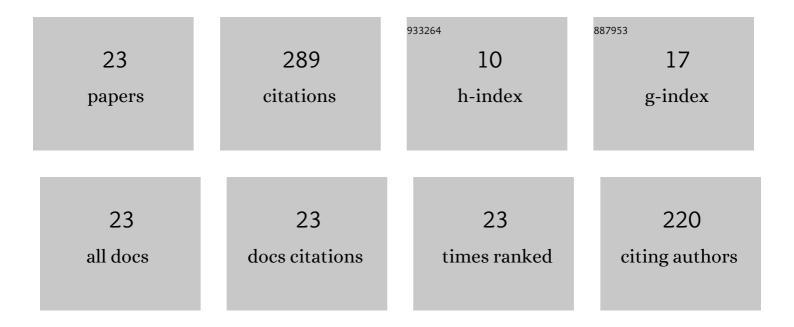
Héctor Guillén-Bonilla

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Synthesis of ZnMn2O4 Nanoparticles by a Microwave-Assisted Colloidal Method and their Evaluation as a Gas Sensor of Propane and Carbon Monoxide. Sensors, 2018, 18, 701.	2.1	43
2	A Novel Gas Sensor Based on MgSb2O6 Nanorods to Indicate Variations in Carbon Monoxide and Propane Concentrations. Sensors, 2016, 16, 177.	2.1	30
3	Synthesis, Characterization, and Sensor Applications of Spinel ZnCo2O4 Nanoparticles. Sensors, 2016, 16, 2162.	2.1	26
4	Dynamic Response of CoSb2O6 Trirutile-Type Oxides in a CO2 Atmosphere at Low-Temperatures. Sensors, 2014, 14, 15802-15814.	2.1	23
5	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.	2.0	20
6	Sensitivity Tests of Pellets Made from Manganese Antimonate Nanoparticles in Carbon Monoxide and Propane Atmospheres. Sensors, 2018, 18, 2299.	2.1	19
7	Gas Sensing Properties of NiSb ₂ O ₆ Micro- and Nanoparticles in Propane and Carbon Monoxide Atmospheres. Journal of Nanomaterials, 2017, 2017, 1-9.	1.5	18
8	Synthesis and gas sensing properties of nanostructured CoSb2O6 microspheres. Sensors and Actuators B: Chemical, 2009, 143, 278-285.	4.0	17
9	Sensitivity of Mesoporous CoSb ₂ O ₆ Nanoparticles to Gaseous CO and C ₃ H ₈ at Low Temperatures. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	17
10	CO and C ₃ H ₈ Sensitivity Behavior of Zinc Antimonate Prepared by a Microwave-Assisted Solution Method. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	11
11	Facile Synthesis, Microstructure, and Gas Sensing Properties of NdCoO ₃ Nanoparticles. Journal of Nanomaterials, 2017, 2017, 1-10.	1.5	10
12	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.	1.1	10
13	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.	1.1	10
14	Synthesis of ZnAl2O4 and Evaluation of the Response in Propane Atmospheres of Pellets and Thick Films Manufactured with Powders of the Oxide. Sensors, 2021, 21, 2362.	2.1	10
15	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.	1.1	9
16	A Gas Sensor for Application as a Propane Leak Detector. Journal of Sensors, 2021, 2021, 1-11.	0.6	5
17	CO ₂ Detection in Nanostructured CoSb ₂ O ₆ Prepared by a Non-aqueous Colloidal Method. ECS Transactions, 2010, 25, 49-51.	0.3	3
18	Preparation of Powders Containing Sb, Ni, and O for the Design of a Novel CO and C3H8 Sensor. Applied Sciences (Switzerland), 2021, 11, 9536.	1.3	2

#	Article	IF	CITATIONS
19	Electrical Response of the Spinel ZnAl2O4 and Its Application in the Detection of Propane Gas. Applied Sciences (Switzerland), 2021, 11, 9488.	1.3	2
20	Synthesis, characterization, and sensitivity tests of a novel sensor based on barium antimonate powders. Materials Today Communications, 2022, 31, 103579.	0.9	2
21	Synthesis of the oxide NiSb2O6 and its electrical characterization in toxic atmospheres for its application as a gas sensor. Journal of Materials Science: Materials in Electronics, 2022, 33, 18268-18283.	1.1	2
22	CO2 Response of Nanostructured CoSb2O6 Synthesized by a Nonaqueous Coprecipitation Method. , 2010, , 39-53.		0
23	Synthesis Characterization of Nanostructured ZnCo2O4 with High Sensitivity to CO Gas. , 2017, , .		0