Navpreet Kaur

List of Publications by Year
in descending order

20	943	686830 13	752256 20
papers	citations	h-index	g-index

21	21	21	1181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	â€œMetal oxide -based heterostructures for gas sensorsâ€• A review. Analytica Chimica Acta, 2018, 1039, 1-23.	2.6	270
2	The role of self-assembled monolayers in electronic devices. Journal of Materials Chemistry C, 2020, 8, 3938-3955.	2.7	127
3	Branch-like NiO/ZnO heterostructures for VOC sensing. Sensors and Actuators B: Chemical, 2018, 262, 477-485.	4.0	110
4	One-Dimensional Nanostructured Oxide Chemoresistive Sensors. Langmuir, 2020, 36, 6326-6344.	1.6	87
5	Toward Optimized Radial Modulation of the Space-Charge Region in One-Dimensional SnO₂â€“NiO Coreâ€“Shell Nanowires for Hydrogen Sensing. ACS Applied Materials & Interfaces, 2020, 12, 4594-4606.	4.0	55
6	SAM Functionalized ZnO Nanowires for Selective Acetone Detection: Optimized Surface Specific Interaction Using APTMS and GLYMO Monolayers. Advanced Functional Materials, 2020, 30, 2003217.	7.8	46
7	1D Titanium Dioxide: Achievements in Chemical Sensing. Materials, 2020, 13, 2974.	1.3	33
8	Novel Christmas Branched Like NiO/NiWO₄/WO₃ (pâ€“pâ€“n) Nanowire Heterostructures for Chemical Sensing. Advanced Functional Materials, 2021, 31, 2104416.	7.8	32
9	Metal oxide nanostructures: preparation, characterization and functional applications as chemical sensors. Beilstein Journal of Nanotechnology, 2017, 8, 1205-1217.	1.5	29
10	Integration of VLS-Grown WO₃ Nanowires into Sensing Devices for the Detection of H₂S and O₃. ACS Omega, 2019, 4, 16336-16343.	1.6	28
11	One Dimensional ZnO Nanostructures: Growth and Chemical Sensing Performances. Nanomaterials, 2020, 10, 1940.	1.9	27
12	Metal Oxide Nanowire Preparation and Their Integration into Chemical Sensing Devices at the SENSOR Lab in Brescia. Sensors, 2017, 17, 1000.	2.1	21
13	Shelf Life Study of NiO Nanowire Sensors for NO2 Detection. Electronic Materials Letters, 2019, 15, 743-749.	1.0	14
14	Nickel Oxide Nanowires Growth by VLS Technique for Gas Sensing Application. Procedia Engineering, 2015, 120, 760-763.	1.2	13
15	UV-Enhanced Humidity Sensing of Chitosanâ€“SnO2 Hybrid Nanowires. Nanomaterials, 2020, 10, 329.	1.9	13
16	Methyl (â€“CH₃)-terminated ZnO nanowires for selective acetone detection: a novel approach toward sensing performance enhancement via self-assembled monolayer. Journal of Materials Chemistry A, 2022, 10, 3178-3189.	5.2	9
17	Materials Engineering Strategies to Control Metal Oxides Nanowires Sensing Properties. Advanced Materials Interfaces, 2022, 9, .	1.9	9
18	NiO/ZnO Nanowire-heterostructures by Vapor Phase Growth for Gas Sensing. Procedia Engineering, 2016, 168, 1140-1143.	1.2	7

#	Article	IF	Citations
19	Chemical Gas Sensors Studied at SENSOR Lab, Brescia (Italy): From Conventional to Energy-Efficient and Biocompatible Composite Structures. Sensors, 2020, 20, 579.	2.1	7
20	SnO₂â€“SiO₂ 1D Coreâ€“Shell Nanowires Heterostructures for Selective Hydrogen Sensing. Advanced Materials Interfaces, 2021, 8, 2100939.	1.9	6