

Carlos R Michel

List of Publications by Year in descending order

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35
papers

673
citations

516710

16
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ and O ₂ sensing behavior of nanostructured barium-doped SmCoO ₃ . <i>Materials Letters</i> , 2006, 60, 1613-1616.	2.6	67
2	Gas sensing properties of Nd ₂ O ₃ nanostructured microspheres. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 8-14.	7.8	50
3	CO sensor based on thick films of 3D hierarchical CeO ₂ architectures. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 177-184.	7.8	50
4	Carbon dioxide gas sensing behavior of nanostructured GdCoO ₃ prepared by a solution-polymerization method. <i>Journal of Alloys and Compounds</i> , 2009, 484, 605-611.	5.5	48
5	Novel CO ₂ and CO gas sensor based on nanostructured Sm ₂ O ₃ hollow microspheres. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 1220-1228.	7.8	47
6	Gas sensing properties of nanostructured bismuth oxychloride. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 271-277.	7.8	44
7	CO sensing properties of novel nanostructured La ₂ O ₃ microspheres. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 355-362.	7.8	33
8	Î±-Ga ₂ O ₃ as a Photocatalyst in the Degradation of Malachite Green. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q3180-Q3186.	1.8	33
9	CO ₂ and CO gas sensing properties of nanostructured BiOCl ribbons doped with gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 100-105.	7.8	29
10	CO and CO ₂ gas sensing properties of mesoporous CoAl ₂ O ₄ . <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 635-641.	7.8	28
11	Gas sensing properties of Gd ₂ O ₃ microspheres prepared in aqueous media containing pectin. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 390-396.	7.8	26
12	Simple Route to Obtain Nanostructured CeO ₂ Microspheres and CO Gas Sensing Performance. <i>Nanoscale Research Letters</i> , 2017, 12, 169.	5.7	19
13	Gas sensing response of nanostructured trirutile-type CoSb ₂ O ₆ synthesized by solution-polymerization method. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 45-51.	7.8	18
14	Gas selectivity of nanostructured ZnSb ₂ O ₆ synthesized by a colloidal method. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 686-690.	7.8	18
15	Improvement of the gas sensing response of nanostructured LaCoO ₃ by the addition of Ag nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 181-189.	7.8	18
16	Synthesis and gas sensing properties of nanostructured CoSb ₂ O ₆ microspheres. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 278-285.	7.8	17
17	Effect of the frequency on the gas sensing response of CoSb ₂ O ₆ prepared by a colloidal method. <i>Sensors and Actuators B: Chemical</i> , 2009, 140, 149-154.	7.8	15
18	Improvement of the gas sensing behavior in nanostructured Gd _{0.9} Sr _{0.1} CoO ₃ by addition of silver. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 141, 1-7.	3.5	14

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19	Evidence of improvement in gas sensing properties of nanostructured bismuth cobaltite prepared by solution-polymerization method. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 389-395.	7.8	14
20	Novel UV Sensing and Photocatalytic Properties of DyCoO ₃ . <i>Journal of Sensors</i> , 2019, 2019, 1-12.	1.1	12
21	Novel UV sensing and photocatalytic properties of nanostructured LiCoO ₂ prepared by the coprecipitation method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112842.	3.9	12
22	CO ₂ gas sensing response of YPO ₄ nanobelts produced by a colloidal method. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 499-506.	7.8	10
23	Grain-size effects on gas response in nanostructured Gd _{0.9} Ba _{0.1} CoO ₃ . <i>Talanta</i> , 2007, 74, 235-240.	5.5	9
24	Ultraviolet Detection and Photocatalytic Activity of Nanostructured LaCoO ₃ Prepared by Solution-Polymerization. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q9-Q14.	1.8	8
25	Effect of the Preparation Method on the Gas Sensing Properties of Nanostructured CoAl ₂ O ₄ . <i>Journal of the Electrochemical Society</i> , 2008, 155, J263.	2.9	7
26	Response to environmental gases of BaCoO ₃ nanowires prepared by a microwave-assisted colloidal method. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 39-46.	7.8	7
27	Photocatalytic performance of ¹²⁵ I ² -Ga ₂ O ₃ microcubes towards efficient degradation of malachite green. <i>Ceramics International</i> , 2022, 48, 9746-9752.	4.8	7
28	CO ₂ and CO Gas Sensing Properties of Submicron CoSb ₂ O ₆ Wires Prepared by a Colloidal Method. <i>Sensor Letters</i> , 2012, 10, 8-13.	0.4	4
29	CO ₂ Detection in Nanostructured CoSb ₂ O ₆ Prepared by a Non-aqueous Colloidal Method. <i>ECS Transactions</i> , 2010, 25, 49-51.	0.5	3
30	Gas Sensing Response in Nanostructured CoAl ₂ O ₄ Spinel Prepared by Soft-Chemistry Methods. <i>ECS Transactions</i> , 2008, 11, 1-5.	0.5	2
31	Development of a UV-visible-NIR sensor based on LiNiO ₂ prepared by the coprecipitation method. <i>Sensors and Actuators A: Physical</i> , 2021, 321, 112429.	4.1	2
32	New photosensing properties of nanostructured GdCoO ₃ in the ultraviolet (A)-visible-near infrared range. <i>Optical Materials</i> , 2022, 124, 111968.	3.6	2
33	CO ₂ Response of Nanostructured CoSb ₂ O ₆ Synthesized by a Nonaqueous Coprecipitation Method. , 2010, , 39-53.		0
34	Gas Sensing Properties of Co ₃ O ₄ -Doped Bismuth Oxychloride Nanowires and Nanoribbons. <i>ECS Transactions</i> , 2010, 33, 149-151.	0.5	0
35	Novel CO and CO ₂ Sensor Based on Nanostructured Dy ₂ O ₃ Microspheres Synthesized by the Coprecipitation Method. <i>Materials Horizons</i> , 2020, , 95-116.	0.6	0