

Stefano Colonna

List of Publications by Year in descending order

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48
papers

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citations

471509

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552781

26
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48
all docs

48
docs citations

48
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of Dirac-cone-like features in silicon structures on Ag(111) and Ag(110). Journal of Applied Physics, 2013, 114, .	2.5	68
2	XAS investigation of tantalum and niobium in nanostructured TiO ₂ anatase. Journal of Solid State Chemistry, 2004, 177, 1781-1788.	2.9	48
3	Silicon Reactivity at the Ag(111) Surface. Physical Review Letters, 2015, 115, 026102.	7.8	47
4	Temperature Driven Phase Transition at the Antimonene/Bi ₂ Se ₃ van der Waals Heterostructure. ACS Nano, 2019, 13, 10481-10489.	14.6	45
5	Mott Phase at the Surface of 1T-TaSe ₂ Observed by Scanning Tunneling Microscopy. Physical Review Letters, 2005, 94, 036405.	7.8	43
6	Direct Observation of Sn Adatoms Dynamical Fluctuations at the Sn/Ge(111) Surface. Physical Review Letters, 2005, 95, 156101.	7.8	38
7	Self-Assembly of Graphene Nanoblister Sealed to a Bare Metal Surface. Nano Letters, 2016, 16, 1808-1817.	9.1	36
8	Low temperature STM/STS study of silicon nanowires grown on the Ag(110) surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2716-2719.	0.8	33
9	Chirality Transfer from a Single Chiral Molecule to 2D Superstructures in Alaninol on the Cu(100) Surface. Langmuir, 2011, 27, 7410-7418.	3.5	28
10	Silicon-induced faceting at the Ag(110) surface. Physical Review B, 2014, 89, .	3.2	25
11	Systematic STM and LEED investigation of the Si/Ag(110) surface. Journal of Physics Condensed Matter, 2013, 25, 315301.	1.8	23
12	Metallic Nature of the $\sqrt{3}\times\sqrt{3}$ Sn/Ge(111) Surface down to 2.5 ÅK. Physical Review Letters, 2008, 101, 186102.	7.8	20
13	Supramolecular and Chiral Effects at the Titanyl Phthalocyanine/Ag(100) Hybrid Interface. Journal of Physical Chemistry C, 2014, 118, 5255-5267.	3.1	20
14	Structure and stability of Si/Ag(110) nanoribbons. Physical Review B, 2015, 92, .	3.2	20
15	Supported rhodium nanoparticles in catalysis: the role of stabilizers on catalytic activity and structural features. Journal of Organometallic Chemistry, 2003, 681, 37-50.	1.8	19
16	Evidence of Sn Adatoms Quantum Tunneling at the $\sqrt{3}\times\sqrt{3}$ Sn/Si(111) Surface. Physical Review Letters, 2007, 99, 166103.	7.8	19
17	Ultrafast carrier dynamics, band-gap renormalization, and optical properties of ZnSe nanowires. Physical Review B, 2016, 94, .	3.2	17
18	Topologization of $\sqrt{2}$ -antimonene on Bi ₂ Se ₃ via proximity effects. Scientific Reports, 2020, 10, 14619.	3.3	17

#	ARTICLE	IF	CITATIONS
19	XAS characterization and CO oxidation on $\hat{\Gamma}$ -alumina supported La, Mn, Co and Fe oxides. Physical Chemistry Chemical Physics, 2004, 6, 1350-1358.	2.8	16
20	Raman spectroscopy study of silicon nanoribbons on Ag(110). Applied Physics Letters, 2014, 104, 161612.	3.3	14
21	Unexpected Rotamerism at the Origin of a Chessboard Supramolecular Assembly of Ruthenium Phthalocyanine. Chemistry - A European Journal, 2017, 23, 16319-16327.	3.3	11
22	Demonstration of the Existence of Dumbbell Silicene: A Stable Two-Dimensional Allotrope of Silicon. Journal of Physical Chemistry C, 2021, 125, 17906-17917.	3.1	11
23	Scanning probe microscopy in material science and biology. Journal Physics D: Applied Physics, 2011, 44, 464008.	2.8	10
24	Mn-silicide nanostructures aligned on massively parallel silicon nano-ribbons. Journal of Physics Condensed Matter, 2013, 25, 014009.	1.8	10
25	High graphene permeability for room temperature silicon deposition: The role of defects. Carbon, 2020, 158, 631-641.	10.3	9
26	Adsorption and self-assembly of D-alaninol on Cu(100). Superlattices and Microstructures, 2009, 46, 52-58.	3.1	8
27	Detecting and localizing surface dynamics with STM: a study of the Sn/Ge(111) and Sn/Si(111) $\hat{\Gamma}$ -phase surfaces. Journal of Physics Condensed Matter, 2010, 22, 264003.	1.8	8
28	Oxidation of the 8×8 -reconstructed $\hat{\Gamma}^2$ -Si ₃ N ₄ (0 0 0 1) surface: A photoemission study. Applied Surface Science, 2015, 355, 93-97.	6.1	8
29	First-principles calculations and bias-dependent STM measurements at the $\hat{\Gamma}$ -Sn/Ge(111) surface. Europhysics Letters, 2009, 85, 66001.	2.0	7
30	Supramolecular organization of chiral molecules on metallic surfaces: D-alaninol on Cu(100) as a case study. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2616-2619.	0.8	6
31	The role of kinetics on the Mn-induced reconstructions of the GaAs(001) surface. Journal of Applied Physics, 2011, 109, .	2.5	6
32	Signature of surface periodicity in the electronic structure of Si(1 \times 1)-(7 \times 7). Journal of Physics Condensed Matter, 2017, 29, 215001.	1.8	6
33	Organizational chirality expression as a function of the chirality measure of simple amino alcohols on Cu(100). Surface Science, 2014, 629, 41-47.	1.9	5
34	Silicene growth on Ag(110) and Ag(111) substrates reconsidered in light of Si $\hat{\Gamma}$ -Ag reactivity. Nanotechnology, 2021, 32, 152001.	2.6	5
35	Ferromagnetic $\hat{\Gamma}$ -antiferromagnetic Fe/NiO (100) interface studied by non-linear Kerr effect. Surface Science, 2007, 601, 4362-4365.	1.9	4
36	Colonna et al. Reply. Physical Review Letters, 2009, 102, .	7.8	4

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37	XPS and STM study of Mn incorporation on the GaAs(001) surface. Superlattices and Microstructures, 2009, 46, 258-265.	3.1	4
38	Impact of the Substrate Work Function on Self-Assembling and Electronic Structure of Adsorbed Ruthenium Phthalocyanine. Journal of Physical Chemistry C, 2020, 124, 23295-23306.	3.1	4
39	In Situ Very-High-Energy Diffraction Studies of Thermal Decomposition of Transition Metal Trifluorides. Bulletin of the Chemical Society of Japan, 2003, 76, 1165-1169.	3.2	3
40	Differential reflectivity and photoemission study of ZnTe and CdTe (1 1 0) surface. Journal of Alloys and Compounds, 2004, 382, 224-227.	5.5	3
41	Scanning Tunneling Microscopy Observation of a Mott-Insulator Phase at the 1T-TaSe ₂ Surface. Japanese Journal of Applied Physics, 2006, 45, 1950-1952.	1.5	2
42	Low Temperature Scanning Tunneling Microscopy and Scanning Tunneling Spectroscopy Study at the $\sqrt{3}\times\sqrt{3}$ -Sn/Ge(111) Surface. Japanese Journal of Applied Physics, 2006, 45, 2180-2183.	1.5	2
43	Structure and phase transitions of the Sn/Ge(111) surface. Surface Science, 2007, 601, 4381-4385.	1.9	2
44	A spectroscopy and microscopy study of silicon nanoclusters grown on $\sqrt{3}\times\sqrt{3}$ -Si ₃ N ₄ (0001)/Si(111) interface. Applied Surface Science, 2019, 466, 59-62.	6.1	2
45	Two-dimensional molecular chirality transfer on metal surfaces. Rendiconti Lincei, 2013, 24, 251-257.	2.2	1
46	Morphology and Magneto-Transport in Exfoliated Graphene on Ultrathin Crystalline $\sqrt{3}\times\sqrt{3}$ -Si ₃ N ₄ (0001)/Si(111). Advanced Materials Interfaces, 2020, 7, 1902175.	3.7	1
47	In situ Very-High-Energy Diffraction Studies of Thermal Decomposition of Transition Metal Trifluorides.. ChemInform, 2003, 34, no.	0.0	0
48	Optical techniques for pump-probe magnetic measurements and nanoimaging of biological samples. Rendiconti Lincei, 2011, 22, 49-57.	2.2	0