

Andrea Picone

List of Publications by Year in descending order

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51
all docs

51
docs citations

51
times ranked

722
citing authors

#	ARTICLE	IF	CITATIONS
1	From Cr carbide to Cr oxide through a graphene layer. Applied Surface Science, 2022, 599, 153926.	6.1	1
2	Reversible metamorphosis from Fe ₃ O ₄ to FeO of epitaxial iron oxide films grown on the Fe-p(1 Å ⁻¹)O surface. RSC Advances, 2021, 11, 11513-11518.	3.6	2
3	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)-p(1 Å ⁻¹)O. Micromachines, 2021, 12, 191.	2.9	7
4	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
5	Observation of a Metastable Honeycomb Arrangement of C ₆₀ on Ni(111) with (7 Å ⁻¹) Periodicity: Tailoring an Interface for Organic Spintronics. ACS Applied Nano Materials, 2021, 4, 12993-13000.	5.0	2
6	Cobalt atoms drive the anchoring of Co-TPP molecules to the oxygen-passivated Fe(O ⁻¹) surface. Applied Surface Science, 2020, 505, 144213.	6.1	21
7	Nontrivial central-atom dependence in the adsorption of M-TPP molecules (M=Co, Ni, Zn) on Fe(001)-p(1 Å ⁻¹)O. Applied Surface Science, 2020, 505, 144213.	6.1	17
8	Ordered Porphyrin Arrays on Fe(001): An Enabling Technology for Future Spintronics. Proceedings (mdpi), 2020, 56, 25.	0.2	0
9	3-dimensional nucleation of Fe oxide induced by a graphene buffer layer. Journal of Chemical Physics, 2020, 152, 054706.	3.0	3
10	Magnetic Properties of Oxide Surfaces and Films. Springer Handbooks, 2020, , 699-733.	0.6	0
11	Room temperature magnetism of ordered porphyrin layers on Fe. Applied Physics Letters, 2019, 115, .	3.3	12
12	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
13	Graphene as an Ideal Buffer Layer for the Growth of High-Quality Ultrathin Cr ₂ O ₃ Layers on Ni(111). ACS Nano, 2019, 13, 4361-4367.	14.6	15
14	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
15	Local structure and morphological evolution of ZnTPP molecules grown on Fe(001)-p(1 Å ⁻¹)O studied by STM and NEXAFS. Applied Surface Science, 2018, 435, 841-847.	6.1	16
16	Metal Thin Film Growth on Metals: Surfactant Effects. , 2018, , 221-231.		1
17	Tuning spin-charge interconversion with quantum confinement in ultrathin bismuth films. Physical Review B, 2018, 98, .	3.2	20
18	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

#	ARTICLE	IF	CITATIONS
19	Combined spectroscopic and <i>ab initio</i> investigation of monolayer-range Cr oxides on Fe(001): The effect of ordered vacancy superstructure. <i>Physical Review B</i> , 2017, 96, .	3.2	13
20	Intercalation from the Depths: Growth of a Metastable Chromium Carbide between Epitaxial Graphene and Ni(111) by Carbon Segregation from the Bulk. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16803-16809.	3.1	9
21	Enhanced Magnetic Hybridization of a Spinterface through Insertion of a Two-Dimensional Magnetic Oxide Layer. <i>Nano Letters</i> , 2017, 17, 7440-7446.	9.1	17
22	Filled and empty states of Zn-TPP films deposited on Fe(001)- <i>p</i> (1 $\bar{1}$ -1)O. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1527-1531.	2.8	9
23	Magnetic anisotropy at the buried CoO/Fe interface. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	9
24	Atomic Scale Insights into the Early Stages of Metal Oxidation: A Scanning Tunneling Microscopy and Spectroscopy Study of Cobalt Oxidation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5233-5241.	3.1	14
25	Growth and oxidation of vanadium ultra-thin buried layers on Fe(001). <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
26	Controlling the Electronic and Structural Coupling of C ₆₀ Nano Films on Fe(001) through Oxygen Adsorption at the Interface. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26418-26424.	8.0	23
27	Self-organized nano-structuring of CoO islands on Fe(001). <i>Applied Surface Science</i> , 2016, 362, 374-379.	6.1	12
28	Reactive metal-oxide interfaces: A microscopic view. <i>Surface Science Reports</i> , 2016, 71, 32-76.	7.2	80
29	Mesoscopic organization of cobalt thin films on clean and oxygen-saturated Fe(001) surfaces. <i>Physical Review B</i> , 2015, 92, .	3.2	16
30	2D-3D Phase Transition in Ultra-thin H ₂ TPP Films Induced by Deposition of Iron Atoms. <i>Materials Today: Proceedings</i> , 2015, 2, 4239-4246.	1.8	1
31	Electron spectroscopy investigation of the oxidation of ultra-thin films of Ni and Cr on Fe(O ₂). <i>Journal of Physics Condensed Matter</i> , 2014, 26, 445001.	1.8	14
32	Organic Electronics: Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers (Adv. Tj ETQq0 0,0 ggBT /Overlock 10	14.9	4
33	Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers. <i>Advanced Functional Materials</i> , 2014, 24, 958-963.	14.9	51
34	Oxidation effects on ultrathin Ni and Cr films grown on Fe(001): A combined scanning tunneling microscopy and Auger electron spectroscopy study. <i>Surface Science</i> , 2014, 621, 55-63.	1.9	17
35	Enhanced Atom Mobility on the Surface of a Metastable Film. <i>Physical Review Letters</i> , 2014, 113, 046102.	7.8	22
36	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. <i>Synthetic Metals</i> , 2014, 195, 201-207.	3.9	12

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37	Magneto-optical investigation of Fe/CoO/Fe(001) trilayers. , 2014, , .		0
38	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
39	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
40	Self-organized chromium oxide monolayers on Fe(001). Physical Review B, 2013, 87, .	3.2	25
41	Magnetic properties of monolayer range chromium oxides on Fe(001). Journal of Applied Physics, 2013, 114, .	2.5	9
42	Martensitic transition during Ni growth on Fe(001): evidence of a precursor phase. New Journal of Physics, 2012, 14, 053048.	2.9	13
43	Oxygen-assisted Ni growth on Fe(001): Observation of an "anti-surfactant" effect. Physical Review B, 2012, 86, .	3.2	15
44	Thermal Instability of Thin Ni/Fe(001) Films. Nanoscience and Nanotechnology Letters, 2012, 4, 1092-1095.	0.4	6
45	Effects of temperature on the oxygen aided Cr growth on Fe(001). Surface Science, 2011, 605, 2092-2096.	1.9	21
46	Scanning tunneling microscopy investigation of CoO/Fe(001) and Fe/CoO/Fe(001) layered structures. Surface Science, 2011, 605, 95-100.	1.9	11
47	Oxygen-induced effects on the morphology of the Fe(001) surface in out-of-equilibrium conditions. Physical Review B, 2011, 83, .	3.2	38
48	Atomic corrugation in scanning tunneling microscopy images of the $\text{Fe}/\text{Fe}(\text{001})$ surface. Physical Review B, 2010, 81, .	3.2	33
49	Scanning tunneling spectroscopy of the $\text{Fe}/\text{Fe}(\text{001})$ surface. Physical Review B, 2009, 79, .	3.2	43