

Antonio Tejada

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7240870/publications.pdf>

Version: 2024-02-01

82
papers

3,000
citations

257450

24
h-index

161849

54
g-index

86
all docs

86
docs citations

86
times ranked

4798
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional ballistic transport in epitaxial graphene nanoribbons. Nature, 2014, 506, 349-354.	27.8	508
2	First Direct Observation of a Nearly Ideal Graphene Band Structure. Physical Review Letters, 2009, 103, 226803.	7.8	399
3	Graphene nanoribbons: fabrication, properties and devices. Journal Physics D: Applied Physics, 2016, 49, 143001.	2.8	175
4	A wide-bandgap metal-semiconductor-metal nanostructure made entirely from graphene. Nature Physics, 2013, 9, 49-54.	16.7	174
5	Uniform Magnetic Properties for an Ultrahigh-Density Lattice of Noninteracting Co Nanostructures. Physical Review Letters, 2005, 95, 157204.	7.8	148
6	Semiconducting Graphene from Highly Ordered Substrate Interactions. Physical Review Letters, 2015, 115, 136802.	7.8	141
7	Symmetry breaking in commensurate graphene rotational stacking: Comparison of theory and experiment. Physical Review B, 2011, 83, .	3.2	96
8	Narrow Linewidth Excitonic Emission in Organic-Inorganic Lead Iodide Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2016, 7, 5093-5100.	4.6	83
9	Charge transfer and electronic doping in nitrogen-doped graphene. Scientific Reports, 2015, 5, 14564.	3.3	79
10	Observation of a Mott Insulating Ground State for Sn/Ge(111) at Low Temperature. Physical Review Letters, 2006, 96, 126103.	7.8	67
11	Atomic Structure of Epitaxial Graphene Sidewall Nanoribbons: Flat Graphene, Miniribbons, and the Confinement Gap. Nano Letters, 2015, 15, 182-189.	9.1	67
12	Multilayer epitaxial graphene grown on the surface; structure and electronic properties. Journal Physics D: Applied Physics, 2010, 43, 374006.	2.8	66
13	Spin-Polarized Electron Tunneling in $\text{FeCo}/\text{MgO}/\text{FeCo}$ Tunnel Junctions. Physical Review Letters, 2006, 96, 176602.	7.8	56
14	Refractive indices of rutile as a function of temperature and wavelength. Journal of Applied Physics, 1997, 82, 994-997.	2.5	54
15	Emergence of multiple Fermi surface maps in angle-resolved photoemission from $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. Physical Review B, 2003, 67, .	3.2	44
16	ARPES and STS investigation of Shockley states in thin metallic films and periodic nanostructures. New Journal of Physics, 2007, 9, 391-391.	2.9	43
17	Distribution of the magnetic anisotropy energy of an array of self-ordered Co nanodots deposited on vicinal Au(111): X-ray magnetic circular dichroism measurements and theory. Physical Review B, 2006, 73, .	3.2	38
18	Wide-Gap Semiconducting Graphene from Nitrogen-Seeded SiC. Nano Letters, 2013, 13, 4827-4832.	9.1	36

#	ARTICLE	IF	CITATIONS
19	Band Gap Opening Induced by the Structural Periodicity in Epitaxial Graphene Buffer Layer. Nano Letters, 2017, 17, 2681-2689.	9.1	36
20	First determination of the valence band dispersion of $\text{CH}_3\text{NH}_3\text{PbI}_3$ hybrid organic-inorganic perovskite. Journal Physics D: Applied Physics, 2017, 50, 26LT02.	2.8	33
21	Direct observation of strong correlations near the band insulator regime of Bi misfit cobaltates. Physical Review B, 2007, 76, .	3.2	29
22	Fermi surface gapping and nesting in the surface phase transition of $\text{Sn}^{\wedge}\text{Cu}(100)$. Physical Review B, 2005, 72, .	3.2	28
23	Silicon intercalation into the graphene-SiC interface. Physical Review B, 2012, 85, .	3.2	28
24	Photoelectron diffraction study of the Si-rich $\text{SiC}(001)$ $(\sqrt{3}\times\sqrt{3})$ structure. Physical Review B, 2004, 70, .	3.2	26
25	Doping Graphene with Substitutional Mn. ACS Nano, 2021, 15, 5449-5458.	14.6	25
26	Structural Origin of the $\text{Sn}_4\text{Ge}_{111}$ Core Level Line Shape in $\text{Sn}_4\text{Ge}_{111}$		

#	ARTICLE	IF	CITATIONS
37	Electron correlation and many-body effects at interfaces on semiconducting substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 614-626.	1.8	16
38	Atomic structure determination of the $3\text{C-SiC}(001)c(4\sqrt{2})$ surface reconstruction: Experiment and theory. <i>Physical Review B</i> , 2007, 75, .	3.2	14
39	Structure of the indium-rich $\text{InSb}(001)$ surface. <i>Physical Review B</i> , 2010, 82, .	3.2	14
40	Superlattice-induced minigaps in graphene band structure due to underlying one-dimensional nanostructuration. <i>Physical Review B</i> , 2018, 97, .	3.2	14
41	Interacting quantum box superlattice by self-organized Co nanodots on Au(788). <i>Physical Review B</i> , 2007, 76, .	3.2	13
42	Uncertainty principle for experimental measurements: Fast versus slow probes. <i>Scientific Reports</i> , 2016, 6, 19728.	3.3	13
43	First principles simulations of energy and polarization dependent angle-resolved photoemission spectra of Bi2212 . <i>Journal of Physics and Chemistry of Solids</i> , 2002, 63, 2175-2180.	4.0	12
44	Giant Alkali-Metal-Induced Lattice Relaxation as the Driving Force of the Insulating Phase of Alkali-Metal/Si(111):B. <i>Physical Review Letters</i> , 2011, 107, 187603.	7.8	12
45	Graphene: from functionalization to devices. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 090201.	2.8	12
46	Edge states and ballistic transport in zigzag graphene ribbons: The role of SiC polytypes. <i>Physical Review B</i> , 2019, 100, .	3.2	12
47	The Fermi surface of $\text{Sn/Ge}(111)$ and $\text{Pb/Ge}(111)$. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 355008.	1.8	11
48	Time-resolved photoemission spectroscopy of electronic cooling and localization in $\text{CH}_3\text{NH}_3\text{PbI}_3$ crystals. <i>Physical Review Materials</i> , 2017, 1, .	2.4	11
49	Interaction of atomic hydrogen with the $\text{SiC}(100) 3\sqrt{2}$ surface and subsurface. <i>Journal of Chemical Physics</i> , 2007, 127, 164716.	3.0	10
50	Spin reorientation transition and magnetic domain structure of Co ultrathin films grown on a faceted Au(455) surface. <i>Physical Review B</i> , 2008, 77, .	3.2	10
51	Bipolaronic insulator on Si_2CH_3 surface. <i>Physical Review B</i> , 2010, 82, .	3.2	10
52	Hydrogen-induced nanotunnel opening within semiconductor subsurface. <i>Nature Communications</i> , 2013, 4, .	12.8	10
53	Walking peptide on Au(110) surface: Origin and nature of interfacial process. <i>Surface Science</i> , 2014, 628, 21-29.	1.9	10
54	New electronic orderings observed in cobaltates under the influence of misfit periodicities. <i>Europhysics Letters</i> , 2010, 89, 37010.	2.0	9

#	ARTICLE	IF	CITATIONS
55	Absolute coverage determination in the K/Si(111):B-23Å—23R30Å surface. Physical Review B, 2011, 84, .	3.2	7
56	Electron-phonon coupling on strained Ge/Si(111)-(5\times5) surface. Physical Review B, 2011, 84, .	3.2	7
57	Fermi surface symmetry and evolution of the electronic structure across the paramagnetic-helimagnetic transition in MnSi/Si(111). Physical Review B, 2015, 92, .	3.2	7
58	Ultrafast Atomic Diffusion Inducing a Reversible(23Å—23)R30Å ⁺ →(3Å—3)R30Å ⁰ Transition onSn/Si(111)â [†] B. Physical Review Letters, 2015, 114, 196101.	7.8	7
59	Effective determination of surface potential landscapes from metal-organic nanoporous network overlayers. New Journal of Physics, 2019, 21, 053004.	2.9	7
60	Periodic magnetic anisotropy in ultrathin ferromagnetic films on faceted surfaces. Europhysics Letters, 2005, 71, 117-123.	2.0	6
61	Orbital origin and matrix element effects in the Ag/Si(111)-(1)R30Å ⁰ Fermi surface. Surface Science, 2007, 601, 742-747.	1.9	6
62	Matrix element effects on the Fermi surface mapping by angle resolved photoemission from Bi2Sr2CaCu2O8+ superconductors. Applied Surface Science, 2003, 212-213, 62-66.	6.1	5
63	Defect State Analysis in Ionâ€rradiated Amorphousâ€silicon Heterojunctions by HAXPES. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800655.	2.4	5
64	Experimental correlation between photoemission matrix elements and LEED intensities in superperiodic structures. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 441-447.	1.7	4
65	Surface electronic structure of InSb(001)-c(8Å—2). Surface Science, 2013, 608, 22-30.	1.9	4
66	The photoelectron diffraction technique applied to advanced materials. Journal of Physics Condensed Matter, 2004, 16, S3441-S3450.	1.8	3
67	Electronic properties of (Co, Ag) self-organized nano dots on Au(1â€%1) vicinal surfaces. Applied Surface Science, 2007, 254, 45-49.	6.1	3
68	A new long-range sub-structure found in the tetragonal phase of CH₃NH₃PbI₃ single crystals. Journal Physics D: Applied Physics, 2019, 52, 314001.	2.8	3
69	Hybrid perovskites for photovoltaics and optoelectronics. Journal Physics D: Applied Physics, 2020, 53, 070201.	2.8	3
70	Growth, morphology and electronic properties of epitaxial graphene on vicinal Ir(332) surface. Nanotechnology, 2020, 31, 285601.	2.6	3
71	Understanding the insulating nature of alkali-metal/Si(111):B interfaces. Journal of Physics Condensed Matter, 2013, 25, 094004.	1.8	2
72	Atomic and electronic structure of the2×2 surface reconstruction of Si(111):B. Physical Review B, 2014, 89, 115411.	1.7	2
	Electron Spectroscopy and Related Phenomena, 2014, 195, 174-178.		

#	ARTICLE	IF	CITATIONS
73	Substrate effect on the electronic properties of graphene on vicinal Pt(1 1 1). Applied Surface Science, 2021, 565, 150593.	6.1	2
74	Atomic Structure of Si-Rich 3C-SiC(001)-(3x2): a Photoelectron Diffraction Study. Materials Science Forum, 2003, 433-436, 579-582.	0.3	1
75	Electronic structure of $\text{Si}_x\text{Sn}(1\hat{x})/\text{Si}(111)-(3\hat{A}-3)R30\hat{A}^\circ$ phases. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1298-1301.	2.1	1
76	The dimensionality reduction at surfaces as a playground for many-body and correlation effects. Journal of Physics Condensed Matter, 2013, 25, 090301.	1.8	1
77	Comment on "Adsorption of hydrogen and hydrocarbon molecules on SiC(001)" by Pollmann et al. (Surf. Sci. Rep. 69 (2014) 55-104). Surface Science, 2016, 644, L170-L171.	1.9	1
78	Do 2D materials stack in a van der Waals fashion?. Journal Physics D: Applied Physics, 2017, 50, 351001.	2.8	1
79	Renormalization of the valence and conduction bands of $(\text{C}_{60}\text{H}_5\text{C}_2\text{H}_4\text{NH}_3)_2\text{PbI}_4$ hybrid perovskite. Journal Physics D: Applied Physics, 2021, 54, 365301.		1
80	The $(3\hat{A}-2)\hat{A}^2$ -SiC(001) surface reconstruction investigated by photoelectron diffraction in the backscattering regime. European Physical Journal Special Topics, 2006, 132, 49-55.	0.2	0
81	<small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	6.1	0
82	Les propriétés du graphène en mille-feuille. , 2013, , 84-89.	0.1	0