

# Kampara Roopa Kishore

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

356  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive graphene oxide functionalized ZnO nanowires for ammonia vapour detection at ambient temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1064-1071.	7.8	65
2	Temperature dependent grain-size and microstrain of CdO thin films prepared by spray pyrolysis method. <i>Bulletin of Materials Science</i> , 2011, 34, 601-605.	1.7	58
3	Operating temperature dependent ethanol and formaldehyde detection of spray deposited mixed CdO and MnO <sub>2</sub> thin films. <i>RSC Advances</i> , 2015, 5, 43930-43940.	3.6	53
4	Improved sensing response of photo activated ZnO thin film for hydrogen peroxide detection. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 81-88.	9.4	38
5	Gold functionalized ZnO nanowires as a fast response/recovery ammonia sensor. <i>Applied Surface Science</i> , 2018, 449, 244-249.	6.1	28
6	CeO <sub>2</sub> thin film as a low-temperature formaldehyde sensor in mixed vapour environment. <i>Bulletin of Materials Science</i> , 2014, 37, 1293-1299.	1.7	23
7	Electronic Structure Calculations of Ammonia Adsorption on Graphene and Graphene Oxide with Epoxide and Hydroxyl Groups. <i>Journal of Electronic Materials</i> , 2017, 46, 5642-5656.	2.2	21
8	Electrospinning based CdO nanograins for formaldehyde vapour detection by chemiresistive method. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105296.	4.0	14
9	Dye-sensitized solar cell based on spray deposited ZnO thin film: Performance analysis through DFT approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 986-992.	3.9	11
10	Adsorption property of volatile molecules on ZnO nanowires: computational and experimental approach. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	11
11	Electrospun Co <sub>3</sub> O <sub>4</sub> nanoparticles and its methanol detection property. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 637-655.	3.1	10
12	CuO nanograins: synthesis and acetone vapour detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1204-1220.	2.2	5
13	CuO/ZnO Heterojunction Nanograins: Methanol Vapour Detection. <i>Journal of Electronic Materials</i> , 2021, 50, 2482-2495.	2.2	5
14	Formaldehyde vapour sensing property of electrospun NiO nanograins. <i>Frontiers of Materials Science</i> , 2021, 15, 416-430.	2.2	5
15	A DFT study on structural and electronic properties of Mn substituted CdO nanoclusters. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	3
16	Theoretical Investigation of H <sub>2</sub> Interactions on ZnO Cluster: DFT Approach. <i>International Journal of Nanoscience</i> , 2018, 17, 1760041.	0.7	3
17	High-Temperature Formaldehyde-Sensing of WO <sub>3</sub> Nanostructure Prepared by the SILAR Method: DFT Investigation of Gas Adsorption Properties. <i>Journal of Electronic Materials</i> , 2021, 50, 6307-6317.	2.2	3
18	Preparation, characterization and sensing properties of WO <sub>3</sub> -deposited over LED. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23457-23464.	2.2	0