

Katariina Pussi

List of Publications by Year in descending order

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69
papers

1,066
citations

394421

19
h-index

454955

30
g-index

70
all docs

70
docs citations

70
times ranked

1278
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Geometry of C_{60} on Ag(111). Physical Review Letters, 2009, 103, 056101.	7.8	121
2	The adsorption sites of rare gases on metallic surfaces: a review. Journal of Physics Condensed Matter, 2004, 16, S2839-S2862.	1.8	67
3	Structure and local variations of the graphene moiré on Ir(111). Physical Review B, 2013, 88, .	3.2	57
4	Structure of the tenfold Al-Ni-Co quasicrystal surface. Physical Review B, 2004, 69, .	3.2	52
5	Structure of the orthorhombic Al ₁₃ Co ₄ (100) surface using LEED, STM, and ab initio studies. Physical Review B, 2011, 84, .	3.2	41
6	Structure and dynamics of C_{60} molecules on Au(111). Physical Review B, 2014, 89, .	3.2	39
7	Tailoring the Structure of Water at a Metal Surface: A Structural Analysis of the Water Bilayer Formed on an Alloy Template. Physical Review Letters, 2011, 106, 226101.	7.8	37
8	Observation of a surface alloying-to-dealloying transition during growth of Bi on Ag(111). Physical Review B, 2011, 83, .	3.2	33
9	Low-energy electron diffraction study of potassium adsorbed on single-crystal graphite and highly oriented pyrolytic graphite. Physical Review B, 2004, 70, .	3.2	30
10	Dynamical low-energy electron diffraction study of graphite (0001)- $\sqrt{3}\times\sqrt{3}$ -R30°-Xe. Surface Science, 2004, 548, 157-162.	1.9	30
11	Elucidating the dynamical equilibrium of C_{60} molecules on Ag(111). Physical Review B, 2012, 86, .	3.2	29
12	Coulomb correlation in noncollinear antiferromagnetic MnO . Physical Review B, 2020, 101, 114407.	3.2	27
13	Structure of SnO on $\text{Cu}(100)$. Physical Review Letters, 2004, 93, 076101.	7.8	26
14	Determination of the structure of $\text{Cu}(100)$ - $\sqrt{5}\times\sqrt{5}$ -R45°-Sn by dynamical LEED. Surface Science, 2004, 549, 24-30.	1.9	25
15	LEED and DFT investigation on the $(\sqrt{2}\times\sqrt{2})$ -S overlayer on Co(0001). Surface Science, 2005, 599, 113-121.	1.9	22
16	Use of periodic approximants in a dynamical LEED study of the quasicrystalline tenfold surface of decagonal Al-Ni-Co. Physical Review B, 2006, 73, .	3.2	22
17	The uniaxially aperiodic structure of a thin Cu film on fivefold Al ₅ Cu ₂ Mn. Journal of Physics Condensed Matter, 2009, 21, 474213.	1.8	22
18	Surface structure of $\text{In}_2\text{O}_3(111)$ ($\sqrt{3}\times\sqrt{3}$) determined by density functional theory calculations and low energy electron diffraction. Surface Science, 2012, 606, 1-6.	1.9	21

#	ARTICLE	IF	CITATIONS
37	The evolution of the electronic structure at the Bi/Ag(111) interface studied using photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 435502.	1.8	9
38	Determination of the structure of Cu _c (4 \AA -4)-In by TLEED. <i>Surface Science</i> , 2003, 526, 141-148.	1.9	8
39	A tensor LEED study of the c(2 \AA -2)-Sb adsorption structure on Cu{110}. <i>Surface Science</i> , 2005, 583, 151-156.	1.9	8
40	Sulphur adsorption on Au{110}: DFT and LEED study. <i>Surface Science</i> , 2010, 604, 797-803. The structural analysis of Cu(111)-Te http://www.w3.org/1998/Math/MathML	1.9	8
41	and http://www.w3.org/1998/Math/MathML altimg="si18.gif" overflow="scroll" > <math>T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 597 Td (close="") > <math>T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 567 Td (close="") > <math>T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 567 Td (close="") >	1.9	8
42	Surface Atomic arrangements in an amorphous CoFeB ribbon extracted via an analysis of radial distribution functions. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 395801.	1.8	8
43	Molecular dynamics simulation of radiation damage in CaCd ₆ quasicrystal cubic approximant up to 10 keV. <i>Journal of Chemical Physics</i> , 2013, 138, 234505.	3.0	7
44	Structural properties of PbTe quantum dots revealed by high-energy x-ray diffraction. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 485401.	1.8	7
45	Low-energy electron diffraction (LEED) study of an aperiodic thin film of Cu on 5-fold i-Al-Pd-Mn. <i>Philosophical Magazine</i> , 2008, 88, 2103-2110.	1.6	6
46	Acene adsorption on a Fibonacci-modulated Cu film. <i>Physical Review B</i> , 2013, 87, .	3.2	6
47	Temperature dependent LEED study of Pb{111}. <i>Surface Science</i> , 2009, 603, 2759-2763.	1.9	4
48	Correlation of electron self-energy with geometric structure in low-energy electron diffraction. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 015003.	1.8	4
49	The atomic structure of low-index surfaces of the intermetallic compound InPd. <i>Journal of Chemical Physics</i> , 2015, 143, 074705.	3.0	4
50	LEED $\hat{\epsilon}$ IV and DFT study of the co-adsorption of chlorine and water on Cu(100). <i>Surface Science</i> , 2017, 657, 51-57.	1.9	4
51	Topological Dirac Semimetal Phase in Bismuth Based Anode Materials for Sodium-Ion Batteries. <i>Condensed Matter</i> , 2020, 5, 39.	1.8	4
52	The structure of oxygen-induced reconstruction on Cu{100}-c(2 \AA -2) $\hat{\epsilon}$ Pt surface alloy: the Pt/Cu{100}-(2 \AA -2) $\hat{\epsilon}$ O. <i>Surface Science</i> , 2004, 548, 231-238.	1.9	3
53	Multilayer relaxation of Pd{320} surface by quantitative LEED revisited. <i>Surface Science</i> , 2004, 566-568, 24-28.	1.9	3
54	Reconstruction of the Al ₁₃ Ru ₄ (010) Approximant Surface Leading to Anisotropic Molecular Adsorption. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22067-22072.	3.1	3

