

Mayra Paulina Hernandez

List of Publications by Year in descending order

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24
papers

212
citations

1307543

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996954

15
g-index

24
all docs

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docs citations

24
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of mechanochemically synthesized imidazoles of Ag ⁺ , Zn ²⁺ , Cd ²⁺ , and Hg ²⁺ : Solid state reactivity of nd10 cations. Journal of Physics and Chemistry of Solids, 2006, 67, 1612-1617.	4.0	45
2	CeO ₂ thin films by flash evaporation. Solid State Ionics, 1997, 96, 89-93.	2.7	32
3	3-mercaptopropionic acid surface modification of Cu-doped ZnO nanoparticles: Their properties and peroxidase conjugation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 351-359.	4.7	28
4	Barrier height determination in homogeneous nonideal Schottky contacts. Journal Physics D: Applied Physics, 2001, 34, 1157-1161.	2.8	26
5	Reaction of imidazole in gas phase at very low pressure with Cu foil and Cu oxides studied by X-ray photoelectron spectroscopy. Surface and Interface Analysis, 2007, 39, 434-437.	1.8	17
6	Growth and characterization of polycrystalline Ge _{1-x} C _x by reactive pulsed laser deposition. Applied Surface Science, 2011, 257, 5007-5011.	6.1	11
7	Sulfur dimers adsorbed on Au(111) as building blocks for sulfur octomers formation: A density functional study. Journal of Chemical Physics, 2014, 141, 044713.	3.0	7
8	Study of sulfur adlayers on Au(1 1 1) from basic hydrolysis of piperazine bis(dithiocarbamate) sodium salt. Applied Surface Science, 2015, 345, 394-399.	6.1	7
9	On the state of Mn in Mn _x Zn _{1-x} O nanoparticles and their surface modification with isonipecotic acid. Journal of Solid State Chemistry, 2017, 247, 43-52.	2.9	7
10	Optoelectronic properties of polycrystalline CdInTe films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 3433-3436.	2.1	6
11	A scanning tunneling microscopy investigation of the phases formed by the sulfur adsorption on Au(100) from an alkaline solution of 1,4-piperazine(bis)-dithiocarbamate of potassium. Applied Surface Science, 2014, 320, 287-293.	6.1	6
12	Density functional theory simulation of the adsorption of sulphur multilayers on Au(100). Physical Chemistry Chemical Physics, 2016, 18, 29987-29998.	2.8	4
13	Extraction of Parameters of Homogeneous Nonideal Schottky Contacts Using I-V Measurements. Physica Status Solidi (B): Basic Research, 2000, 220, 789-792.	1.5	3
14	Determination of the barrier-height fluctuations based on the parallel-noninteracting diode model. Applied Physics Letters, 2002, 80, 3751-3753.	3.3	3
15	Surface effects in Cu _{0.64} Zn _{0.36} alloy produced by CO ₂ laser treatment. Materials Letters, 2005, 59, 3909-3912.	2.6	3
16	Barrier Height Behavior for In/CdTe Polycrystalline Junction. Physica Status Solidi (B): Basic Research, 2000, 220, 209-213.	1.5	2
17	Effect of Co-Doping on the Structural, Electronic and Magnetic Properties of Co _x Zn _{1-x} O Nanoparticles. Materials Focus, 2017, 6, 371-381.	0.4	2
18	Determination of Particle Size Distribution on Aerosols and Suspensions by Ultraviolet-Visible-Near Infrared Absorbance Measurements. A New Procedure for Absorbing Particles. Physica Status Solidi (B): Basic Research, 2000, 220, 583-586.	1.5	1

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19	Compounds of the CdTe-In ₂ Te ₃ system in CdTe-In film grown by the close-spaced vapor transport technique combined with free evaporation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 435-437.	2.1	1
20	AlGe ALLOY COMPOSITION CALCULATED BY AUGER ELECTRON SPECTROSCOPY. Surface Review and Letters, 2002, 09, 1709-1713.	1.1	1
21	Influence of the Angular Light Scattering Measurement Uncertainty on the Particle-Size Distribution. Solid State Phenomena, 2007, 121-123, 909-912.	0.3	0
22	Design and construction of the automated scatterometer for particle sizing. Proceedings of SPIE, 2011, , .	0.8	0
23	From the Terrace Contraction to the Hexameric Sulfur Phase in the Au(100) Surface: A Combined Density Functional Theory and Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2019, 123, 12183-12194.	3.1	0
24	4-Piperidinecarboxylic Acid-Functionalized Ni _x Zn _{1-x} O Nanoparticles: Structural, Electronic and Optical Properties. Materials Focus, 2017, 6, 641-651.	0.4	0