Transactions, 2006, 3, 211-219.	0.3	0
115	Electrochemical Ceramic Device for Hydrogen-Phosphate Ion Sensor. Advances in Science and Technology, 2006, 45, 1792.	0.2	0
116	Preparation of Perovskite-Type Oxide Thick-Film Device by EPD Method and its Application for Electrochemical Hydrogen-Phosphate Ion Sensor. Key Engineering Materials, 0, 507, 215-219.	0.4	0
117	Synthesis of Nano-Cobalt Metal Doped Carbon for Hydrogen-Phosphate Ion Sensor. IEEJ Transactions on Sensors and Micromachines, 2021, 141, 310-311.	0.0	0
118	A Planar-Type CO ₂ Sensor Using NASICON and Perovskite-Type Oxide Thin-Films. IEEJ Transactions on Sensors and Micromachines, 2000, 120, 488-489.	0.0	0
119	Hydrogen Peroxide Sensor Using Perovskite-type Oxide Based Electrode and Solid Polymer Electrolyte. IEEJ Transactions on Sensors and Micromachines, 1998, 118, 53-54.	0.0	0
120	Fabrication of Stack-Structured Gas Sensor of LaCr _x Co _{1-x} O ₃ / Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ and Its NO _x Sensing Properties. Korean Journal of Materials Research, 2015, 25, 423-428.	0.1	0
121	Solid-State HCl Gas Sensor Using Na _{0.5} DySi ₄ O ₁₂ and RuO ₂ Electrode. IEEJ Transactions on Sensors and Micromachines, 2021, 141, 386-387.	0.0	0
122	An Impedancemetric Micro NO ₂ Sensor Using Oxide and Solid-Electrolyte Thin-Films. IEEJ Transactions on Sensors and Micromachines, 2020, 140, 305-308.	0.0	0
123	Bi-functional Oxygen Electrocatalysts Using Mixed-Metal Tungsten-Nitrides in Alkaline Media. Electrochemistry, 2022, , .	0.6	0