

Hamid Oughaddou

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,170
citations

304743

22
h-index

133252

59
g-index

62
all docs

62
docs citations

62
times ranked

3980
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial growth of a silicene sheet. Applied Physics Letters, 2010, 97, .	3.3	1,233
2	Graphene-like silicon nanoribbons on Ag(110): A possible formation of silicene. Applied Physics Letters, 2010, 96, .	3.3	874
3	A review on silicene " New candidate for electronics. Surface Science Reports, 2012, 67, 1-18.	7.2	707
4	Evidence of graphene-like electronic signature in silicene nanoribbons. Applied Physics Letters, 2010, 96, .	3.3	555
5	Silicene, a promising new 2D material. Progress in Surface Science, 2015, 90, 46-83.	8.3	221
6	Physics and chemistry of silicene nano-ribbons. Applied Surface Science, 2009, 256, 524-529.	6.1	170
7	Silicene structures on silver surfaces. Journal of Physics Condensed Matter, 2012, 24, 314211.	1.8	141
8	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2 \times 1). Applied Physics Letters, 2013, 102, .	3.3	116
9	Epitaxial Synthesis of Blue Phosphorene. Small, 2018, 14, e1804066.	10.0	114
10	Growth of Si nanostructures on Ag(001). Surface Science, 2007, 601, 262-267.	1.9	101
11	Ge/Ag(111) semiconductor-on-metal growth: Formation of anAg ₂ Ge surface alloy. Physical Review B, 2000, 62, 16653-16656.	3.2	86
12	Silicon nano-ribbons on Ag(110): a computational investigation. Journal of Physics Condensed Matter, 2010, 22, 045004.	1.8	65
13	Burning Match Oxidation Process of Silicon Nanowires Screened at the Atomic Scale. Nano Letters, 2008, 8, 2299-2304.	9.1	59
14	Combined AFM and STM measurements of a silicene sheet grown on the Ag(111) surface. Journal of Physics Condensed Matter, 2013, 25, 225301.	1.8	56
15	Atomic and electronic structures of the ($\sqrt{3}\times\sqrt{3}$) _R surface alloy of silicene sheet on Ag(111). Applied Surface Science, 2014, 303, 61-66.	6.1	49
16	Compelling experimental evidence of a Dirac cone in the electronic structure of a 2D Silicon layer. Scientific Reports, 2017, 7, 44400.	3.3	45
17	An easy route to synthesize high-quality black phosphorus from amorphous red phosphorus. Materials Letters, 2019, 236, 56-59.	2.6	36
18	Adsorption of silicon on Au(110): An ordered two dimensional surface alloy. Applied Physics Letters, 2012, 101, .	3.3	34

#	ARTICLE	IF	CITATIONS
19	Atomic structure of silicene nanoribbons on Ag(110). Journal of Physics: Conference Series, 2014, 491, 012002.	0.4	32
20	Growth mode and dissolution kinetics of germanium thin films on Ag(001) surface: an AES-LEED investigation. Surface Science, 1999, 429, 320-326.	1.9	30
21	Self-assembled molecular chains formed by selective adsorption of lead-phthalocyanine on InSb(100)-(4 \times 2)/c(8 \times 2). Applied Physics Letters, 2003, 82, 2518-2520.	3.3	26
22	Ge tetramer structure of the p(2 \times 2) $\sqrt{3}$ surface reconstruction of Ge/Ag(001): A surface x-ray diffraction and STM study. Physical Review B, 2000, 61, 5692-5697.	3.2	22
23	Silicon sheets by redox assisted chemical exfoliation. Journal of Physics Condensed Matter, 2013, 25, 442001.	1.8	22
24	Flat epitaxial quasi-1D phosphorene chains. Nature Communications, 2021, 12, 5160.	12.8	22
25	Silicene Nanoribbons on an Insulating Thin Film. Advanced Functional Materials, 2021, 31, 2007013.	14.9	21
26	Atomic structure of the SbCu surface alloy: a surface X-ray diffraction study. Surface Science, 1999, 422, 42-49.	1.9	20
27	Photoelectron spectroscopy study of Pb/Ag(111) in the submonolayer range. Surface Science, 2006, 600, 1227-1230.	1.9	20
28	Atomic structure of the p(3 \times 3) $\sqrt{3}$ of silicene on Ag(111) surface. Journal of Physics: Conference Series, 2014, 491, 012004.	0.4	20
29	Self-assembled germanium nano-clusters on silver(110). Surface Science, 2004, 573, L369-L374.	1.9	19
30	Controlled growth of aluminum oxide thin films on hydrogen terminated Si(001) surface. Journal of Crystal Growth, 2007, 305, 26-29.	1.5	19
31	Evidence of new 2D material: Cu ₂ Te. 2D Materials, 2020, 7, 035010.	4.4	16
32	Growth and oxidation of aluminum thin films deposited on Ag(1 \times 1). Applied Surface Science, 2006, 252, 4167-4170.	6.1	15
33	Thermal stability of standalone silicene sheet. Journal of Physics: Conference Series, 2014, 491, 012008.	0.4	15
34	Germanium Adsorption on Ag(111): An AES-LEED and STM Study. Journal of Nanoscience and Nanotechnology, 2007, 7, 3189-3192.	0.9	14
35	Interfacial solid phase reactions in cobalt/aluminum oxide/silicon(001) system. Thin Solid Films, 2010, 518, 5992-5994.	1.8	13
36	Inter-diffusion of cobalt and silicon through an ultra thin aluminum oxide layer. Applied Surface Science, 2010, 256, 2731-2734.	6.1	12

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37	Phosphorus Pentamers: Floating Nanoflowers form a 2D Network. <i>Advanced Functional Materials</i> , 2020, 30, 2004531.	14.9	12
38	Self-organization of Ge tetramers on Ag(001) surface: A 2D realization of unusual substrate mediated interactions. <i>Surface Science</i> , 2008, 602, 506-510.	1.9	11
39	Growth of ultrathin film aluminum oxide on Ag(111). <i>Applied Physics Letters</i> , 2009, 95, 173111.	3.3	11
40	Surface morphology and structure of ultra-thin magnesium oxide grown on (100) silicon by atomic layer deposition oxidation. <i>Thin Solid Films</i> , 2011, 519, 6302-6306.	1.8	11
41	Atomic Structure of Submonolayer NaCl Grown on Ag(110) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20272-20278.	3.1	9
42	Unoccupied electronic band structure of pentagonal Si nanoribbons on Ag(110). <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17811-17820.	2.8	9
43	Phase transition and thermal stability of epitaxial PtSe ₂ nanolayer on Pt(111). <i>RSC Advances</i> , 2020, 10, 30934-30943.	3.6	9
44	Interplay between Structural and Electronic Properties in 1,4,5,8-Naphthalenetetracarboxylic Dianhydride Films on Cu(100). <i>Journal of Physical Chemistry C</i> , 2017, 121, 5050-5057.	3.1	8
45	Nano-structures developing at the graphene/silicon carbide interface. <i>Surface Science</i> , 2011, 605, L6-L11.	1.9	7
46	Reaction kinetics of ultrathin NaCl films on Ag(001) upon electron irradiation. <i>Physical Review B</i> , 2017, 96, .	3.2	7
47	Silicon nanoparticles synthesis from calcium disilicide by redox assisted chemical exfoliation. <i>Materials Today Communications</i> , 2018, 16, 281-284.	1.9	6
48	Formation of an unexpected ordered two-dimensional Ag ₂ Pb surfacealloy on Ag(111): A SXRD and STM study. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 601-604.	4.0	5
49	Properties of NTCDA Thin Films on Ag(110): Scanning Tunneling Microscopy, Photoemission, Near-Edge X-ray Fine Structure, and Density Functional Theory Investigations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 379-386.	3.1	5
50	Structure, electronics and dynamics of clean and metal adsorbed semiconductor surfaces: recent results and perspectives. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 11195-11206.	1.8	4
51	Unexpected behaviour of one Pb monolayer deposited on aluminum oxide thin film grown on Ag(111). <i>Applied Physics Letters</i> , 2013, 103, 261601.	3.3	4
52	Growth and characterization of nickel oxide ultra-thin films. <i>Surfaces and Interfaces</i> , 2020, 18, 100433.	3.0	4
53	First steps of blue phosphorene growth on Au(1 1 1). <i>Materials Today: Proceedings</i> , 2021, 39, 1153-1156.	1.8	4
54	Tip-induced oxidation of silicene nano-ribbons. <i>Nanoscale Advances</i> , 2020, 2, 2309-2314.	4.6	4

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55	Blue phosphorene reactivity on the Au(111) surface. <i>Nanotechnology</i> , 2020, 31, 495602.	2.6	4
56	Phase transition from AuTe surface alloy towards tellurene-like monolayer. <i>2D Materials</i> , 2021, 8, 015029.	4.4	4
57	Metallization of the $\hat{\Gamma}^2$ -SiC(100) 3\AA -2 surface: A DFT investigation. <i>Surface Science</i> , 2012, 606, 1471-1474.	1.9	3
58	First steps of silicene growth on Ag(111). <i>Journal of Physics: Conference Series</i> , 2018, 1081, 012005.	0.4	2
59	3rd International Meeting on Silicene (IMS-3). <i>Journal of Physics: Conference Series</i> , 2014, 491, 011001.	0.4	0
60	Silicene on Ag(111) and Au(110) Surfaces. <i>Springer Series in Materials Science</i> , 2016, , 167-181.	0.6	0
61	Adsorption of Se on Cu(1 0 0) and formation of two-dimensional copper selenide layer. <i>Materials Today: Proceedings</i> , 2021, 39, 1170-1174.	1.8	0