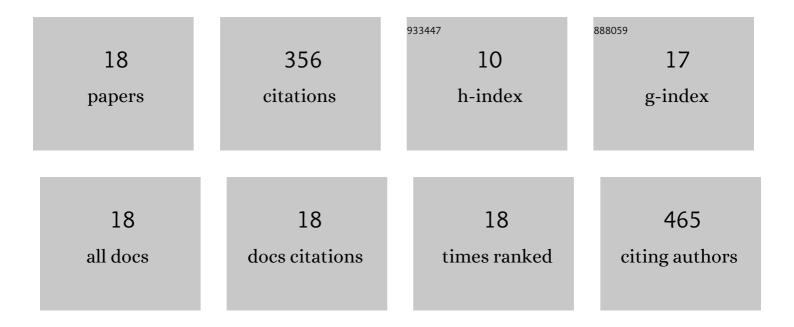
Kampara Roopa Kishore

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Highly sensitive graphene oxide functionalized ZnO nanowires for ammonia vapour detection at ambient temperature. Sensors and Actuators B: Chemical, 2018, 255, 1064-1071.	7.8	65
2	Temperature dependent grain-size and microstrain of CdO thin films prepared by spray pyrolysis method. Bulletin of Materials Science, 2011, 34, 601-605.	1.7	58
3	Operating temperature dependent ethanol and formaldehyde detection of spray deposited mixed CdO and MnO ₂ thin films. RSC Advances, 2015, 5, 43930-43940.	3.6	53
4	Improved sensing response of photo activated ZnO thin film for hydrogen peroxide detection. Journal of Colloid and Interface Science, 2016, 482, 81-88.	9.4	38
5	Gold functionalized ZnO nanowires as a fast response/recovery ammonia sensor. Applied Surface Science, 2018, 449, 244-249.	6.1	28
6	CeO2 thin film as a low-temperature formaldehyde sensor in mixed vapour environment. Bulletin of Materials Science, 2014, 37, 1293-1299.	1.7	23
7	Electronic Structure Calculations of Ammonia Adsorption on Graphene and Graphene Oxide with Epoxide and Hydroxyl Groups. Journal of Electronic Materials, 2017, 46, 5642-5656.	2.2	21
8	Electrospinning based CdO nanograins for formaldehyde vapour detection by chemiresistive method. Materials Science in Semiconductor Processing, 2021, 121, 105296.	4.0	14
9	Dye-sensitized solar cell based on spray deposited ZnO thin film: Performance analysis through DFT approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 986-992.	3.9	11
10	Adsorption property of volatile molecules on ZnO nanowires: computational and experimental approach. Bulletin of Materials Science, 2018, 41, 1.	1.7	11
11	Electrospun Co3O4 nanoparticles and its methanol detection property. Applied Nanoscience (Switzerland), 2021, 11, 637-655.	3.1	10
12	CuO nanograins: synthesis and acetone vapour detection. Journal of Materials Science: Materials in Electronics, 2021, 32, 1204-1220.	2.2	5
13	CuO/ZnO Heterojunction Nanograins: Methanol Vapour Detection. Journal of Electronic Materials, 2021, 50, 2482-2495.	2.2	5
14	Formaldehyde vapour sensing property of electrospun NiO nanograins. Frontiers of Materials Science, 2021, 15, 416-430.	2.2	5
15	A DFT study on structural and electronic properties of Mn substituted CdO nanoclusters. European Physical Journal D, 2014, 68, 1.	1.3	3
16	Theoretical Investigation of H ₂ Interactions on ZnO Cluster: DFT Approach. International Journal of Nanoscience, 2018, 17, 1760041.	0.7	3
17	High-Temperature Formaldehyde-Sensing of WO3 Nanostructure Prepared by the SILAR Method: DFT Investigation of Gas Adsorption Properties. Journal of Electronic Materials, 2021, 50, 6307-6317.	2.2	3
18	Preparation, characterization and sensing properties of WO3-deposited over LED. Journal of Materials Science: Materials in Electronics, 2021, 32, 23457-23464.	2.2	0