

Luca Bignardi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

500
citations

13
h-index

20
g-index

48
ext. papers

617
ext. citations

5.3
avg, IF

3.25
L-index

#	Paper	IF	Citations
46	Comparing graphene growth on Cu(111) versus oxidized Cu(111). <i>Nano Letters</i> , 2015 , 15, 917-22	11.5	89
45	Epitaxial growth of single-orientation high-quality MoS ₂ monolayers. <i>2D Materials</i> , 2018 , 5, 035012	5.9	41
44	Novel single-layer vanadium sulphide phases. <i>2D Materials</i> , 2018 , 5, 045009	5.9	28
43	Strain Lattice Imprinting in Graphene by C ₆₀ Intercalation at the Graphene/Cu Interface. <i>Nano Letters</i> , 2015 , 15, 7421-30	11.5	23
42	Key role of rotated domains in oxygen intercalation at graphene on Ni(1 1 1). <i>2D Materials</i> , 2017 , 4, 025106	5.9	22
41	Exciting H Molecules for Graphene Functionalization. <i>ACS Nano</i> , 2018 , 12, 513-520	16.7	19
40	Spin-dependent electron-phonon coupling in the valence band of single-layer WS ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	19
39	Spin Structure of K Valleys in Single-Layer WS ₂ on Au(111). <i>Physical Review Letters</i> , 2018 , 121, 136402	7.4	18
38	Free surfaces recast superconductivity in few-monolayer MgB: Combined first-principles and ARPES demonstration. <i>Scientific Reports</i> , 2017 , 7, 14458	4.9	16
37	Facing the interaction of absorbed silicon nano-ribbons on silver. <i>Nanotechnology</i> , 2017 , 28, 455701	3.4	15
36	Nature of the surface states at the single-layer graphene/Cu(111) and graphene/polycrystalline-Cu interfaces. <i>Physical Review B</i> , 2015 , 91,	3.3	14
35	80% Valley Polarization of Free Carriers in Singly Oriented Single-Layer WS ₂ on Au(111). <i>Physical Review Letters</i> , 2019 , 123, 236802	7.4	14
34	Photoemission investigation of oxygen intercalated epitaxial graphene on Ru(0001). <i>Surface Science</i> , 2018 , 678, 57-64	1.8	13
33	Thermolubricity of gas monolayers on graphene. <i>Nanoscale</i> , 2014 , 6, 8062-7	7.7	13
32	Growth and structure of singly oriented single-layer tungsten disulfide on Au(111). <i>Physical Review Materials</i> , 2019 , 3,	3.2	11
31	Graphene growth by molecular beam epitaxy: an interplay between desorption, diffusion and intercalation of elemental C species on islands. <i>Nanoscale</i> , 2018 , 10, 7396-7406	7.7	10
30	Microscopic characterisation of suspended graphene grown by chemical vapour deposition. <i>Nanoscale</i> , 2013 , 5, 9057-61	7.7	10

29	Hot electron transmission in metals using epitaxial NiSi ₂ /n-Si(111) interfaces. <i>Applied Physics Letters</i> , 2011 , 99, 032104	3.4	10
28	The adsorption of silicon on an iridium surface ruling out silicene growth. <i>Nanoscale</i> , 2018 , 10, 7085-7094	4.7	7
27	Dual character of excited charge carriers in graphene on Ni(111). <i>Physical Review B</i> , 2014 , 89,	3.3	7
26	Comparison of hot-electron transmission in ferromagnetic Ni on epitaxial and polycrystalline Schottky interfaces. <i>Physical Review B</i> , 2012 , 85,	3.3	7
25	Momentum-resolved linear dichroism in bilayer MoS ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	7
24	Layer and orbital interference effects in photoemission from transition metal dichalcogenides. <i>Physical Review B</i> , 2019 , 100,	3.3	7
23	Dual-Route Hydrogenation of the Graphene/Ni Interface. <i>ACS Nano</i> , 2019 , 13, 1828-1838	16.7	7
22	Metal phthalocyanines interaction with Co mediated by a moiré-graphene superlattice. <i>Journal of Chemical Physics</i> , 2019 , 150, 054704	3.9	6
21	Combined Experimental and Theoretical Study of Methyl Acetoacetate Adsorption on Ni{100}. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6186-6194	3.8	6
20	A first-principles study of stability of surface confined mixed metal oxides with corundum structure (FeO, CrO, VO). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 7073-7081	3.6	6
19	Electron-phonon coupling in single-layer MoS ₂ . <i>Surface Science</i> , 2019 , 681, 64-69	1.8	6
18	Comparison of surface structures of corundum CrO(0 0 0 1) and VO(0 0 0 1) ultrathin films by x-ray photoelectron diffraction. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 074002	1.8	5
17	Final-state effects in photoemission experiments from graphene on Ni(111). <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	5
16	Local order and non-linear optical properties in bulk nanostructured niobiosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1218-1222	3.9	5
15	Hydrogen interaction with graphene on Ir(1 1 1): a combined intercalation and functionalization study. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 085001	1.8	5
14	An Ordered Mixed Oxide Monolayer Formed by Iron Segregation on Rutile-TiO ₂ (011): Structural Determination by X-ray Photoelectron Diffraction. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26414-26424	3.8	4
13	Interfacial two-dimensional oxide enhances photocatalytic activity of graphene/titania via electronic structure modification. <i>Carbon</i> , 2020 , 157, 350-357	10.4	4
12	Periodic Modulation of Graphene by a 2D-FeO/Ir(111) Moiré Interlayer. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2762-2770	3.8	3

11	Electron dynamics in unoccupied states of spatially aligned 7- <i>a</i> graphene nanoribbons on Au(788). <i>Physical Review B</i> , 2014 , 90,	3.3	3
10	Ultrafast electronic linewidth broadening in the C 1s core level of graphene. <i>Physical Review B</i> , 2021 , 104,	3.3	3
9	Surface states resonances at the single-layer graphene/Cu(111) interface. <i>Surface Science</i> , 2016 , 643, 210-213	1.8	2
8	Growth Mechanism and Thermal Stability of a MoS ₂ /Graphene Interface: A High-Resolution Core-Level Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20889-20897	3.8	2
7	Spectroscopic view of ultrafast charge carrier dynamics in single- and bilayer transition metal dichalcogenide semiconductors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021 , 250, 147093	1.7	2
6	Unusual reversibility in molecular break-up of PAHs: the case of pentacene dehydrogenation on Ir(111). <i>Chemical Science</i> , 2020 , 12, 170-178	9.4	2
5	In Situ Synthesis of MetalSalophene Complexes on Intercalated Graphene. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4279-4287	3.8	1
4	Vibrational Fine Structure in C 1s High-Resolution Core-Level Spectra of CO Chemisorbed on Ir(111). <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1411-1419	3.8	1
3	Anisotropic strain in epitaxial single-layer molybdenum disulfide on Ag(110). <i>Nanoscale</i> , 2021 , 13, 18789-18798	1.8	1
2	Atomic Undercoordination in Ag Islands on Ru(0001) Grown via Size-Selected Cluster Deposition: An Experimental and Theoretical High-Resolution Core-Level Photoemission Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9556-9563	3.8	1
1	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1373-1381	9.3	0