Martina Corso

List of Publications by Year
in descending order

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71 papers	3,400 citations	201674 27 h-index	144013 57 g-index
75 all docs	75 docs citations	75 times ranked	3848 citing authors

#	Article	IF	Citations
1	Boron Nitride Nanomesh. Science, 2004, 303, 217-220.	12.6	864
2	Self-Assembly of a Hexagonal Boron Nitride Nanomesh on Ru(0001). Langmuir, 2007, 23, 2928-2931.	3.5	216
3	Boron Nitride Nanomesh: Functionality from a Corrugated Monolayer. Angewandte Chemie - International Edition, 2007, 46, 5115-5119.	13.8	209
4	Substrate-Independent Growth of Atomically Precise Chiral Graphene Nanoribbons. ACS Nano, 2016, 10, 9000-9008.	14.6	155
5	Width-Dependent Band Gap in Armchair Graphene Nanoribbons Reveals Fermi Level Pinning on Au(111). ACS Nano, 2017, 11, 11661-11668.	14.6	149
6	Formation of single layer h-BN on Pd(111). Surface Science, 2006, 600, 3280-3284.	1.9	148
7	Single spin localization and manipulation in graphene open-shell nanostructures. Nature Communications, 2019, 10, 200.	12.8	134
8	h-BN on Pd(110): a tunable system for self-assembled nanostructures?. Surface Science, 2005, 577, L78-L84.	1.9	79
9	Doping of Graphene Nanoribbons via Functional Group Edge Modification. ACS Nano, 2017, 11, 7355-7361.	14.6	78
10	Survival of spin state in magnetic porphyrins contacted by graphene nanoribbons. Science Advances, 2018, 4, eaaq0582.	10.3	71
11	Topological phase transition in chiral graphene nanoribbons: from edge bands to end states. Nature Communications, 2021, 12, 5538.	12.8	66
12	On‐Surface Synthesis and Collective Spin Excitations of a Triangulene‐Based Nanostar. Angewandte Chemie - International Edition, 2021, 60, 25224-25229.	13.8	66
13	Quantum Dots Embedded in Graphene Nanoribbons by Chemical Substitution. Nano Letters, 2017, 17, 50-56.	9.1	56
14	Customized Electronic Coupling in Self‐Assembled Donor–Acceptor Nanostructures. Advanced Functional Materials, 2009, 19, 3567-3573.	14.9	52
15	Surface X-ray diffraction study of boron-nitride nanomesh in air. Surface Science, 2007, 601, L7-L10.	1.9	51
16	Au(111)-Based Nanotemplates by Gd Alloying. ACS Nano, 2010, 4, 1603-1611.	14.6	50
17	Aza-Triangulene: On-Surface Synthesis and Electronic and Magnetic Properties. Journal of the American Chemical Society, 2022, 144, 4522-4529.	13.7	49
18	X-ray photoemission analysis of clean and carbon monoxide-chemisorbed platinum(111) stepped surfaces using a curved crystal. Nature Communications, 2015, 6, 8903.	12.8	48

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19	Driving a Macroscopic Oscillator with the Stochastic Motion of a Hydrogen Molecule. Science, 2012, 338, 779-782.	12.6	44
20	Tunable self-assembly of one-dimensional nanostructures with orthogonal directions. Nanoscale Research Letters, 2007, 2, 94-99.	5.7	42
21	Single layer hexagonal boron nitride films on Ni(110). E-Journal of Surface Science and Nanotechnology, 2006, 4, 410-413.	0.4	41
22	Unraveling the Electronic Structure of Narrow Atomically Precise Chiral Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2018, 9, 25-30.	4.6	41
23	Interplay between structure and electronic states in step arrays explored with curved surfaces. Physical Review B, 2011, 83, .	3.2	36
24	Orbital Redistribution in Molecular Nanostructures Mediated by Metalâ€“Organic Bonds. ACS Nano, 2014, 8, 10715-10722.	14.6	36
25	Electronic Properties of Substitutionally Boron-Doped Graphene Nanoribbons on a Au(111) Surface. Journal of Physical Chemistry C, 2018, 122, 16092-16099.	3.1	31
26	Magnetic Interactions Between Radical Pairs in Chiral Graphene Nanoribbons. Nano Letters, 2022, 22, 164-171.	9.1	29
27	Two-Step Reaction on a Strained, Nanoscale Segmented Surface. Physical Review Letters, 2004, 93, 126104.	7.8	28
28	Lateral engineering of surface states â€“ towards surface-state nanoelectronics. Nanoscale, 2010, 2, 717.	5.6	27
29	Electronic structure and excited state dynamics in a dicyanovinyl-substituted oligothiophene on Au(111). Physical Chemistry Chemical Physics, 2015, 17, 27118-27126.	2.8	25
30	Electronic states in faceted Au(111) studied with curved crystal surfaces. Journal of Physics Condensed Matter, 2009, 21, 353001.	1.8	24
31	Graphene Tunable Transparency to Tunneling Electrons: A Direct Tool To Measure the Local Coupling. ACS Nano, 2016, 10, 5131-5144.	14.6	23
32	Band Depopulation of Graphene Nanoribbons Induced by Chemical Gating with Amino Groups. ACS Nano, 2020, 14, 1895-1901.	14.6	23
33	Matrix element effects in angle-resolved valence band photoemission with polarized light from the Ni(111) surface. Physical Review B, 2006, 74, .	3.2	22
34	Rare-Earth Surface Alloying: A New Phase for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>GdAu</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 105, 016101.	7.8	22
35	Charge Redistribution and Transport in Molecular Contacts. Physical Review Letters, 2015, 115, 136101.	7.8	22
36	Electronic States and Exciton Dynamics in Dicyanovinyl-Sexithiophene on Au(111). Journal of Physical Chemistry C, 2016, 120, 27268-27275.	3.1	22

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37	display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>and CeAu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>surface intermetallic compounds grown by high-temperature deposition on Au(111). Physical Review B, 2013, 88, .	3.2	21
38	Structure and electronic states of vicinal Ag(111) surfaces with densely kinked steps. New Journal of Physics, 2018, 20, 073010.	2.9	21
39	Exchange splitting of the three<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover accent="true"><mml:mi>Î“</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:math>surface states of Ni(111) from three-dimensional spin- and angle-resolved photoemission spectroscopy. Physical Review B, 2009, 80, .	3.2	19
40	Bottom-Up Fabrication of Atomically Precise Graphene Nanoribbons. Advances in Atom and Single Molecule Machines, 2018, , 113-152.	0.0	19
41	Self-organized growth of high density magnetic Co nanodot arrays on a MoirÃ© template. Applied Physics Letters, 2010, 96, .	3.3	18
42	A Large Starphene Comprising Pentacene Branches. Angewandte Chemie - International Edition, 2021, 60, 7752-7758.	13.8	18
43	Fermi surfaces of single layer dielectrics on transition metals. Surface Science, 2009, 603, 1373-1377.	1.9	17
44	Quantum well and resonance-band split off in a K monolayer on Cu(111). Physical Review B, 2008, 77, .	3.2	16
45	Lifshitz Transition across the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ag</mml:mi><mml:mo>/</mml:mo><mml:mi>Cu</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td (stretchy="false">Review Letters, 2011, 107, 066803.	7.8	15
46	Robust Spin Polarization and Spin Textures on Stepped Au(111) Surfaces. Physical Review Letters, 2010, 104, 187602.	7.8	14
47	Electroluminescence of copper-nitride nanocrystals. Physical Review B, 2014, 90, .	3.2	14
48	Understanding Periodic Dislocations in 2D Supramolecular Crystals: The PFP/Ag(111) Interface. Journal of Physical Chemistry Letters, 2012, 3, 848-852.	4.6	13
49	Effects of Lattice Expansion on the Reactivity of a One-Dimensional Oxide. Journal of the American Chemical Society, 2009, 131, 3253-3259.	13.7	12
50	Influence of 4f filling on electronic and magnetic properties of rare earth-Au surface compounds. Nanoscale, 2020, 12, 22258-22267.	5.6	11
51	Water Production Reaction on Rh(110). Journal of the American Chemical Society, 2005, 127, 11454-11459.	13.7	10
52	Modifying the Cu(111) Shockley surface state by Au alloying. Physical Review B, 2012, 86, .	3.2	10
53	A Large Starphene Comprising Pentacene Branches. Angewandte Chemie, 2021, 133, 7831-7837.	2.0	8
54	Metallic thin films on stepped surfaces: lateral scattering of quantum well states. New Journal of Physics, 2014, 16, 123025.	2.9	6

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55	Interplay between electronic states and structure during Au faceting. New Journal of Physics, 2008, 10, 113017.	2.9	5
56	Synthesis of Graphene Nanoribbons on a Kinked Au Surface: Revealing the Frontier Valence Band at the Brillouin Zone Center. Journal of Physical Chemistry C, 2020, 124, 15474-15480.	3.1	5
57	Band Structure and Energy Level Alignment of Chiral Graphene Nanoribbons on Silver Surfaces. Nanomaterials, 2021, 11, 3303.	4.1	5
58	Reversible electron-inducedcisâ€“transisomerization mediated by intermolecular interactions. Journal of Physics Condensed Matter, 2012, 24, 394016.	1.8	4
59	Atomic-scale forces induced by a hydrogen molecule trapped in a tunneling junction. Surface Science, 2018, 678, 189-193.	1.9	4
60	Direct Imaging of the Inducedâ€Fit Effect in Molecular Selfâ€Assembly. Small, 2019, 15, 1804713.	10.0	3
61	Why a Good Catalyst Can Turn Out Detrimental to Good Polymerization. Journal of Physical Chemistry C, 2021, 125, 5066-5075.	3.1	3
62	Onâ€Surface Synthesis and Collective Spin Excitations of a Trianguleneâ€Based Nanostar. Angewandte Chemie, 0, , .	2.0	3
63	Boron Nitride Nanomesh.. ChemInform, 2004, 35, no.	0.0	2
64	Topological engineering for metallic polymers. Nature Nanotechnology, 2020, 15, 421-423.	31.5	2
65	Challenges in the synthesis of corannulene-based non-planar nanographenes on Au(111) surfaces. Physical Chemistry Chemical Physics, 2021, 23, 10845-10851.	2.8	2
66	LUMO photoemission lineshape in quasi-one-dimensionalC60chains. Physical Review B, 2010, 81, .	3.2	0
67	Correction to â€œUnderstanding Periodic Dislocations in 2D Supramolecular Crystals: The PFP/Ag(111) Interfaceâ€. Journal of Physical Chemistry Letters, 2012, 3, 3159-3159.	4.6	0
68	InnenrÃ¼cktitelbild: A Large Starphene Comprising Pentacene Branches (Angew. Chem. 14/2021). Angewandte Chemie, 2021, 133, 8059-8059.	2.0	0
69	Electronic States of Vicinal Surfaces. Springer Handbooks, 2020, , 351-385.	0.6	0
70	Frontispiece: Onâ€Surface Synthesis and Collective Spin Excitations of a Trianguleneâ€Based Nanostar. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
71	Frontispiz: Onâ€Surface Synthesis and Collective Spin Excitations of a Trianguleneâ€Based Nanostar. Angewandte Chemie, 2021, 133, .	2.0	0