

Hctor Guilln-Bonilla

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

207
citations

10
h-index

14
g-index

23
ext. papers

253
ext. citations

3
avg, IF

2.71
L-index

#	Paper	IF	Citations
21	Synthesis, characterization, and sensitivity tests of a novel sensor based on barium antimonate powders. <i>Materials Today Communications</i> , 2022 , 31, 103579	2.5	1
20	Preparation of Powders Containing Sb, Ni, and O for the Design of a Novel CO and C ₃ H ₈ Sensor. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9536	2.6	0
19	Electrical Response of the Spinel ZnAl ₂ O ₄ and Its Application in the Detection of Propane Gas. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9488	2.6	0
18	A Gas Sensor for Application as a Propane Leak Detector. <i>Journal of Sensors</i> , 2021 , 2021, 1-11	2	2
17	Synthesis of ZnAlO and Evaluation of the Response in Propane Atmospheres of Pellets and Thick Films Manufactured with Powders of the Oxide. <i>Sensors</i> , 2021 , 21,	3.8	4
16	Synthesis of MnSb ₂ O ₆ powders through a simple low-temperature method and their test as a gas sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7359-7372	2.1	6
15	Synthesis and characterization of nickel antimonate nanoparticles: sensing properties in propane and carbon monoxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6166-6177	2.1	6
14	A simple route for the preparation of nanostructured GdCoO ₃ via the solution method, as well as its characterization and its response to certain gases. <i>Results in Physics</i> , 2019 , 12, 475-483	3.7	12
13	Synthesis and characterization of cobalt antimonate nanostructures and their study as potential CO and CO ₂ sensor at low temperatures. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 15632-15642	2.1	7
12	Synthesis of ZnMnO Nanoparticles by a Microwave-Assisted Colloidal Method and their Evaluation as a Gas Sensor of Propane and Carbon Monoxide. <i>Sensors</i> , 2018 , 18,	3.8	28
11	Sensitivity Tests of Pellets Made from Manganese Antimonate Nanoparticles in Carbon Monoxide and Propane Atmospheres. <i>Sensors</i> , 2018 , 18,	3.8	13
10	Facile Synthesis, Microstructure, and Gas Sensing Properties of NdCoO ₃ Nanoparticles. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-10	3.2	8
9	Gas Sensing Properties of NiSb ₂ O ₆ Micro- and Nanoparticles in Propane and Carbon Monoxide Atmospheres. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-9	3.2	17
8	A Novel Gas Sensor Based on MgSb ₂ O ₆ Nanorods to Indicate Variations in Carbon Monoxide and Propane Concentrations. <i>Sensors</i> , 2016 , 16, 177	3.8	24
7	Synthesis, Characterization, and Sensor Applications of Spinel ZnCoO Nanoparticles. <i>Sensors</i> , 2016 , 16,	3.8	18
6	Sensitivity of Mesoporous CoSb ₂ O ₆ Nanoparticles to Gaseous CO and C ₃ H ₈ at Low Temperatures. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	15
5	CO and C ₃ H ₈ Sensitivity Behavior of Zinc Antimonate Prepared by a Microwave-Assisted Solution Method. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	10

4	Dynamic response of CoSb ₂ O ₆ trirutile-type oxides in a CO ₂ atmosphere at low-temperatures. <i>Sensors</i> , 2014 , 14, 15802-14	3.8	19
3	CO ₂ Response of Nanostructured CoSb ₂ O ₆ Synthesized by a Nonaqueous Coprecipitation Method 2010 , 39-53		
2	CO ₂ Detection in Nanostructured CoSb ₂ O ₆ Prepared by a Non-aqueous Colloidal Method. <i>ECS Transactions</i> , 2009 , 25, 49-51	1	3
1	Synthesis and gas sensing properties of nanostructured CoSb ₂ O ₆ microspheres. <i>Sensors and Actuators B: Chemical</i> , 2009 , 143, 278-285	8.5	14