

# Vm Bermudez

## List of Publications by Year in descending order

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23  
papers

708  
citations

623734

14  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

611  
citing authors

#	ARTICLE	IF	CITATIONS
1	The dependence of the structure and electronic properties of wurtzite GaN surfaces on the method of preparation. Applied Surface Science, 1998, 126, 69-82.	6.1	152
2	Adsorption and co-adsorption of boron and oxygen on ordered $\sqrt{3}\times\sqrt{3}$ -SiC surfaces. Applied Surface Science, 1995, 84, 45-63.	6.1	70
3	Chemisorption of H <sub>2</sub> O on GaN(0001). Surface Science, 2000, 450, 98-105.	1.9	69
4	The fundamental surface science of wurtzite gallium nitride. Surface Science Reports, 2017, 72, 147-315.	7.2	58
5	Theoretical study of hydrogen adsorption on the GaN(0001) surface. Surface Science, 2004, 565, 89-102.	1.9	43
6	Preparation and properties of clean Si <sub>3</sub> N <sub>4</sub> surfaces. Applied Surface Science, 2004, 235, 406-419.	6.1	39
7	Chemisorption of NH <sub>3</sub> on GaN(0001)-(1 $\bar{1}$ -1). Chemical Physics Letters, 2000, 317, 290-295.	2.6	37
8	Theoretical study of the electronic structure of the Si <sub>3</sub> N <sub>4</sub> (0 0 0 1) surface. Surface Science, 2005, 579, 11-20.	1.9	34
9	Infrared reflection absorption spectroscopy of adsorbates on semiconductors with buried metal layers $\text{O}_2/\text{GaAs}$ . Surface Science, 1991, 248, 201-206.	1.9	28
10	Investigation of the initial chemisorption and reaction of fluorine (XeF <sub>2</sub> ) with the GaN(0001)-(1 $\bar{1}$ -1) surface. Applied Surface Science, 1997, 119, 147-159.	6.1	28
11	Functionalizing the GaN(0001)-(1 $\bar{1}$ -1) surface I. The chemisorption of aniline. Surface Science, 2002, 499, 109-123.	1.9	24
12	Functionalizing the GaN(0001)-(1 $\bar{1}$ -1) surface II. Chemisorption of 3-pyrroline. Surface Science, 2002, 499, 124-134.	1.9	20
13	Study of the growth of thin Mg films on wurtzite GaN surfaces. Surface Science, 1998, 417, 30-40.	1.9	18
14	Adsorption and photodissociation of 4-haloanilines on GaN(0001). Surface Science, 2002, 519, 173-184.	1.9	16
15	Infrared reflection absorption Spectroscopy study of the chemisorption of small molecules (H <sub>2</sub> , O <sub>2</sub> ) on GaN(0001) surface. Surface Science, 2002, 519, 173-184.	1.9	16
16	Study of adsorption on radiation-damaged CaF <sub>2</sub> (111) surfaces. Applied Surface Science, 2000, 161, 227-239.	6.1	11
17	Growth, structure and oxidation of ordered silicon layers on nickel (001). Surface Science, 1990, 230, L155-L161.	1.9	10
18	Study of the initial adsorption of nitrogen on SiC(100)-(2 $\bar{1}$ -1). Surface Science, 1992, 276, 59-68.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Characterization of a Zr M <sub>1</sub> (h <sup>1/2</sup> = 151.6 eV) source for soft X-ray photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1995, 73, 249-259.	1.7	9
20	Infrared reflection absorption spectroscopy study of chemisorption on the Ni(001)-(2 × 2) Si surface. Surface Science, 1991, 241, 357-368.	1.9	6
21	First-principles study of electron trapping by intrinsic surface states on $\beta$ -Si <sub>3</sub> N <sub>4</sub> (0001). Surface Science, 2020, 691, 121511.	1.9	6
22	Ab-initio Hartree-Fock study of Mg <sup>2+</sup> as a substitutional impurity in CaF <sub>2</sub> . Solid State Communications, 2001, 118, 569-574.	1.9	5
23	Hartree-Fock study of near-edge gap states in CaF <sub>2</sub> with Na <sup>+</sup> , Cl <sup>-</sup> or Sr <sup>2+</sup> impurities. Computational Materials Science, 2002, 24, 501-512.	3.0	1