

Zijie Yang

List of Publications by Year in descending order

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papers

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218677

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#	ARTICLE	IF	CITATIONS
1	Self-Assembly 3D Porous Crumpled MXene Spheres as Efficient Gas and Pressure Sensing Material for Transient All-MXene Sensors. Nano-Micro Letters, 2022, 14, 56.	27.0	33
2	The Introduction of Defects in Ti_3C_2Tx and Ti_3C_2Tx -Assisted Reduction of Graphene Oxide for Highly Selective Detection of ppb-Level NO_2 . Advanced Functional Materials, 2022, .	14.9	21
3	The Introduction of Defects in Ti_3C_2Tx and Ti_3C_2Tx -Assisted Reduction of Graphene Oxide for Highly Selective Detection of ppb-Level NO_2 (Adv. Funct. Mater. 15/2022). Advanced Functional Materials, 2022, 32, .	14.9	2
4	Specificity improvement of the YSZ-based mixed potential gas sensor for acetone and hydrogen sulfide detection. Sensors and Actuators B: Chemical, 2021, 341, 129292.	7.8	15
5	Room temperature flexible NH_3 sensor based on polyaniline coated Rh-doped SnO_2 hollow nanotubes. Sensors and Actuators B: Chemical, 2021, 330, 129313.	7.8	48
6	Triethylamine sensing with a mixed potential sensor based on $Ce_{0.8}Gd_{0.2}O_{1.95}$ solid electrolyte and $La_{1-x}Sr_xMnO_3$ ($x = 0.1, 0.2, 0.3$) sensing electrodes. Sensors and Actuators B: Chemical, 2021, 327, 128830.	7.8	21
7	Flexible resistive NO_2 gas sensor of three-dimensional crumpled MXene Ti_3C_2Tx/ZnO spheres for room temperature application. Sensors and Actuators B: Chemical, 2021, 326, 128828.	7.8	199
8	The gas sensor utilizing polyaniline/ MoS_2 nanosheets/ SnO_2 nanotubes for the room temperature detection of ammonia. Sensors and Actuators B: Chemical, 2021, 332, 129444.	7.8	107
9	YSZ-based acetone sensor using a Cd_2SnO_4 sensing electrode for exhaled breath detection in medical diagnosis. Sensors and Actuators B: Chemical, 2021, 345, 130321.	7.8	30
10	Room-Temperature Mixed-Potential Type ppb-Level NO Sensors Based on K_2FeO_7 Electrolyte and Ni/Fe-MOF Sensing Electrodes. ACS Sensors, 2021, 6, 4435-4442.	7.8	16
11	YSZ-based solid electrolyte type sensor utilizing $ZnMoO_4$ sensing electrode for fast detection of ppb-level H_2S . Sensors and Actuators B: Chemical, 2020, 302, 127205.	7.8	23
12	Mixed potential type H_2S sensor based on stabilized zirconia and a Co_2SnO_4 sensing electrode for halitosis monitoring. Sensors and Actuators B: Chemical, 2020, 321, 128587.	7.8	23
13	Polyaniline @ porous nanosphere SnO_2/Zn_2SnO_4 nanohybrid for selective room temperature flexible NH_3 sensor. Sensors and Actuators B: Chemical, 2020, 317, 128218.	7.8	39
14	Room temperature gas sensor based on tin dioxide@ polyaniline nanocomposite assembled on flexible substrate: ppb-level detection of NH_3 . Sensors and Actuators B: Chemical, 2019, 299, 126970.	7.8	75
15	Solid state electrolyte type gas sensor using stabilized zirconia and $MTiO_3$ (M: Zn, Co and Ni)-SE for detection of low concentration of SO_2 . Sensors and Actuators B: Chemical, 2019, 296, 126644.	7.8	27
16	YSZ-based mixed-potential type highly sensitive acetylene sensor based on porous SnO_2/Zn_2SnO_4 as sensing electrode. Sensors and Actuators B: Chemical, 2019, 293, 166-172.	7.8	16
17	Improvement of Gas and Humidity Sensing Properties of Organ-like MXene by Alkaline Treatment. ACS Sensors, 2019, 4, 1261-1269.	7.8	232
18	Design and preparation of the WO_3 hollow spheres@ PANI conducting films for room temperature flexible NH_3 sensing device. Sensors and Actuators B: Chemical, 2019, 289, 252-259.	7.8	87

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19	High-response mixed-potential type planar YSZ-based NO ₂ sensor coupled with CoTiO ₃ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 185-190.	7.8	36
20	Highly selective and stable mixed-potential type gas sensor based on stabilized zirconia and Cd ₂ V ₂ O ₇ sensing electrode for NH ₃ detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 213-222.	7.8	45
21	The mixed potential type gas sensor based on stabilized zirconia and molybdate M ₂ MoO ₄ (M: Ni, Co and Tj) ETQq1 1 0.784314 rgBT / 0.430-437.	7.8	29
22	Self-Assembly Template Driven 3D Inverse Opal Microspheres Functionalized with Catalyst Nanoparticles Enabling a Highly Efficient Chemical Sensing Platform. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5835-5844.	8.0	67
23	High performance mixed-potential-type Zirconia-based NO ₂ sensor with self-organizing surface structures fabricated by low energy ion beam etching. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 445-451.	7.8	21
24	Highly sensitive and selective triethylamine gas sensor based on porous SnO ₂ /Zn ₂ SnO ₄ composites. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 213-220.	7.8	123
25	YSZ-based mixed potential H ₂ S sensor using La ₂ NiO ₄ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3033-3039.	7.8	32
26	The room temperature gas sensor based on Polyaniline@flower-like WO ₃ nanocomposites and flexible PET substrate for NH ₃ detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 505-513.	7.8	159
27	Nafion-based amperometric H ₂ S sensor using Pt-Rh/C sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 635-641.	7.8	30
28	Ultrafast-response stabilized zirconia-based mixed potential type triethylamine sensor utilizing CoMoO ₄ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 433-440.	7.8	24
29	Enhanced room temperature gas sensor based on Au-loaded mesoporous In ₂ O ₃ nanospheres@polyaniline core-shell nanohybrid assembled on flexible PET substrate for NH ₃ detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 526-533.	7.8	95
30	Room temperature high performance NH ₃ sensor based on GO-rambutan-like polyaniline hollow nanosphere hybrid assembled to flexible PET substrate. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 726-734.	7.8	63
31	Fabrication of well-ordered porous array mounted with gold nanoparticles and enhanced sensing properties for mixed potential-type zirconia-based NH ₃ sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1083-1091.	7.8	37
32	Stabilized zirconia-based mixed potential type sensors utilizing MnNb ₂ O ₆ sensing electrode for detection of low-concentration SO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1024-1031.	7.8	58
33	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.	7.8	35
34	High performance mixed potential type acetone sensor based on stabilized zirconia and NiNb ₂ O ₆ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 200-208.	7.8	56
35	YSZ-based NO ₂ sensor utilizing hierarchical In ₂ O ₃ electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 698-706.	7.8	40
36	Mixed-potential type NH ₃ sensor based on stabilized zirconia and Ni ₃ V ₂ O ₈ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 795-802.	7.8	96

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37	Mixed potential type acetone sensor using stabilized zirconia and M ₃ V ₂ O ₈ (M: Zn, Co and Ni) sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 673-680.	7.8	62