Andrea Picone

List of Publications by Year
in descending order

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49	682	567281	610901
papers	citations	15	24
		h-index	g-index

51	51	51	722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactive metalâ€“oxide interfaces: A microscopic view. Surface Science Reports, 2016, 71, 32-76.	7.2	80
2	Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers. Advanced Functional Materials, 2014, 24, 958-963.	14.9	51
3	Scanning tunneling spectroscopy of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>001</mml:mn> Physical Review B, 2009, 79, .	3.2	43
4	Oxygen-induced effects on the morphology of the Fe(001) surface in out-of-equilibrium conditions. Physical Review B, 2011, 83, .	3.2	38
5	Atomic corrugation in scanning tunneling microscopy images of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>001</mml:mn> Physical Review B, 2010, 81, .	3.2	33
6	Self-organized chromium oxide monolayers on Fe(001). Physical Review B, 2013, 87, .	3.2	25
7	Controlling the Electronic and Structural Coupling of C₆₀ Nano Films on Fe(001) through Oxygen Adsorption at the Interface. ACS Applied Materials & Interfaces, 2016, 8, 26418-26424.	8.0	23
8	Enhanced Atom Mobility on the Surface of a Metastable Film. Physical Review Letters, 2014, 113, 046102.	7.8	22
9	Effects of temperature on the oxygen aided Cr growth on Fe(001). Surface Science, 2011, 605, 2092-2096.	1.9	21
10	Cobalt atoms drive the anchoring of Co-TPP molecules to the oxygen-passivated Fe(0â€¯0â€¯1) surface. Applied Surface Science, 2020, 505, 144213.	6.1	21
11	Tuning spin-charge interconversion with quantum confinement in ultrathin bismuth films. Physical Review B, 2018, 98, .	3.2	20
12	Oxidation effects on ultrathin Ni and Cr films grown on Fe(001): A combined scanning tunneling microscopy and Auger electron spectroscopy study. Surface Science, 2014, 621, 55-63.	1.9	17
13	Enhanced Magnetic Hybridization of a Spinterface through Insertion of a Two-Dimensional Magnetic Oxide Layer. Nano Letters, 2017, 17, 7440-7446.	9.1	17
14	Nontrivial central-atom dependence in the adsorption of M-TPP molecules (MÂ=ÂCo, Ni, Zn) on Fe(001)-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si108.svg"><mml:mrow><mml:mi>p</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Ov	6.1	17
15	Mesoscopic organization of cobalt thin films on clean and oxygen-saturated Fe(001) surfaces. Physical Review B, 2015, 92, .	3.2	16
16	Local structure and morphological evolution of ZnTPP molecules grown on Fe(001)-p(1â€‰Ã—â€‰1)O studied by STM and NEXAFS. Applied Surface Science, 2018, 435, 841-847.	6.1	16
17	Oxygen-assisted Ni growth on Fe(001): Observation of an â€œanti-surfactantâ€•effect. Physical Review B, 2012, 86, .	3.2	15
18	Graphene as an Ideal Buffer Layer for the Growth of High-Quality Ultrathin Cr₂O₃ Layers on Ni(111). ACS Nano, 2019, 13, 4361-4367.	14.6	15

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19	Electron spectroscopy investigation of the oxidation of ultra-thin films of Ni and Cr on Fe(0â€‰0â€‰1). Journal of Physics Condensed Matter, 2014, 26, 445001.	1.8	14
20	Atomic Scale Insights into the Early Stages of Metal Oxidation: A Scanning Tunneling Microscopy and Spectroscopy Study of Cobalt Oxidation. Journal of Physical Chemistry C, 2016, 120, 5233-5241.	3.1	14
21	Martensitic transition during Ni growth on Fe(001): evidence of a precursor phase. New Journal of Physics, 2012, 14, 053048.	2.9	13
22	Combined spectroscopic and ab initio investigation of monolayer-range Cr oxides on Fe(001): The effect of ordered vacancy superstructure. Physical Review B, 2017, 96, .	3.2	13
23	Structure and Electronic Properties of CoO Nanostructures on a Vicinal Pd(100) Surface. Journal of Physical Chemistry C, 2013, 117, 18464-18474.	3.1	12
24	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. Synthetic Metals, 2014, 195, 201-207.	3.9	12
25	Self-organized nano-structuring of CoO islands on Fe(001). Applied Surface Science, 2016, 362, 374-379.	6.1	12
26	Room temperature magnetism of ordered porphyrin layers on Fe. Applied Physics Letters, 2019, 115, .	3.3	12
27	Scanning tunneling microscopy investigation of CoO/Fe(001) and Fe/CoO/Fe(001) layered structures. Surface Science, 2011, 605, 95-100.	1.9	11
28	Magnetic properties of monolayer range chromium oxides on Fe(001). Journal of Applied Physics, 2013, 114, .	2.5	9
29	Filled and empty states of Zn-TPP films deposited on Fe(001)-p(1Ã—1)O. Beilstein Journal of Nanotechnology, 2016, 7, 1527-1531.	2.8	9
30	Magnetic anisotropy at the buried CoO/Fe interface. Applied Physics Letters, 2016, 109, .	3.3	9
31	Intercalation from the Depths: Growth of a Metastable Chromium Carbide between Epitaxial Graphene and Ni(111) by Carbon Segregation from the Bulk. Journal of Physical Chemistry C, 2017, 121, 16803-16809.	3.1	9
32	X-ray photoemission spectroscopy investigation of the early stages of the oxygen aided Cr growth on Fe(001). Applied Surface Science, 2013, 267, 141-145.	6.1	8
33	An In-Depth Assessment of the Electronic and Magnetic Properties of a Highly Ordered Hybrid Interface: The Case of Nickel Tetra-Phenyl-Porphyrins on Fe(001)â€“p(1 Ã— 1)O. Micromachines, 2021, 12, 191.	2.9	7
34	Thermal Instability of Thin Ni/Fe(001) Films. Nanoscience and Nanotechnology Letters, 2012, 4, 1092-1095.	0.4	6
35	Organic Electronics: Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers (Adv.) Tj ETQq1 1 0.784314 rgBT /Ov	14.9	4
36	Effects of the introduction of a chromium oxide monolayer at the C60/Fe(001) interface. Journal of Applied Physics, 2019, 125, 142907.	2.5	3

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37	Magnetic properties of the CoO/Fe(001) system with a bottom-up engineered interface. Journal of Magnetism and Magnetic Materials, 2019, 475, 54-59.	2.3	3
38	3-dimensional nucleation of Fe oxide induced by a graphene buffer layer. Journal of Chemical Physics, 2020, 152, 054706.	3.0	3
39	Reversible metamorphosis from Fe₃O₄ to FeO of epitaxial iron oxide films grown on the Fe-p(1 Ã— 1)O surface. RSC Advances, 2021, 11, 11513-11518.	3.6	2
40	Mapping the evolution of Bi/Ge(111) empty states: From the wetting layer to pseudo-cubic islands. Journal of Applied Physics, 2021, 129, 155310.	2.5	2
41	Observation of a Metastable Honeycomb Arrangement of C₆₀ on Ni(111) with (7 Ã— 7) Periodicity: Tailoring an Interface for Organic Spintronics. ACS Applied Nano Materials, 2021, 4, 12993-13000.	5.0	2
42	2D-3D Phase Transition in Ultra-thin H2TPP Films Induced by Deposition of Iron Atoms. Materials Today: Proceedings, 2015, 2, 4239-4246.	1.8	1
43	Metal Thin Film Growth on Metals: Surfactant Effects. , 2018, , 221-231.		1
44	From Cr carbide to Cr oxide through a graphene layer. Applied Surface Science, 2022, 599, 153926.	6.1	1
45	Magneto-optical investigation of Fe/CoO/Fe(001) trilayers. , 2014, , .		0
46	Growth and oxidation of vanadium ultra-thin buï¬€er layers on Fe(001). Proceedings of SPIE, 2016, , .	0.8	0
47	Template Assisted Nucleation of Cobalt and Gold Nano-clusters on an Ultrathin Iron Oxide Film. Topics in Catalysis, 2018, 61, 1283-1289.	2.8	0
48	Ordered Porphyrin Arrays on Fe(001): An Enabling Technology for Future Spintronics. Proceedings (mdpi), 2020, 56, 25.	0.2	0
49	Magnetic Properties of Oxide Surfaces and Films. Springer Handbooks, 2020, , 699-733.	0.6	0