

Sachin T Navale

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,702
citations

331670

21
h-index

501196

28
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all docs

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docs citations

28
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel amine-functionalized zinc-based metal-organic framework for low-temperature chemiresistive hydrogen sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132120.	7.8	14
2	Design of flower-like V ₂ O ₅ hierarchical nanostructures by hydrothermal strategy for the selective and sensitive detection of xylene. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152378.	5.5	30
3	Room temperature solid-state synthesis of mesoporous BiOI nanoflakes for the application of chemiresistive gas sensors. <i>Materials Chemistry and Physics</i> , 2020, 241, 122293.	4.0	15
4	Integration of mesoporous ZnO and Au@ZnO nanospheres into sensing device for the ultrasensitive CH ₃ COCH ₃ detection down to ppb levels. <i>Applied Surface Science</i> , 2020, 518, 146223.	6.1	31
5	High-performance dual cavity-interferometric volatile gas sensor utilizing Graphene/PMMA nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127921.	7.8	21
6	Ethanol sensing behavior of Pd-nanoparticles decorated ZnO-nanorod based chemiresistive gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126850.	7.8	136
7	C ₂ H ₅ OH sensing properties of solid-state mediated BiOBr nanoplates. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 126987.	7.8	11
8	Hybrid polyaniline-WO ₃ flexible sensor: A room temperature competence towards NH ₃ gas. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 279-288.	7.8	135
9	Impact of electrolyte concentration on the supercapacitive properties of spray pyrolyzed CdO thin film electrode. <i>Solid State Ionics</i> , 2019, 334, 56-64.	2.7	17
10	Solid-state synthesis strategy of hierarchically-structured BiOCl desert-roses for the selective detection of C ₂ H ₅ OH. <i>Journal of Alloys and Compounds</i> , 2019, 778, 532-541.	5.5	19
11	Enhanced acetone sensing properties of titanium dioxide nanoparticles with a sub-ppm detection limit. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1701-1710.	7.8	110
12	Low-temperature wet chemical synthesis strategy of In ₂ O ₃ for selective detection of NO ₂ down to ppb levels. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2102-2110.	5.5	26
13	Nanostructured tin oxide films: Physical synthesis, characterization, and gas sensing properties. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 162-170.	9.4	49
14	Solution-processed rapid synthesis strategy of Co ₃ O ₄ for the sensitive and selective detection of H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 524-532.	7.8	71
15	Rapid synthesis strategy of CuO nanocubes for sensitive and selective detection of NO ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 708, 456-463.	5.5	62
16	Thermally evaporated copper oxide films: A view of annealing effect on physical and gas sensing properties. <i>Ceramics International</i> , 2017, 43, 7057-7064.	4.8	40
17	Zinc oxide hierarchical nanostructures as potential NO ₂ sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 551-563.	7.8	115
18	Flexible camphor sulfonic acid-doped PANi/Fe ₂ O ₃ nanocomposite films and their room temperature ammonia sensing activity. <i>Materials Chemistry and Physics</i> , 2017, 189, 191-197.	4.0	45

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19	Ethanol gas sensing properties of hydrothermally grown ZnO/MnO_2 nanorods. Journal of Alloys and Compounds, 2017, 727, 362-369.	5.5	54
20	Solution-processed nickel oxide films and their liquefied petroleum gas sensing activity. Journal of Alloys and Compounds, 2017, 695, 2008-2015.	5.5	41
21	Solid-state synthesis strategy of ZnO nanoparticles for the rapid detection of hazardous Cl_2 . Sensors and Actuators B: Chemical, 2017, 238, 1102-1110.	7.8	71
22	Hexamethylenetetramine-mediated TiO_2 films: Facile chemical synthesis strategy and their use in nitrogen dioxide detection. Materials Letters, 2016, 173, 9-12.	2.6	13
23	Novel route for fabrication of nanostructured $\text{ZnO}/\text{Fe}_2\text{O}_3$ gas sensor. Materials Science in Semiconductor Processing, 2014, 17, 67-73.	4.0	57
24	NO_2 sensing properties of nanostructured tungsten oxide thin films. Ceramics International, 2014, 40, 16495-16502.	4.8	79
25	Highly selective and sensitive room temperature NO_2 gas sensor based on polypyrrole thin films. Synthetic Metals, 2014, 189, 94-99.	3.9	150
26	Room temperature NO_2 sensing properties of polythiophene films. Synthetic Metals, 2014, 195, 228-233.	3.9	74
27	Nanostructured SnO_2 thin films for NO_2 gas sensing applications. Ceramics International, 2013, 39, 8673-8679.	4.8	76
28	Synthesis of Fe_2O_3 nanoparticles for nitrogen dioxide gas sensing applications. Ceramics International, 2013, 39, 6453-6460.	4.8	140