C Liewhiran

List of Publications by Year
in descending order

31	2,224	304602 22	434063 31
papers	citations	h-index	g-index

31	31	31	2616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective H2S gas sensors based on ohmic hetero-interface of Au-functionalized WO3 nanowires. Applied Surface Science, 2022, 571, 151262.	3.1	49
2	Effect of Er doping on flame-made SnO2 nanoparticles to ethylene oxide sensing. Sensors and Actuators B: Chemical, 2021, 328, 129022.	4.0	18
3	Flame-made Zn-substituted SnO2 nanoparticulate compound for ultra-sensitive formic acid gas sensing. Journal of Alloys and Compounds, 2021, 871, 159547.	2.8	25
4	Ultra-responsive and selective of formic acid sensors based on flame-made SnO2 nanoparticles loaded with core-shell Ir-IrO2 nanocatalysts. Sensors and Actuators B: Chemical, 2021, 340, 129973.	4.0	11
5	Selectivity towards acetylene gas of flame-spray-made Nb-substituted SnO2 particulate thick films. Sensors and Actuators B: Chemical, 2021, 349, 130808.	4.0	9
6	Synergistic Effects of PdO_xâ€“CuO_x Loadings on Methyl Mercaptan Sensing of Porous WO₃ Microspheres Prepared by Ultrasonic Spray Pyrolysis. ACS Applied Materials & Interfaces, 2020, 12, 41728-41739.	4.0	28
7	Chemophysical acetylene-sensing mechanisms of Sb₂O₃/NaWO₄-doped WO₃ heterointerfaces. Physical Chemistry Chemical Physics, 2020, 22, 20482-20498.	1.3	1
8	Single-Nozzle Flame Synthesis of Spinel Znâ„SnOâ„ Nanoparticles for Selective Detection of Formic Acid. IEEE Sensors Journal, 2020, 20, 6256-6262.	2.4	15
9	Formaldehyde sensor based on FSP-made AgOx-doped SnO2 nanoparticulate sensing films. Sensors and Actuators B: Chemical, 2020, 309, 127705.	4.0	22
10	Effect of AgO loading on flame-made LaFeO3 p-type semiconductor nanoparticles to acetylene sensing. Sensors and Actuators B: Chemical, 2020, 312, 127990.	4.0	35
11	Flame-spray-made PtOx-functionalized Zn2SnO4 spinel nanostructures for conductometric H2 detection. Sensors and Actuators B: Chemical, 2020, 316, 128132.	4.0	23
12	Highly selective and sensitive CH4 gas sensors based on flame-spray-made Cr-doped SnO2 particulate films. Sensors and Actuators B: Chemical, 2019, 291, 177-191.	4.0	66
13	Ultrafine Bi2WO6 nanoparticles prepared by flame spray pyrolysis for selective acetone gas-sensing. Materials Science in Semiconductor Processing, 2019, 90, 263-275.	1.9	35
14	Highly sensitive acetone sensors based on flame-spray-made La2O3-doped SnO2 nanoparticulate thick films. Sensors and Actuators B: Chemical, 2018, 262, 245-262.	4.0	40
15	Highly sensitive and selective detection of ethanol vapor using flame-spray-made CeOx-doped SnO2 nanoparticulate thick films. Sensors and Actuators B: Chemical, 2018, 255, 8-21.	4.0	38
16	Catalytic roles of Sm2O3 dopants on ethylene oxide sensing mechanisms of flame-made SnO2 nanoparticles. Applied Surface Science, 2018, 454, 30-45.	3.1	15
17	WO3 nanotubesâˆ'SnO2 nanoparticles heterointerfaces for ultrasensitive and selective NO2 detections. Applied Surface Science, 2018, 458, 319-332.	3.1	43
18	Highly sensitive and selective NO2 sensor based on Au-impregnated WO3 nanorods. Sensors and Actuators B: Chemical, 2017, 252, 523-536.	4.0	74

#	Article	IF	Citations
19	Printed organo-functionalized graphene for biosensing applications. Biosensors and Bioelectronics, 2017, 87, 7-17.	5.3	44
20	Highly-sensitive H2S sensors based on flame-made V-substituted SnO2 sensing films. Sensors and Actuators B: Chemical, 2017, 242, 1095-1107.	4.0	52
21	Ultra-sensitive and highly selective H2 sensors based on FSP-made Rh-substituted SnO2 sensing films. Sensors and Actuators B: Chemical, 2017, 240, 1141-1152.	4.0	56
22	Flame-spray-made Zn In O alloyed nanoparticles for NO2 gas sensing. Journal of Alloys and Compounds, 2016, 680, 711-721.	2.8	13
23	Role of molybdenum substitutional dopants on H2S-sensing enhancement of flame-spray-made SnO2 nanoparticulate thick films. Sensors and Actuators B: Chemical, 2016, 235, 678-690.	4.0	27
24	Ultra-responsive hydrogen gas sensors based on PdO nanoparticle-decorated WO3 nanorods synthesized by precipitation and impregnation methods. Sensors and Actuators B: Chemical, 2016, 226, 76-89.	4.0	75
25	Pt-doped In2O3 nanoparticles prepared by flame spray pyrolysis for NO2 sensing. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	24
26	Effects of cobalt doping on nitric oxide, acetone and ethanol sensing performances of FSP-made SnO2 nanoparticles. Sensors and Actuators B: Chemical, 2015, 210, 589-601.	4.0	62
27	Rapid ethanol sensor based on electrolytically-exfoliated graphene-loaded flame-made In-doped SnO2 composite film. Sensors and Actuators B: Chemical, 2015, 209, 40-55.	4.0	76
28	H2S sensor based on SnO2 nanostructured film prepared by high current heating. Sensors and Actuators B: Chemical, 2014, 203, 565-578.	4.0	46
29	Ultra-sensitive H2 sensors based on flame-spray-made Pd-loaded SnO2 sensing films. Sensors and Actuators B: Chemical, 2013, 176, 893-905.	4.0	99
30	Highly selective environmental sensors based on flame-spray-made SnO2 nanoparticles. Sensors and Actuators B: Chemical, 2012, 163, 51-60.	4.0	77
31	Semiconducting metal oxides as sensors for environmentally hazardous gases. Sensors and Actuators B: Chemical, 2011, 160, 580-591.	4.0	1,026