

# Sanhita Majumdar

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

402  
citations

933447

10  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective detection of carbon monoxide (CO) gas by reduced graphene oxide (rGO) at room temperature. RSC Advances, 2016, 6, 47337-47348.	3.6	89
2	Enhanced performance of CNT/SnO <sub>2</sub> thick film gas sensors towards hydrogen. Materials Chemistry and Physics, 2014, 147, 79-85.	4.0	69
3	Room temperature synthesis of nanocrystalline SnO through sonochemical route. Materials Letters, 2008, 62, 1249-1251.	2.6	41
4	The effects of crystallite size, surface area and morphology on the sensing properties of nanocrystalline SnO <sub>2</sub> based system. Ceramics International, 2015, 41, 14350-14358.	4.8	39
5	Enhanced gas sensing performance of tin dioxide-based nanoparticles for a wide range of concentrations of hydrogen gas. RSC Advances, 2014, 4, 18512.	3.6	27
6	Optical and electrical effects of thin reduced graphene oxide layers on textured wafer-based c-Si solar cells for enhanced performance. Journal of Materials Chemistry C, 2017, 5, 1920-1934.	5.5	19
7	Precursor dependent tailoring of morphology and bandgap of zinc oxide nanostructures. Journal of Materials Science: Materials in Electronics, 2017, 28, 10885-10892.	2.2	17
8	Outstanding Room-Temperature Hydrogen Gas Detection by Plasma-Assisted and Graphene-Functionalized Core-Shell Assembly of SnO <sub>2</sub> Nanoburflower. ACS Omega, 2019, 4, 11053-11065.	3.5	17
9	High butane sensitivity and selectivity exhibited by combustion synthesized SnO <sub>2</sub> nanoparticles. Materials Research Bulletin, 2015, 65, 216-223.	5.2	12
10	Light-Harvesting Properties of Embedded Tin Oxide Nanoparticles for Partial Rear Contact Silicon Solar Cells. Plasmonics, 2017, 12, 1761-1772.	3.4	12
11	Synthesis of SnO <sub>2</sub> Nanoparticles Using Ultrasonication. , 2010, , .		9
12	Development of graphene capped silicon-silicon oxide core-shell nano-structure: Charge trapping characteristics at the interfaces. Applied Materials Today, 2018, 13, 370-380.	4.3	9
13	Effect of palladium on gas sensing properties of Sn(Sb <sub>2</sub> O <sub>3</sub> ) <sub>2</sub> nanoparticles synthesized by sonochemical processing at room temperature. Applied Surface Science, 2016, 376, 290-297.	6.1	7
14	Metal Impregnated Silica-Carbon Materials from Rice Husk: A Versatile Sorbent for Toxic Organics and Inorganics in Water and Air. Clean - Soil, Air, Water, 2013, 41, 291-297.	1.1	6
15	Precursor Dependent Morphologies of Microwave Assisted ZnO Nanostructures and their VOC Detection Properties. Materials Today: Proceedings, 2018, 5, 9831-9838.	1.8	6
16	Synergistic Effects of Dual-Metal Catalysts for Selective Butane Detection by SnO <sub>2</sub> /Graphene Nanocomposite Sensor. IEEE Sensors Journal, 2018, 18, 6517-6526.	4.7	6
17	Application of Hybrid rGO-ITO Bilayer TCO on a-Si Solar Cell for Performance Enhancement. IEEE Journal of Photovoltaics, 2019, 9, 12-17.	2.5	5
18	Switching of selectivity from sulfur dioxide to butane: The role of V <sub>2</sub> O <sub>5</sub> concentration in nanostructured SnO <sub>2</sub> sensors. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Methane Sensitivity of Alpha-Fe <sub>2</sub> O <sub>3</sub> Obtained from Pechini Combustion Synthesis using Different Organic Fuels. <i>Journal of Electronic Materials</i> , 2021, 50, 3537-3545.	2.2	4
20	Performance Enhancement of Solar Cell by Incorporating Bilayer RGO-ITO Smart Conducting Antireflection Coating. <i>Global Challenges</i> , 2019, 3, 1800109.	3.6	3
21	Piezoelectricity in Amine Functionalized Reduced Graphene Oxide. <i>Materials Today: Proceedings</i> , 2018, 5, 9876-9880.	1.8	1