Hctor Guilln-Bonilla

List of Publications by Citations

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 of ZnMn□□Nanoparticles by a Microwave-Assisted Colloidal Method and their Evaluation as a Gas Sensor of Propane and Carbon Monoxide. *Sensors*, **2018**, 18,	3.8	28
20	A Novel Gas Sensor Based on MgSb2O6 Nanorods to Indicate Variations in Carbon Monoxide and Propane Concentrations. *Sensors*, **2016**, 16, 177	3.8	24
19	Dynamic response of CoSb2O6 trirutile-type oxides in a CO2 atmosphere at low-temperatures. *Sensors*, **2014**, 14, 15802-14	3.8	19
18	Synthesis, Characterization, and Sensor Applications of Spinel ZnCo□□Nanoparticles. *Sensors*, **2016**, 16,	3.8	18
17	Gas Sensing Properties of NiSb2O6 Micro- and Nanoparticles in Propane and Carbon Monoxide Atmospheres. *Journal of Nanomaterials*, **2017**, 2017, 1-9	3.2	17
16	Sensitivity of Mesoporous CoSb2O6Nanoparticles to Gaseous CO and C3H8at Low Temperatures. *Journal of Nanomaterials*, **2015**, 2015, 1-9	3.2	15
15	Synthesis and gas sensing properties of nanostructured CoSb2O6 microspheres. *Sensors and Actuators B: Chemical*, **2009**, 143, 278-285	8.5	14
14	Sensitivity Tests of Pellets Made from Manganese Antimonate Nanoparticles in Carbon Monoxide and Propane Atmospheres. *Sensors*, **2018**, 18,	3.8	13
13	A simple route for the preparation of nanostructured GdCoO3 via the solution method, as well as its characterization and its response to certain gases. *Results in Physics*, **2019**, 12, 475-483	3.7	12
12	CO and C3H8Sensitivity Behavior of Zinc Antimonate Prepared by a Microwave-Assisted Solution Method. *Journal of Nanomaterials*, **2015**, 2015, 1-8	3.2	10
11	Facile Synthesis, Microstructure, and Gas Sensing Properties of NdCoO3 Nanoparticles. *Journal of Nanomaterials*, **2017**, 2017, 1-10	3.2	8
10	Synthesis and characterization of cobalt antimonate nanostructures and their study as potential CO and CO2 sensor at low temperatures. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 15632-15642	2.1	7
9	Synthesis and characterization of nickel antimonate nanoparticles: sensing properties in propane and carbon monoxide. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 6166-6177	2.1	6
8	Synthesis of MnSb2O6 powders through a simple low-temperature method and their test as a gas sensor. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 7359-7372	2.1	6
7	Synthesis of ZnAlO and Evaluation of the Response in Propane Atmospheres of Pellets and Thick Films Manufactured with Powders of the Oxide. *Sensors*, **2021**, 21,	3.8	4
6	CO2 Detection in Nanostructured CoSb2O6 Prepared by a Non-aqueous Colloidal Method. *ECS Transactions*, **2009**, 25, 49-51	1	3
5	A Gas Sensor for Application as a Propane Leak Detector. *Journal of Sensors*, **2021**, 2021, 1-11	2	2

List of Publications

4	Synthesis, characterization, and sensitivity tests of a novel sensor based on barium antimonate powders. *Materials Today Communications*, **2022**, 31, 103579	2.5	1
3	Preparation of Powders Containing Sb, Ni, and O for the Design of a Novel CO and C3H8 Sensor. *Applied Sciences (Switzerland)*, **2021**, 11, 9536	2.6	0
2	Electrical Response of the Spinel ZnAl2O4 and Its Application in the Detection of Propane Gas. *Applied Sciences (Switzerland)*, **2021**, 11, 9488	2.6	0
1	CO2 Response of Nanostructured CoSb2O6 Synthesized by a Nonaqueous Coprecipitation Method **2010**, 39-53		