

MarÃ-a E DÃ;vila

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2927229/publications.pdf>

Version: 2024-02-01

52
papers

2,730
citations

471509

17
h-index

233421

45
g-index

54
all docs

54
docs citations

54
times ranked

3454
citing authors

#	ARTICLE	IF	CITATIONS
1	Germanene: a novel two-dimensional germanium allotrope akin to graphene and silicene. <i>New Journal of Physics</i> , 2014, 16, 095002.	2.9	1,255
2	Few layer epitaxial germanene: a novel two-dimensional Dirac material. <i>Scientific Reports</i> , 2016, 6, 20714.	3.3	218
3	Physics and chemistry of silicene nano-ribbons. <i>Applied Surface Science</i> , 2009, 256, 524-529.	6.1	170
4	Physics of Silicene Stripes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 259-263.	1.8	142
5	Self-aligned silicon quantum wires on Ag(110). <i>Surface Science</i> , 2005, 574, L9-L15.	1.9	141
6	Structure determination of Ni(111)c(4 Å ⁻²)-CO and its implications for the interpretation of vibrational spectroscopic data. <i>Surface Science</i> , 1994, 311, 337-348.	1.9	105
7	Unveiling the pentagonal nature of perfectly aligned single-and double-strand Si nano-ribbons on Ag(110). <i>Nature Communications</i> , 2016, 7, 13076.	12.8	98
8	Is the frequency of the internal mode of an adsorbed diatomic molecule a reliable guide to its local adsorption site?. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993, 64-65, 75-83.	1.7	80
9	Local Structure of NH ₂ on Si(100) $\sqrt{2}\times\sqrt{1}$ and its Effect on the Asymmetry of the Si Surface Dimers. <i>Physical Review Letters</i> , 1997, 79, 673-676.	7.8	52
10	Comparative structural and electronic studies of hydrogen interaction with isolated versus ordered silicon nanoribbons grown on Ag(110). <i>Nanotechnology</i> , 2012, 23, 385703.	2.6	42
11	CuO nanowires for inhibiting secondary electron emission. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 165104.	2.8	42
12	Secondary electron emission under electron bombardment from graphene nanoplatelets. <i>Applied Surface Science</i> , 2014, 291, 74-77.	6.1	42
13	Optical Absorption and Raman Scattering Measurements in CuAlSe ₂ at High Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 99-104.	1.5	29
14	Reaction of oxygen and sulphur dioxide with Cu(100)-c(2 Å ⁻²)-Mn surface alloy. <i>Surface Science</i> , 1998, 408, 326-334.	1.9	29
15	Epitaxy and Magnetic Properties of Surfactant-Mediated Growth of bcc Cobalt. <i>Physical Review Letters</i> , 2005, 94, 187601.	7.8	25
16	Giant effect of electron and hole donation on Sn ²⁺ -Ge(111) and Sn ²⁺ -Si(111) surfaces. <i>Physical Review B</i> , 2004, 70, .	3.2	23
17	Adsorption of SO ₂ on Cu(100) and Cu(100)-c(2 Å ⁻²)-O surfaces studied with photoelectron spectroscopy. <i>Vacuum</i> , 1998, 49, 171-174.	3.5	20
18	A scanned-energy mode photoelectron diffraction study of the structure of Ni(111)(2 Å ⁻²)-O. <i>Surface Science</i> , 1996, 359, 185-197.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Structure determination of using scanned-energy mode photoelectron diffraction. Journal of Physics Condensed Matter, 1997, 9, 8419-8432.	1.8	17
20	COMPLEX BEHAVIORS AT SIMPLE SEMICONDUCTOR AND METAL/SEMICONDUCTOR SURFACES. Surface Review and Letters, 2003, 10, 981-1008.	1.1	16
21	Low-secondary electron emission yield under electron bombardment of microstructured surfaces, looking for multipactor effect suppression. Journal of Electron Spectroscopy and Related Phenomena, 2020, 241, 146822.	1.7	14
22	Influence of the Synthetic Pathway on the Properties of Oxygen-Deficient Manganese-Related Perovskites. European Journal of Inorganic Chemistry, 2007, 2007, 3350-3355.	2.0	13
23	Determination of the lattice relaxation at the Yb(111) surface using chemical-shift photoelectron diffraction. Physical Review B, 2000, 62, 1635-1638.	3.2	11
24	Elemental Group IV Two-Dimensional Materials Beyond Graphene. Semiconductors and Semimetals, 2016, , 149-188.	0.7	11
25	Mn-silicide nanostructures aligned on massively parallel silicon nano-ribbons. Journal of Physics Condensed Matter, 2013, 25, 014009.	1.8	10
26	Structural determination of Yb single-crystal films grown on W(110) using photoelectron diffraction. Physical Review B, 2002, 66, .	3.2	9
27	Surface phase transitions at metalâ€“semiconductor interfaces: a revisit is needed. Applied Surface Science, 2004, 234, 274-285.	6.1	8
28	Electronic structure close to E _{Fin} low-level alkali-doped C60. Journal of Physics Condensed Matter, 1994, 6, 925-932.	1.8	7
29	Oxidation of Ce on Si(111) studied by high-resolution photoelectron spectroscopy. Surface Science, 2000, 464, 117-122.	1.9	7
30	Influence of the substrate surface termination on the properties of bcc-cobalt films: GaAs(110) versus Sb/GaAs(110). Applied Surface Science, 2004, 234, 468-474.	6.1	7
31	Electronic properties of high oriented pyrolytic graphite: Recent discoveries. Journal of Physics and Chemistry of Solids, 2006, 67, 546-551.	4.0	7
32	Silicon quantum wires on Ag(110): Fermi surface and quantum well states. Applied Surface Science, 2007, 254, 50-54.	6.1	7
33	Influence of Mn ²⁺ in the magnetic behaviour of manganese related-perovskites. Journal of Physics and Chemistry of Solids, 2006, 67, 571-574.	4.0	6
34	Dynamic secondary electron emission in rough composite materials. Scientific Reports, 2019, 9, 13967.	3.3	5
35	Perturbation of Ge(111) and Si(111)âˆ“Sn surfaces by adsorption of dopants. Surface Science, 2006, 600, 3154-3159.	1.9	4
36	Increasing the lego of 2D electronics materials: silicene and germanene, graphene's new synthetic cousins. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
37	Insight into the spin state at the surface of LaCoO_3 by photoemission electron microscopy. <i>Physical Review B</i> , 2016, 93, .	3.2	3
38	Magnetic circular X-ray dichroism of metastable epitaxial Fe on Cu(1 0 0). <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 120-122.	2.3	3
39	Angle-scanned photoemission spectrum from Cu(1 0 0): theory vs experiment. <i>Surface Science</i> , 2001, 482-485, 718-722.	1.9	3
40	Origin of localized states in graphite: Indirect photoemission processes or impurities?. <i>Applied Surface Science</i> , 2007, 254, 55-61.	6.1	3
41	Interaction between As and InP(110) studied by high resolution core level photoemission. <i>Applied Surface Science</i> , 1998, 123-124, 95-99.	6.1	2
42	Electronic band structure of (100). <i>Journal of Physics Condensed Matter</i> , 1997, 9, 1871-1876.	1.8	1
43	In Situ Magnetic-Circular-X-Ray-Dichroism Measurements: An Epitaxial Fe Wedge on Cu(100). <i>MRS Bulletin</i> , 1999, 24, 41-45.	3.5	1
44	Surface-core-level-shift photoelectron diffraction of Yb(111) films grown on W(110). <i>Surface and Interface Analysis</i> , 2002, 33, 595-600.	1.8	1
45	Structural characterization using spectroscopic techniques of Yb films grown on W(110) under ultrahigh vacuum conditions. <i>Journal of Applied Physics</i> , 2003, 93, 5075-5079.	2.5	1
46	Analyzing transients on multiconductor lines with corona. , 0, , .		1
47	Reducing the dimensionality of novel materials: one-dimensional silicon nanoribbons. , 2020, , 221-249.		1
48	New insight on the role of localisation in the electronic structure of the Si(111)($\sqrt{7} \times \sqrt{7}$) surfaces. <i>Scientific Reports</i> , 2021, 11, 15034.	3.3	1
49	Photoelectron diffraction study of Ag growth mediated by an arsenic layer on Si(1 1 1)1 Å– 1. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 137-140, 155-160.	1.7	0
50	Graphene-like Silicon Nano-ribbons on the Silver (110) Surface. , 2008, , .		0
51	Nanostructured Coatings of Low-Secondary Electron Emission to Avoid Multipactor Discharge in High-Power Microwave Devices. , 2019, , .		0
52	Silicene and germanene: advanced synthetic 2D materials for future electronics. <i>SPIE Newsroom</i> , 0, , .	0.1	0