Hamid Oughaddou

List of Publications by Year
in descending order

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	First steps of blue phosphorene growth on Au(1 1 1). Materials Today: Proceedings, 2021, 39, 1153-1156.	1.8	4
2	Adsorption of Se on Cu(1 0 0) and formation of two-dimensional copper selenide layer. Materials Today: Proceedings, 2021, 39, 1170-1174.	1.8	0
3	Silicene Nanoribbons on an Insulating Thin Film. Advanced Functional Materials, 2021, 31, 2007013.	14.9	21
4	Flat epitaxial quasi-1D phosphorene chains. Nature Communications, 2021, 12, 5160.	12.8	22
5	Phase transition from Auâ€“Te surface alloy towards tellurene-like monolayer. 2D Materials, 2021, 8, 015029.	4.4	4
6	Growth and characterization of nickel oxide ultra-thin films. Surfaces and Interfaces, 2020, 18, 100433.	3.0	4
7	Phosphorus Pentamers: Floating Nanoflowers form a 2D Network. Advanced Functional Materials, 2020, 30, 2004531.	14.9	12
8	Phase transition and thermal stability of epitaxial PtSe2 nanolayer on Pt(111). RSC Advances, 2020, 10, 30934-30943.	3.6	9
9	Evidence of new 2D material: Cu₂Te. 2D Materials, 2020, 7, 035010.	4.4	16
10	Tip-induced oxidation of silicene nano-ribbons. Nanoscale Advances, 2020, 2, 2309-2314.	4.6	4
11	Blue phosphorene reactivity on the Au(111) surface. Nanotechnology, 2020, 31, 495602.	2.6	4
12	Unoccupied electronic band structure of pentagonal Si nanoribbons on Ag(110). Physical Chemistry Chemical Physics, 2019, 21, 17811-17820.	2.8	9
13	Properties of NTCDA Thin Films on Ag(110): Scanning Tunneling Microscopy, Photoemission, Near-Edge X-ray Fine Structure, and Density Functional Theory Investigations. Journal of Physical Chemistry C, 2019, 123, 379-386.	3.1	5
14	An easy route to synthesize high-quality black phosphorus from amorphous red phosphorus. Materials Letters, 2019, 236, 56-59.	2.6	36
15	First steps of silicene growth on Ag(111). Journal of Physics: Conference Series, 2018, 1081, 012005.	0.4	2
16	Epitaxial Synthesis of Blue Phosphorene. Small, 2018, 14, e1804066.	10.0	114
17	Silicon nanoparticles synthesis from calcium disilicide by redox assisted chemical exfoliation. Materials Today Communications, 2018, 16, 281-284.	1.9	6
18	Compelling experimental evidence of a Dirac cone in the electronic structure of a 2D Silicon layer. Scientific Reports, 2017, 7, 44400.	3.3	45

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19	Interplay between Structural and Electronic Properties in 1,4,5,8-Naphthalenetetracarboxylic Dianhydride Films on Cu(100). Journal of Physical Chemistry C, 2017, 121, 5050-5057.	3.1	8
20	Atomic Structure of Submonolayer NaCl Grown on Ag(110) Surface. Journal of Physical Chemistry C, 2017, 121, 20272-20278.	3.1	9
21	Reaction kinetics of ultrathin NaCl films on Ag(001) upon electron irradiation. Physical Review B, 2017, 96, .	3.2	7
22	Silicene on Ag(111) and Au(110) Surfaces. Springer Series in Materials Science, 2016, , 167-181.	0.6	0
23	Silicene, a promising new 2D material. Progress in Surface Science, 2015, 90, 46-83.	8.3	221
24	Thermal stability of standalone silicene sheet. Journal of Physics: Conference Series, 2014, 491, 012008.	0.4	15
25	Atomic structure of silicene nanoribbons on Ag(110). Journal of Physics: Conference Series, 2014, 491, 012002.	0.4	32
26	Atomic structure of the ()R30Â° of silicene on Ag(111) surface. Journal of Physics: Conference Series, 2014, 491, 012004.	0.4	20
27	3rd International Meeting on Silicene (IMS-3). Journal of Physics: Conference Series, 2014, 491, 011001.	0.4	0
28	Atomic and electronic structures of the (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 392 Td (xmlns:mml="http://www.w3.org/199 of silicene sheet on Ag(1 1 1). Applied Surface Science, 2014, 303, 61-66.	6.1	49
29	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2â€‰Ã—â€‰1). Applied Physics Letters, 2013, 102, .	3.3	116
30	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
31	Silicon sheets by redox assisted chemical exfoliation. Journal of Physics Condensed Matter, 2013, 25, 442001.	1.8	22
32	Unexpected behaviour of one Pb monolayer deposited on aluminum oxide thin film grown on Ag(111). Applied Physics Letters, 2013, 103, 261601.	3.3	4
33	Metallization of the Î²-SiC(100) 3Ã—2 surface: A DFT investigation. Surface Science, 2012, 606, 1471-1474.	1.9	3
34	Adsorption of silicon on Au(110): An ordered two dimensional surface alloy. Applied Physics Letters, 2012, 101, .	3.3	34
35	Silicene structures on silver surfaces. Journal of Physics Condensed Matter, 2012, 24, 314211.	1.8	141
36	A review on silicene â€" New candidate for electronics. Surface Science Reports, 2012, 67, 1-18.	7.2	707

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37	Nano-structures developing at the graphene/silicon carbide interface. Surface Science, 2011, 605, L6-L11.	1.9	7
38	Surface morphology and structure of ultra-thin magnesium oxide grown on (100) silicon by atomic layer deposition oxidation. Thin Solid Films, 2011, 519, 6302-6306.	1.8	11
39	Inter-diffusion of cobalt and silicon through an ultra thin aluminum oxide layer. Applied Surface Science, 2010, 256, 2731-2734.	6.1	12
40	Interfacial solid phase reactions in cobalt/aluminum oxide/silicon(001) system. Thin Solid Films, 2010, 518, 5992-5994.	1.8	13
41	Epitaxial growth of a silicene sheet. Applied Physics Letters, 2010, 97, .	3.3	1,233
42	Graphene-like silicon nanoribbons on Ag(110): A possible formation of silicene. Applied Physics Letters, 2010, 96, .	3.3	874
43	Evidence of graphene-like electronic signature in silicene nanoribbons. Applied Physics Letters, 2010, 96, .	3.3	555
44	Silicon nano-ribbons on Ag(110): a computational investigation. Journal of Physics Condensed Matter, 2010, 22, 045004.	1.8	65
45	Growth of ultrathin film aluminum oxide on Ag(111). Applied Physics Letters, 2009, 95, 173111.	3.3	11
46	Physics and chemistry of silicene nano-ribbons. Applied Surface Science, 2009, 256, 524-529.	6.1	170
47	Self-organization of Ge tetramers on Ag(001) surface: A 2D realization of unusual substrate mediated interactions. Surface Science, 2008, 602, 506-510.	1.9	11
48	Burning Match Oxidation Process of Silicon Nanowires Screened at the Atomic Scale. Nano Letters, 2008, 8, 2299-2304.	9.1	59
49	Germanium Adsorption on Ag(111): An AES-LEED and STM Study. Journal of Nanoscience and Nanotechnology, 2007, 7, 3189-3192.	0.9	14
50	Controlled growth of aluminum oxide thin films on hydrogen terminated Si(001) surface. Journal of Crystal Growth, 2007, 305, 26-29.	1.5	19
51	Growth of Si nanostructures on Ag(001). Surface Science, 2007, 601, 262-267.	1.9	101
52	Growth and oxidation of aluminum thin films deposited on Ag(1â€‰1â€‰1). Applied Surface Science, 2006, 252, 4167-4170.	6.1	15
53	Formation of an unexpected ordered two-dimensional Ag2Pb surfacealloy on Ag(111): A SXRD and STM study. Journal of Physics and Chemistry of Solids, 2006, 67, 601-604.	4.0	5
54	Photoelectron spectroscopy study of Pb/Ag(111) in the submonolayer range. Surface Science, 2006, 600, 1227-1230.	1.9	20

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55	Self-assembled germanium nano-clusters on silver(110). Surface Science, 2004, 573, L369-L374.	1.9	19
56	Self-assembled molecular chains formed by selective adsorption of leadâ€“phthalocyanine on InSb(100)-(4Ã—2)/c(8Ã—2). Applied Physics Letters, 2003, 82, 2518-2520.	3.3	26
57	Structure, electronics and dynamics of clean and metal adsorbed semiconductor surfaces: recent results and perspectives. Journal of Physics Condensed Matter, 2001, 13, 11195-11206.	1.8	4
58	Ge/Ag(111) semiconductor-on-metal growth: Formation of anAg2Gesurface alloy. Physical Review B, 2000, 62, 16653-16656.	3.2	86
59	Ge tetramer structure of thep(22Ã—42)R45Â°surface reconstruction of Ge/Ag(001): A surface x-ray diffraction and STM study. Physical Review B, 2000, 61, 5692-5697.	3.2	22
60	Atomic structure of the SbCu surface alloy: a surface X-ray diffraction study. Surface Science, 1999, 422, 42-49.	1.9	20
61	Growth mode and dissolution kinetics of germanium thin films on Ag(001) surface: an AESâ€“LEED investigation. Surface Science, 1999, 429, 320-326.	1.9	30