

# Paolo Moras

## List of Publications by Year in descending order

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96  
papers

2,939  
citations

236612

25  
h-index

168136

53  
g-index

99  
all docs

99  
docs citations

99  
times ranked

4457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of graphene-like electronic signature in silicene nanoribbons. Applied Physics Letters, 2010, 96, .	1.5	555
2	Experimental realization of two-dimensional Dirac nodal line fermions in monolayer Cu <sub>2</sub> Si. Nature Communications, 2017, 8, 1007.	5.8	219
3	Synthesis of mesoscale ordered two-dimensional $\pi$ -conjugated polymers with semiconducting properties. Nature Materials, 2020, 19, 874-880.	13.3	158
4	Mixed-valence behavior and strong correlation effects of metal phthalocyanines adsorbed on metals. Physical Review B, 2011, 83, .	1.1	128
5	Highly Anisotropic Dirac Cones in Epitaxial Graphene Modulated by an Island Superlattice. Physical Review Letters, 2010, 105, 246803.	2.9	121
6	Spin texture in type-II Weyl semimetal $WTe_2$ . Physical Review B, 2016, 94, .		
7	Silicene on Ag(111): A honeycomb lattice without Dirac bands. Physical Review B, 2014, 89, .	1.1	102
8	Giant spin and orbital moment anisotropies of a Cu-phthalocyanine monolayer. Physical Review B, 2010, 82, .	1.1	98
9	Large Band Gap Opening between Graphene Dirac Cones Induced by Na Adsorption onto an Ir Superlattice. ACS Nano, 2012, 6, 199-204.	7.3	76
10	Spin Tuning of Electron-Doped Metal-Phthalocyanine Layers. Journal of the American Chemical Society, 2014, 136, 5451-5459.	6.6	74
11	Coexistence of multiple silicene phases in silicon grown on Ag(111). Journal of Physics Condensed Matter, 2014, 26, 185001.	0.7	73
12	Surface Modification of ZnO(0001)-Zn with Phosphonate-Based Self-Assembled Monolayers: Binding Modes, Orientation, and Work Function. Chemistry of Materials, 2014, 26, 5042-5050.	3.2	66
13	Electronic and geometric structure of graphene/SiC(0001) decoupled by lithium intercalation. Physical Review B, 2015, 91, .	1.1	56
14	Artificially lattice-mismatched graphene/metal interface: Graphene/Ni/Ir(111). Physical Review B, 2013, 87, .	1.1	53
15	Coupling of single, double, and triple-decker metal-phthalocyanine complexes to ferromagnetic and antiferromagnetic substrates. Surface Science, 2014, 630, 361-374.	0.8	49
16	Self-Assembled Nanometer-Scale Magnetic Networks on Surfaces: Fundamental Interactions and Functional Properties. Advanced Functional Materials, 2011, 21, 1212-1228.	7.8	48
17	Probing the Ground State Electronic Structure of a Correlated Electron System by Quantum Well States: Ag/Ni(111). Physical Review Letters, 2005, 95, 247601.	2.9	45
18	Electronic States of Silicene Allotropes on Ag(111). ACS Nano, 2017, 11, 975-982.	7.3	45

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19	Temperature Driven Phase Transition at the Antimonene/Bi <sub>2</sub> Se <sub>3</sub> van der Waals Heterostructure. ACS Nano, 2019, 13, 10481-10489.	7.3	45
20	Electronic structure of graphene/Co interfaces. Physical Review B, 2014, 90, .	1.1	41
21	Varying molecular interactions by coverage in supramolecular surface chemistry. Chemical Communications, 2012, 48, 534-536.	2.2	34
22	Hybridization of graphene and a Ag monolayer supported on Re(0001). Physical Review B, 2013, 88, .	1.1	32
23	Is graphene on copper doped?. Physica Status Solidi - Rapid Research Letters, 2013, 7, 643-646.	1.2	30
24	Evidence for a diamondlike electronic band structure of Si multilayers on Ag(111). Physical Review B, 2015, 92, .	1.1	27
25	Direct Spectroscopic Evidence of Spin-Dependent Hybridization between Rashba-Split Surface States and Quantum-Well States. Physical Review Letters, 2010, 104, 156805.	2.9	26
26	Evidence of $\hat{\Gamma}_2$ -antimonene at the Sb/Bi <sub>2</sub> Se <sub>3</sub> interface. Nanotechnology, 2018, 29, 065704.	1.3	26
27	Evaluation of the donor ability of phenanthrolines in iridium complexes by means of synchrotron radiation photoemission spectroscopy and DFT calculations. Dalton Transactions, 2007, , 133-142.	1.6	25
28	Influence of the substrate bands on the sp-levels topology of Ag films on Ge(111). Physical Review B, 2009, 80, .	1.1	24
29	Quasicrystalline Electronic States of a One-Dimensionally Modulated Ag Film. Physical Review Letters, 2006, 96, 156401.	2.9	23
30	Magnetization-dependent Rashba splitting of quantum well states at the Co/W interface. Physical Review B, 2015, 91, .	1.1	23
31	Correlated Electrons Step by Step: Itinerant-to-Localized Transition of Fe Impurities in Free-Electron Metal Hosts. Physical Review Letters, 2010, 104, 117601.	2.9	22
32	Spin-orbit interaction and Dirac cones in d-orbital noble metal surface states. Physical Review B, 2015, 91, .	1.1	22
33	Indirect chiral magnetic exchange through Dzyaloshinskii-Moriya-enhanced RKKY interactions in manganese oxide chains on Ir(100). Nature Communications, 2019, 10, 2610.	5.8	22
34	Synthesis of SiC on Si(111) at moderate temperatures by supersonic C60 beams. Applied Surface Science, 2001, 184, 350-355.	3.1	21
35	Two Distinct Phases of Bilayer Graphene Films on Ru(0001). ACS Nano, 2012, 6, 9299-9304.	7.3	21
36	Probing Quasiparticle States Bound by Disparate Periodic Potentials. Physical Review Letters, 2006, 97, 206802.	2.9	20

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37	Quantum size effects arising from incompatible point-group symmetries: Angle-resolved photoemission study. <i>Physical Review B</i> , 2006, 74, .	1.1	20
38	Asymmetric band gaps in a Rashba film system. <i>Physical Review B</i> , 2016, 93, .	1.1	19
39	Dose and wavelength dependent study of graphene oxide photoreduction with VUV Synchrotron radiation. <i>Carbon</i> , 2014, 79, 478-485.	5.4	18
40	Ultrafast spin-switching of a ferrimagnetic alloy at room temperature traced by resonant magneto-optical Kerr effect using a seeded free electron laser. <i>Review of Scientific Instruments</i> , 2015, 86, 083901.	0.6	18
41	Absence of Dirac cones in monolayer silicene and multilayer Si films on Ag(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017, 219, 2-8.	0.8	18
42	Adsorption of d-alanine on Cu(100). <i>Surface Science</i> , 2007, 601, 2562-2565.	0.8	17
43	Topologization of $\hat{I}^2$ -antimonene on Bi <sub>2</sub> Se <sub>3</sub> via proximity effects. <i>Scientific Reports</i> , 2020, 10, 14619.	1.6	17
44	Hydrogen-induced metallization of a preoxidized 3C-SiC(100) $3\bar{A}-2$ surface. <i>Applied Physics Letters</i> , 2004, 85, 4893-4895.	1.5	16
45	Isotopic effect in deuterium-induced semiconductor surface metallization: $D\hat{\alpha}^3C\hat{\alpha}SiC(100) 3\bar{A}-2$ . <i>Applied Physics Letters</i> , 2006, 89, 042114.	1.5	12
46	Probing the electronic transmission across a buried metal/metal interface. <i>Physical Review B</i> , 2010, 82, .	1.1	11
47	Enhanced spin relaxation in an ultrathin metal film by the Rashba-type surface. <i>Physical Review B</i> , 2011, 83, .	1.1	11
48	Nearly-free electronlike surface resonance of a $\hat{I}^2$ -antimonene on Bi <sub>2</sub> Se <sub>3</sub> surface. <i>Physical Review B</i> , 2015, 91, .	1.1	11
49	Energy-momentum mapping of d-derived Au(111) states in a thin film. <i>Physical Review B</i> , 2016, 93, .	1.1	11
50	Hidden phase in parent Fe-pnictide superconductors. <i>Physical Review B</i> , 2018, 97, .	1.1	11
51	Low-temperature insulating phase of the Si <sub>3</sub> N <sub>4</sub> /Si(111) interface. <i>Physical Review B</i> , 2020, 102, .		
52	Influence of 4f filling on electronic and magnetic properties of rare earth-Au surface compounds. <i>Nanoscale</i> , 2020, 12, 22258-22267.	2.8	11
53	Thermal behavior of the Au/c-Si <sub>3</sub> N <sub>4</sub> /Si(111) interface. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	10
54	Electronic structure of epitaxial graphene grown on stepped Pt(997). <i>Physical Review B</i> , 2014, 89, .	1.1	10

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55	Depth-resolved core level spectroscopy of noncentrosymmetric solid BiPd. Physical Review B, 2020, 101, .	1.1	8
56	Thermal stability of the Co $\sqrt{2}$ -Si $3$ N $4$ /Si(111) interface: A photoemission study. Surface Science, 2012, 606, 1215-1220.	0.8	7
57	Anisotropic electronic conduction in metal nanofilms grown on a one-dimensional surface superstructure. Physical Review B, 2014, 89, .	1.1	7
58	Massless Dirac cones in graphene: Experiments and theory. Annalen Der Physik, 2014, 526, 387-394.	0.9	7
59	Interface electronic structure at the topological insulator–ferrimagnetic insulator junction. Journal of Physics Condensed Matter, 2017, 29, 055002.	0.7	7
60	SiC(1 0 0) ordered film growth by C $60$ decomposition on Si(1 0 0) surfaces. Applied Surface Science, 2001, 184, 50-54.	3.1	6
61	One-Dimensional $3d$ Electronic Bands of Monatomic Cu Chains. Physical Review Letters, 2008, 101, 036807.	2.9	6
62	Electronic states of moiré modulated Cu films. Journal of Physics Condensed Matter, 2012, 24, 335502.	0.7	6
63	Signature of surface periodicity in the electronic structure of Si(111)-(7 $\times$ 7). Journal of Physics Condensed Matter, 2017, 29, 215001.	0.7	6
64	Growth, morphology and stability of Au in contact with the Bi $2$ Se $3$ (001) surface. Applied Surface Science, 2019, 471, 753-758.	3.1	6
65	A novel free-electron laser single-pulse Wollaston polarimeter for magneto-dynamical studies. Structural Dynamics, 2021, 8, 034304.	0.9	6
66	Clarifying the apparent flattening of the graphene band near the van Hove singularity. Physical Review B, 2022, 105, .	1.1	6
67	Dirac states in the noncentrosymmetric superconductor BiPd. Physical Review B, 2021, 103, .	1.1	5
68	Emergence of well-screened states in a superconducting material of the $\text{CaFe}_2$ family. Physical Review B, 2021, 104, .		
69	Controlling the Topology of Fermi Surfaces in Metal Nanofilms. Physical Review Letters, 2012, 109, 026802.	2.9	4
70	Electronic properties and photoelectron circular dichroism of adsorbed chiral molecules. Physical Review B, 2015, 91, .	1.1	4
71	Surface, final state, and spin effects in the valence-band photoemission spectra of LaCoO $3$ (001). Physical Review B, 2017, 96, .	1.1	4
72	Insight into the electronic structure of semiconducting $\mu\text{-GaSe}$ and $\mu\text{-InSe}$ . Physical Review Materials, 2020, 4, .	0.9	4

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73	Initial nitride formation at Si <sup>3</sup> C/SiC(100)3Å–2 interface by oxynitridation. Applied Physics Letters, 2005, 87, 193110.	1.5	3
74	Metal-to-insulator transition in thin-film polymericAC60. New Journal of Physics, 2009, 11, 023035.	1.2	3
75	Electron Confinement Effects in Silver Films Embedded between Graphene and Metallic Substrates. Journal of Physical Chemistry C, 2019, 123, 9764-9769.	1.5	3
76	Electronic band structure of three-dimensional topological insulators with different stoichiometry composition. Physical Review B, 2020, 102, .	1.1	3
77	Quantum well band formation in Ag films on InSb(111). Journal of Physics Condensed Matter, 2009, 21, 355502.	0.7	2
78	Electronic structure of the Ge/Si(1%5) hetero-interface: an ARPES and DFT study. Journal of Physics Condensed Matter, 2018, 30, 465502.	0.7	2
79	Advanced Photoelectron Spectroscopies. , 2019, , 113-157.		2
80	A spectroscopy and microscopy study of silicon nanoclusters grown on $\hat{1}^2$ -Si3N4(0%0%1)/Si(1%1) interface. Applied Surface Science, 2019, 466, 59-62.	3.1	2
81	Electronic properties of phases in the quasi-binary Bi <sub>2</sub> Se <sub>3</sub> Bi <sub>2</sub> S <sub>3</sub> system. Journal of Materials Chemistry C, 2021, 9, 3058-3064.	2.7	2
82	Effect of a subnanometer thin insulator layer at the Ag/Si(111) interface through the observation of quantum well states. Physical Review Materials, 2021, 5, .	0.9	2
83	One-dimensional Rashba states with unconventional spin texture in Bi chains. Physical Review B, 2022, 106, .	1.1	2
84	Electronic structure study of ultrathin Ag(111) films modified by a Si(111) substrate and $\sqrt{3}$ imes $\sqrt{3}$ Ag <sub>2</sub> Bi surface. Journal of Physics Condensed Matter, 2012, 24, 115501.	0.7	1
85	Interplay between electronic and structural properties in the Pb/Ag(1 0 0) interface. Journal of Physics Condensed Matter, 2015, 27, 455502.	0.7	1
86	Spin-polarized confined states in Ag films on Fe(1%0). Journal of Physics Condensed Matter, 2017, 29, 495806.	0.7	1
87	From Cr carbide to Cr oxide through a graphene layer. Applied Surface Science, 2022, 599, 153926.	3.1	1
88	Hydrogen Nanochemistry Achieving Clean and Pre-Oxidized Silicon Carbide Surface Metallization. Materials Science Forum, 2006, 527-529, 667-672.	0.3	0
89	Publisher's Note: Correlated Electrons Step by Step: Itinerant-to-Localized Transition of Fe Impurities in Free-Electron Metal Hosts [Phys. Rev. Lett. 104, 117601 (2010)]. Physical Review Letters, 2010, 104, .	2.9	0
90	Spectroscopic signatures of an ordered array of independent Ag heptamers. Journal of Physics Condensed Matter, 2015, 27, 305502.	0.7	0

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91	Reference plane for the electronic states in thin films on stepped surfaces. Physical Review B, 2021, 103, .	1.1	0
92	Anomalous spectral evolution with bulk sensitivity in BiPd. AIP Conference Proceedings, 2020, , .	0.3	0
93	Topological properties and self-energy effects in elemental Yb. Physical Review B, 2021, 104, .	1.1	0
94	Doping induced band renormalization in 122-type Fe-based superconductor. Journal of Physics: Conference Series, 2022, 2164, 012004.	0.3	0
95	Surface states in noncentrosymmetric superconductor BiPd. Journal of Physics: Conference Series, 2022, 2164, 012062.	0.3	0
96	Ag growth on the Ag <sub>2</sub> Bi Rashba alloy. Surface Science, 2022, , 122125.	0.8	0