Martina Corso

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Magnetic Interactions Between Radical Pairs in Chiral Graphene Nanoribbons. Nano Letters, 2022, 22, 164-171.	9.1	29
2	Aza-Triangulene: On-Surface Synthesis and Electronic and Magnetic Properties. Journal of the American Chemical Society, 2022, 144, 4522-4529.	13.7	49
3	InnenrÃ¼cktitelbild: A Large Starphene Comprising Pentacene Branches (Angew. Chem. 14/2021). Angewandte Chemie, 2021, 133, 8059-8059.	2.0	0
4	Why a Good Catalyst Can Turn Out Detrimental to Good Polymerization. Journal of Physical Chemistry C, 2021, 125, 5066-5075.	3.1	3
5	A Large Starphene Comprising Pentacene Branches. Angewandte Chemie - International Edition, 2021, 60, 7752-7758.	13.8	18
6	A Large Starphene Comprising Pentacene Branches. Angewandte Chemie, 2021, 133, 7831-7837.	2.0	8
7	Topological phase transition in chiral graphene nanoribbons: from edge bands to end states. Nature Communications, 2021, 12, 5538.	12.8	66
8	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
9	Onâ€Surface Synthesis and Collective Spin Excitations of a Triangleneâ€Based Nanostar. Angewandte Chemie - International Edition, 2021, 60, 25224-25229.	13.8	66
10	Frontispiece: Onâ€Surface Synthesis and Collective Spin Excitations of a Triangleneâ€Based Nanostar. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
11	Frontispiz: Onâ€Surface Synthesis and Collective Spin Excitations of a Triangleneâ€Based Nanostar. Angewandte Chemie, 2021, 133, .	2.0	0
12	Band Structure and Energy Level Alignment of Chiral Graphene Nanoribbons on Silver Surfaces. Nanomaterials, 2021, 11, 3303.	4.1	5
13	Influence of 4f filling on electronic and magnetic properties of rare earth-Au surface compounds. Nanoscale, 2020, 12, 22258-22267.	5.6	11
14	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
15	Band Depopulation of Graphene Nanoribbons Induced by Chemical Gating with Amino Groups. ACS Nano, 2020, 14, 1895-1901.	14.6	23
16	Topological engineering for metallic polymers. Nature Nanotechnology, 2020, 15, 421-423.	31.5	2
17	Electronic States of Vicinal Surfaces. Springer Handbooks, 2020, , 351-385.	0.6	0
18	Direct Imaging of the Inducedâ€Fit Effect in Molecular Selfâ€Assembly. Small, 2019, 15, 1804713.	10.0	3

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19	Single spin localization and manipulation in graphene open-shell nanostructures. Nature Communications, 2019, 10, 200.	12.8	134
20	Survival of spin state in magnetic porphyrins contacted by graphene nanoribbons. Science Advances, 2018, 4, eaaq0582.	10.3	71
21	Unraveling the Electronic Structure of Narrow Atomically Precise Chiral Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2018, 9, 25-30.	4.6	41
22	Structure and electronic states of vicinal Ag(111) surfaces with densely kinked steps. New Journal of Physics, 2018, 20, 073010.	2.9	21
23	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
24	Atomic-scale forces induced by a hydrogen molecule trapped in a tunneling junction. Surface Science, 2018, 678, 189-193.	1.9	4
25	Bottom-Up Fabrication of Atomically Precise Graphene Nanoribbons. Advances in Atom and Single Molecule Machines, 2018, , 113-152.	0.0	19
26	Quantum Dots Embedded in Graphene Nanoribbons by Chemical Substitution. Nano Letters, 2017, 17, 50-56.	9.1	56
27	Doping of Graphene Nanoribbons via Functional Group Edge Modification. ACS Nano, 2017, 11, 7355-7361.	14.6	78
28	Width-Dependent Band Gap in Armchair Graphene Nanoribbons Reveals Fermi Level Pinning on Au(111). ACS Nano, 2017, 11, 11661-11668.	14.6	149
29	Graphene Tunable Transparency to Tunneling Electrons: A Direct Tool To Measure the Local Coupling. ACS Nano, 2016, 10, 5131-5144.	14.6	23
30	Substrate-Independent Growth of Atomically Precise Chiral Graphene Nanoribbons. ACS Nano, 2016, 10, 9000-9008.	14.6	155
31	Electronic States and Exciton Dynamics in Dicyanovinyl-Sexithiophene on Au(111). Journal of Physical Chemistry C, 2016, 120, 27268-27275.	3.1	22
32	Charge Redistribution and Transport in Molecular Contacts. Physical Review Letters, 2015, 115, 136101.	7.8	22
33	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
34	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
35	Metallic thin films on stepped surfaces: lateral scattering of quantum well states. New Journal of Physics, 2014, 16, 123025.	2.9	6
36	Electroluminescence of copper-nitride nanocrystals. Physical Review B, 2014, 90, .	3.2	14

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37	Orbital Redistribution in Molecular Nanostructures Mediated by Metalâ€“Organic Bonds. ACS Nano, 2014, 8, 10715-10722.	14.6	36
38	LaAu<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>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
39	Modifying the Cu(111) Shockley surface state by Au alloying. Physical Review B, 2012, 86, .	3.2	10
40	Driving a Macroscopic Oscillator with the Stochastic Motion of a Hydrogen Molecule. Science, 2012, 338, 779-782.	12.6	44
41	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
42	Understanding Periodic Dislocations in 2D Supramolecular Crystals: The PFP/Ag(111) Interface. Journal of Physical Chemistry Letters, 2012, 3, 848-852.	4.6	13
43	Reversible electron-inducedcisâ€“transisomerization mediated by intermolecular interactions. Journal of Physics Condensed Matter, 2012, 24, 394016.	1.8	4
44	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (stretchy="false">)</mm Review Letters, 2011, 107, 066803.	7.8	15
45	Interplay between structure and electronic states in step arrays explored with curved surfaces. Physical Review B, 2011, 83, .	3.2	36
46	LUMO photoemission lineshape in quasi-one-dimensionalC60chains. Physical Review B, 2010, 81, .	3.2	0
47	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
48	Self-organized growth of high density magnetic Co nanodot arrays on a MoirÃ© template. Applied Physics Letters, 2010, 96, .	3.3	18
49	Au(111)-Based Nanotemplates by Gd Alloying. ACS Nano, 2010, 4, 1603-1611.	14.6	50
50	Robust Spin Polarization and Spin Textures on Stepped Au(111) Surfaces. Physical Review Letters, 2010, 104, 187602.	7.8	14
51	Lateral engineering of surface states â€“ towards surface-state nanoelectronics. Nanoscale, 2010, 2, 717.	5.6	27
52	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
53	Electronic states in faceted Au(111) studied with curved crystal surfaces. Journal of Physics Condensed Matter, 2009, 21, 353001.	1.8	24
54	Customized Electronic Coupling in Selfâ€Assembled Donorâ€“Acceptor Nanostructures. Advanced Functional Materials, 2009, 19, 3567-3573.	14.9	52

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55	Fermi surfaces of single layer dielectrics on transition metals. Surface Science, 2009, 603, 1373-1377.	1.9	17
56	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
57	Interplay between electronic states and structure during Au faceting. New Journal of Physics, 2008, 10, 113017.	2.9	5
58	Quantum well and resonance-band split off in a K monolayer on Cu(111). Physical Review B, 2008, 77, .	3.2	16
59	Self-Assembly of a Hexagonal Boron Nitride Nanomesh on Ru(0001). Langmuir, 2007, 23, 2928-2931.	3.5	216
60	Boron Nitride Nanomesh: Functionality from a Corrugated Monolayer. Angewandte Chemie - International Edition, 2007, 46, 5115-5119.	13.8	209
61	Surface X-ray diffraction study of boron-nitride nanomesh in air. Surface Science, 2007, 601, L7-L10.	1.9	51
62	Tunable self-assembly of one-dimensional nanostructures with orthogonal directions. Nanoscale Research Letters, 2007, 2, 94-99.	5.7	42
63	Single layer hexagonal boron nitride films on Ni(110). E-Journal of Surface Science and Nanotechnology, 2006, 4, 410-413.	0.4	41
64	Formation of single layer h-BN on Pd(111). Surface Science, 2006, 600, 3280-3284.	1.9	148
65	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
66	h-BN on Pd(110): a tunable system for self-assembled nanostructures?. Surface Science, 2005, 577, L78-L84.	1.9	79
67	Water Production Reaction on Rh(110). Journal of the American Chemical Society, 2005, 127, 11454-11459.	13.7	10
68	Two-Step Reaction on a Strained, Nanoscale Segmented Surface. Physical Review Letters, 2004, 93, 126104.	7.8	28
69	Boron Nitride Nanomesh.. ChemInform, 2004, 35, no.	0.0	2
70	Boron Nitride Nanomesh. Science, 2004, 303, 217-220.	12.6	864
71	Onâ€Surface Synthesis and Collective Spin Excitations of a Triangleneâ€Based Nanostar. Angewandte Chemie, 0, , .	2.0	3