

Jianzhong Xiao

List of Publications by Year in descending order

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papers

543
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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of CoFe ₂ O ₄ electrode microstructure on the sensing properties for mixed potential NH ₃ sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 462-466.	7.8	61
2	Effect of V ₂ O ₅ -content on electrode catalytic layer morphology and mixed potential ammonia sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 658-663.	7.8	47
3	Effects of sintering temperature on sensing properties of V ₂ O ₅ -WO ₃ -TiO ₂ electrode for potentiometric ammonia sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 268-275.	7.8	35
4	High NH ₃ selectivity of NiFe ₂ O ₄ sensing electrode for potentiometric sensor at elevated temperature. <i>Analytica Chimica Acta</i> , 2019, 1089, 165-173.	5.4	35
5	Effects of CeVO ₄ electrode morphology and oxygen content on ammonia sensing properties for potentiometric sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126863.	7.8	30
6	Dielectric, Ferroelectric, Pyroelectric, and Piezoelectric Properties of La ²⁺ -Modified Lead-Free Sodium ⁺ -Potassium Bismuth Titanate Thick Films. <i>Journal of the American Ceramic Society</i> , 2010, 93, 750-757.	3.8	29
7	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. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 311-318.	7.8	29
8	Effects of sintering temperature on the NH ₃ sensing properties of Mg ₂ Cu _{0.25} Fe ₁₀ 3.75 electrode for YSZ-based potentiometric NH ₃ sensor. <i>Ceramics International</i> , 2016, 42, 2214-2220.	4.8	27
9	Effect of MgO doping on the BiVO ₄ sensing electrode performance for YSZ-based potentiometric ammonia sensor. <i>Solid-State Electronics</i> , 2018, 147, 19-25.	1.4	27
10	Superior sensitive NiFe ₂ O ₄ electrode for mixed-potential NO ₂ sensor. <i>Ceramics International</i> , 2019, 45, 2962-2967.	4.8	27
11	Sensing properties of YSZ-based NO _x sensors with double-perovskite (La _{0.8} Sr _{0.2}) ₂ FeNiO ₆ -sensing electrodes. <i>Ceramics International</i> , 2014, 40, 9257-9263.	4.8	26
12	Piezoelectric and dielectric aging of Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ lead-free ferroelectric thick films. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	24
13	Effects of YSZ addition on the response of La ₂ CuO ₄ sensing electrode for a potentiometric NO _x sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 730-736.	7.8	23
14	High sensitivity and fast response sensor based on sputtering Au tuned ZnFe ₂ O ₄ -SE for low concentration NH ₃ detection. <i>Materials Chemistry and Physics</i> , 2020, 239, 122302.	4.0	18
15	Potentiometric ammonia sensor with InVO ₄ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128140.	7.8	18
16	Effect of electrode microstructure on the sensitivity and response time of potentiometric NO _x sensors based on stabilized-zirconia and La _{5/3} Sr _{1/3} NiO ₄ -YSZ sensing electrode. <i>Solid-State Electronics</i> , 2014, 95, 23-27.	1.4	15
17	The effects of Cu-content on Mg ₂ Cu _x Fe ₁₀ 3.5+x electrodes for YSZ-based mixed-potential type NH ₃ sensors. <i>Ceramics International</i> , 2016, 42, 9363-9370.	4.8	15
18	CO Response Characteristics of NiFe ₂ O ₄ Sensing Material at Elevated Temperature. <i>Journal of the Electrochemical Society</i> , 2019, 166, B956-B960.	2.9	14

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19	A potentiometric sensor based on SmMn ₂ O ₅ sensing electrode for methane detection. <i>Materials Chemistry and Physics</i> , 2020, 245, 122679.	4.0	14
20	LaNbO ₄ as an electrode material for mixed-potential CO gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130981.	7.8	14
21	Effects of Ni addition on the response of La ₂ CuO ₄ sensing electrode for NO sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 37-43.	7.8	5
22	Effect of Au-Modification of CeVO ₄ Sensing Electrode on NH ₃ Sensing Properties for Potentiometric Sensor. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027540.	2.9	5
23	Potentiometric Sensor Based on Chromium Vanadate Sensing Electrode for High Temperature Ammonia Detection. <i>Journal of the Electrochemical Society</i> , 2021, 168, 047510.	2.9	3
24	Low temperature sintering and microwave dielectric properties of Zr _{0.3} (Zn _{1/3} Nb _{2/3}) _{0.7} TiO ₄ ceramics doped with CuO-B ₂ O ₃ . <i>Journal of Electroceramics</i> , 2016, 36, 40-45.	2.0	1
25	Effects of WO ₃ electrode microstructure on NO ₂ -sensing properties for a potentiometric sensor. <i>Royal Society Open Science</i> , 2019, 6, 190526.	2.4	1
26	The effect of V ₂ O ₅ -WO ₃ -TiO ₂ electrode thickness on ammonia sensing properties for potentiometric sensor. <i>MATEC Web of Conferences</i> , 2018, 175, 01032.	0.2	0
27	Preparation of (La _{0.8} Sr _{0.2}) ₂ FeNiO _{6-δ} Nanopowder by Pechini Method and Its Sensitivity to NO ₂ . <i>MATEC Web of Conferences</i> , 2018, 175, 01034.	0.2	0