Chandra Shekhar Prajapati

List of Publications by Year
in descending order

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23	615	567281 15	752698 20
papers	citations	h-index	g-index

23	23	23	823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reduction of Humidity Effect in WO₃ Thin Filmâ€Based NO₂ Sensor Using Physiochemical Optimization. Crystal Research and Technology, 2021, 56, .	1.3	6
2	An ultralow power nanosensor array for selective detection of air pollutants. Nanotechnology, 2020, 31, 025301.	2.6	13
3	Effect of Film Thickness on H2S Sensing Characteristics of WO3-x Films. ECS Meeting Abstracts, 2020, MA2020-01, 2166-2166.	0.0	0
4	Chemiresistors and Their Microfabrication. Materials Horizons, 2020, , 71-94.	0.6	0
5	Highly Sensitive CO Sensor Based on Thicknessâ€Selective ZnO Thin Film: Device Fabrication and Packaging. Crystal Research and Technology, 2019, 54, 1800241.	1.3	7
6	Modification in the microstructural and electrochromic properties of spray-pyrolysed WO3 thin films upon Mo doping. Journal of Sol-Gel Science and Technology, 2019, 90, 281-295.	2.4	21
7	A baseline correction model for humidity and temperature compensation<subitle>WO₃ film based sensor for NO₂ detection. , 2019, , .		4
8	ppb level detection of NO₂ using a WO₃ thin film-based sensor: material optimization, device fabrication and packaging. RSC Advances, 2018, 8, 6590-6599.	3.6	40
9	Self-heating oxidized suspended Pt nanowire for high performance hydrogen sensor. Sensors and Actuators B: Chemical, 2018, 260, 236-242.	7.8	20
10	Supercapacitive performance of electrochemically synthesized nanocrystalline MnO2 films using different plating solutions: A comparative study. Journal of Alloys and Compounds, 2018, 749, 172-179.	5.5	10
11	Single Chip Gas Sensor Array for Air Quality Monitoring. Journal of Microelectromechanical Systems, 2017, 26, 433-439.	2.5	61
12	Honeycomb type ZnO nanostructures for sensitive and selective CO detection. Sensors and Actuators B: Chemical, 2017, 252, 764-772.	7.8	24
13	Tin-Incorporation Induced Changes in the Microstructural, Optical, and Electrical Behavior of Tungsten Oxide Nanocrystalline Thin Films Grown Via Spray Pyrolysis. Journal of Thermal Spray Technology, 2014, 23, 1445-1455.	3.1	19
14	Tailoring the Microstructural, Optical, and Electrical Properties of Nanocrystalline WO3 Thin Films Using Al Doping. Journal of Materials Engineering and Performance, 2014, 23, 3141-3151.	2.5	12
15	Optoelectronics and formaldehyde sensing properties of tin-doped ZnO thin films. Applied Physics A: Materials Science and Processing, 2013, 113, 651-662.	2.3	31
16	Influence of Fe doping on the structural, optical and acetone sensing properties of sprayed ZnO thin films. Materials Research Bulletin, 2013, 48, 2687-2695.	5.2	39
17	Experimental Investigation of Spray-Deposited Fe-Doped ZnO Nanoparticle Thin Films: Structural, Microstructural, and Optical Properties. Journal of Thermal Spray Technology, 2013, 22, 1230-1241.	3.1	28
18	Influence of In doping on the structural, optical and acetone sensing properties of ZnO nanoparticulate thin films. Materials Science in Semiconductor Processing, 2013, 16, 200-210.	4.0	55

#	Article	IF	Citations
19	Effect of Al dopants on the structural, optical and gas sensing properties of spray-deposited ZnO thin films. Materials Chemistry and Physics, 2013, 142, 276-285.	4.0	40
20	Effect of precursors on structure, optical and electrical properties of chemically deposited nanocrystalline ZnO thin films. Applied Surface Science, 2012, 258, 2823-2828.	6.1	31
21	Alcohol-sensing characteristics of spray deposited ZnO nano-particle thin films. Sensors and Actuators B: Chemical, 2011, 160, 1043-1049.	7.8	91
22	Growth, structure and optical characterization of Alâ€doped ZnO nanoparticle thin films. Crystal Research and Technology, 2011, 46, 1086-1092.	1.3	28
23	Sensing of LPG with nanostructured zinc oxide thin films grown by spray pyrolysis technique. Physica B: Condensed Matter, 2011, 406, 2684-2688.	2.7	35