

Zirconia-based amperometric sensor using La-Sr-based electrode for detection of NO₂

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Amperometric-type NO _x sensor based on YSZ electrolyte and La-based perovskite-type oxide sensing electrode. Journal of the Ceramic Society of Japan, 2010, 118, 180-183.	0.5	14
2	Effects of Sr Addition to La-Based Perovskite Sensing-Electrode on YSZ-Based Amperometric-Type NO _x Sensor. IOP Conference Series: Materials Science and Engineering, 2011, 18, 212012.	0.3	2
3	Synthesis and Characterization of ZrO ₂ /Graphene Nanocomposite Materials. Advanced Materials Research, 2012, 531, 161-164.	0.3	3
4	One Step Synthesis and Characterization of Zirconia-Graphene Composites. Advanced Materials Research, 2012, 600, 174-177.	0.3	0
5	An amperometric NO ₂ sensor based on nano-structured La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ prepared by impregnating method. Journal of Alloys and Compounds, 2012, 526, 145-150.	2.8	18
6	Effect of Sr addition to La-based perovskite-type oxide as an electrode material for zirconia-based amperometric-type NO _x sensor. Ionics, 2012, 18, 337-342.	1.2	8
7	A La ₁₀ Si ₅ NbO _{27.5} based electrochemical sensor using nano-structured NiO sensing electrode for detection of NO ₂ . Materials Letters, 2013, 109, 16-19.	1.3	19
8	Pt-CeO ₂ nanofibers based high-frequency impedancemetric gas sensor for selective CO and C ₃ H ₈ detection in high-temperature harsh environment. Sensors and Actuators B: Chemical, 2013, 188, 1141-1147.	4.0	48
9	A novel impedancemetric NO ₂ sensor based on nano-structured La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ prepared by impregnating method. Sensors and Actuators B: Chemical, 2013, 188, 778-786.	4.0	17
10	An amperometric NO ₂ sensor based on La ₁₀ Si ₅ NbO _{27.5} electrolyte and nano-structured CuO sensing electrode. Journal of Hazardous Materials, 2013, 262, 545-553.	6.5	39
11	Temperature dependence of NO ₂ sensitivity of YSZ-based mixed potential type sensor attached with NiO sensing electrode. Ionics, 2013, 19, 1681-1686.	1.2	16
12	High temperature amperometric NO ₂ sensor based on nano-structured Gd _{0.2} Sr _{0.8} FeO ₃ prepared by impregnating method. Journal of Alloys and Compounds, 2014, 583, 361-365.	2.8	19
13	Solid-state gas sensors for high temperature applications – a review. Journal of Materials Chemistry A, 2014, 2, 9919-9943.	5.2	223
14	A review of mixed-potential type zirconia-based gas sensors. Ionics, 2014, 20, 901-925.	1.2	271
15	Planar Impedancemetric NO Sensor with Thick Film Perovskite Electrodes Based on Samarium Cobaltite. Electroanalysis, 2015, 27, 760-769.	1.5	7
16	Effective improvement of sensing performance of amperometric NO ₂ sensor by Ag-modified nano-structured CuO sensing electrode. Sensors and Actuators B: Chemical, 2015, 207, 791-800.	4.0	36
17	NO ₂ sensing properties of electrode-supported sensor by tape casting and co-firing method. Ionics, 2015, 21, 2655-2662.	1.2	7
18	The effects of sintering temperature of (La _{0.8} Sr _{0.2}) ₂ FeMnO ₆ on the NO ₂ sensing property for YSZ-based potentiometric sensor. Sensors and Actuators B: Chemical, 2015, 206, 311-318.	4.0	29

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19	A GdAlO ₃ Perovskite Oxide Electrolyte-Based NO _x Solid-State Sensor. <i>Scientific Reports</i> , 2016, 6, 37795.	1.6	18
20	High-temperature stabilized zirconia-based sensors utilizing MNb ₂ O ₆ (M: Co, Ni and Zn) sensing electrodes for detection of NO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 523-530.	4.0	35
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24	Impedancemetric YSZ-based oxygen sensor using BaFeO ₃ sensing-electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 279-282.	4.0	18
25	High-temperature NO ₂ sensor based on aluminum/indium co-doped lanthanum silicate oxyapatite electrolyte and cobalt-free perovskite oxide sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 629-640.	4.0	13
26	Review "Electrochemical NO _x Gas Sensors Based on Stabilized Zirconia. <i>Journal of the Electrochemical Society</i> , 2017, 164, B610-B619.	1.3	43
27	A Novel Highly Sensitive NO ₂ Sensor Based on Perovskite Na _{0.5+x} Bi _{0.5} TiO ₃ Electrolyte. <i>Scientific Reports</i> , 2017, 7, 4997.	1.6	7
28	High-temperature NO ₂ gas sensor based on stabilized zirconia and CoTa ₂ O ₆ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 148-157.	4.0	52
29	Enhanced mixed potential NO _x gas response performance of surface modified and NiO nanoparticles infiltrated solid-state electrochemical-based NiO-YSZ composite sensing electrodes. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 664-677.	4.0	12
30	Impedancemetric NO ₂ sensor based on Pd doped perovskite oxide sensing electrode conjunction with phase angle response. <i>Electrochimica Acta</i> , 2018, 265, 411-418.	2.6	20
31	Dense LaSrMnO ₃ composite electrodes for NO _x sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 351-358.	4.0	16
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33	Preparation of (La _{0.8} Sr _{0.2}) ₂ FeNiO ₆ Nanopowder by Pechini Method and Its Sensitivity to NO ₂ . <i>MATEC Web of Conferences</i> , 2018, 175, 01034.	0.1	0
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35	High-response dual-purpose NO ₂ sensor with layered-Bi ₂ WO ₆ sensing electrode. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112937.	2.0	5
36	Towards an all-fiber system for detection and monitoring of ammonia. , 2019, , .		1

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37	Investigation on Impedencemetric-type NO ₂ Sensor Based on La _{0.75} Sr _{0.25} Mn _{0.5} Co _{0.5} O _{3-δ} Sensing Electrode. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 523-528.	0.6	4
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41	A review of zirconia oxygen, NO _x , and mixed potential gas sensors – History and current trends. Sensors and Actuators B: Chemical, 2022, 370, 132363.	4.0	20
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