Antonio Tejeda

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	Doping Graphene with Substitutional Mn. ACS Nano, 2021, 15, 5449-5458.	14.6	25
2	Renormalization of the valence and conduction bands of (C₆H₅C₂H₄NH₃)₂PbI₄ hybrid perovskite. Journal Physics D: Applied Physics, 2021, 54, 365301.	2.8	1
3	Substrate effect on the electronic properties of graphene on vicinal Pt(1 1 1). Applied Surface Science, 2021, 565, 150593.	6.1	2
4	Hybrid perovskites for photovoltaics and optoelectronics. Journal Physics D: Applied Physics, 2020, 53, 070201.	2.8	3
5	Growth, morphology and electronic properties of epitaxial graphene on vicinal Ir(332) surface. Nanotechnology, 2020, 31, 285601.	2.6	3
6	Edge states and ballistic transport in zigzag graphene ribbons: The role of SiC polytypes. Physical Review B, 2019, 100, .	3.2	12
7	Defect State Analysis in Ionâ€Irradiated Amorphousâ€Silicon Heterojunctions by HAXPES. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800655.	2.4	5
8	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
9	Effective determination of surface potential landscapes from metal-organic nanoporous network overlayers. New Journal of Physics, 2019, 21, 053004.	2.9	7
10	Superlattice-induced minigaps in graphene band structure due to underlying one-dimensional nanostructuration. Physical Review B, 2018, 97, .	3.2	14
11	First determination of the valence band dispersion of CH₃NH₃PbI₃hybrid organicâ€“inorganic perovskite. Journal Physics D: Applied Physics, 2017, 50, 26LT02.	2.8	33
12	Band Gap Opening Induced by the Structural Periodicity in Epitaxial Graphene Buffer Layer. Nano Letters, 2017, 17, 2681-2689.	9.1	36
13	Wide Band Gap Semiconductor from a Hidden 2D Incommensurate Graphene Phase. Nano Letters, 2017, 17, 341-347.	9.1	24
14	Do 2D materials stack in a van der Waals fashion?. Journal Physics D: Applied Physics, 2017, 50, 351001.	2.8	1
15	Time-resolved photoemission spectroscopy of electronic cooling and localization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">CH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">NH</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">PbI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> crystals. Physical Review Materials, 2017, 1, .	2.4	11
16	Comment on â€œAdsorption of hydrogen and hydrocarbon molecules on SiC(001)â€•by Pollmann et al. (Surf. Sci. Rep. 69 (2014) 55â€“104). Surface Science, 2016, 644, L170-L171.	1.9	1
17	Narrow Linewidth Excitonic Emission in Organicâ€“Inorganic Lead Iodide Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2016, 7, 5093-5100.	4.6	83
18	Uncertainty principle for experimental measurements: Fast versus slow probes. Scientific Reports, 2016, 6, 19728.	3.3	13

#	Article	IF	Citations
19	Graphene nanoribbons: fabrication, properties and devices. Journal Physics D: Applied Physics, 2016, 49, 143001.	2.8	175
20	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
21	Semiconducting Graphene from Highly Ordered Substrate Interactions. Physical Review Letters, 2015, 115, 136802.	7.8	141
22	Charge transfer and electronic doping in nitrogen-doped graphene. Scientific Reports, 2015, 5, 14564.	3.3	79
23	Atomic Structure of Epitaxial Graphene Sidewall Nanoribbons: Flat Graphene, Miniribbons, and the Confinement Gap. Nano Letters, 2015, 15, 182-189.	9.1	67
24	Ultrafast Atomic Diffusion Inducing a Reversible(23Ã—23)R30Â°â†”(3Ã—3)R30Â°Transition onSn/Si(111)â^¶B. Physical Review Letters, 2015, 114, 196101.	7.8	7
25	Graphene: from functionalization to devices. Journal Physics D: Applied Physics, 2014, 47, 090201.	2.8	12
26	Exceptional ballistic transport in epitaxial graphene nanoribbons. Nature, 2014, 506, 349-354.	27.8	508
27	Atomic and electronic structure of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:msqrt><mml:mn>3</mml:mn></mml:msqrt><mml:mo>Ã—</mml:mo><mml:mn Electron Spectroscopy and Related Phenomena, 2014, 195, 174-178.	1.7	2
28	Walking peptide on Au(110) surface: Origin and nature of interfacial process. Surface Science, 2014, 628, 21-29.	1.9	10
29	Wide-Gap Semiconducting Graphene from Nitrogen-Seeded SiC. Nano Letters, 2013, 13, 4827-4832.	9.1	36
30	Understanding the insulating nature of alkali-metal/Si(111):B interfaces. Journal of Physics Condensed Matter, 2013, 25, 094004.	1.8	2
31	A wide-bandgap metalâ€“semiconductorâ€“metal nanostructure made entirely from graphene. Nature Physics, 2013, 9, 49-54.	16.7	174
32	The <mml:math altimg="si6.gif" overflow="scroll" 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:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	6.1	0
33	Surface electronic structure of InSb(001)-c(8Ã—2). Surface Science, 2013, 608, 22-30.	1.9	4
34	Hydrogen-induced nanotunnel opening within semiconductor subsurface. Nature Communications, 2013, 4, .	12.8	10
35	Competing charge ordering and Mott phases in a correlated Sn/Ge(111) two-dimensional triangular lattice. Physical Review B, 2013, 88, .	3.2	23
36	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

#	Article	IF	Citations
37	Les propriÃ©tÃ©s du graphÃ¨ne en mille-feuille. , 2013, , 84-89.	0.1	0
38	Silicon intercalation into the graphene-SiC interface. Physical Review B, 2012, 85, .	3.2	28
39	Electron-phonon coupling on strained Ge/Si(111)-(5<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (xmlns:mml="h	3.2	7
40	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
41	High van Hove singularity extension and Fermi velocity increase in epitaxial graphene functionalized by intercalated gold clusters. Physical Review B, 2012, 85, .	3.2	24
42	Electronic structure of epitaxial graphene grown on the C-face of SiC and its relation to the structure. New Journal of Physics, 2012, 14, 125007.	2.9	18
43	Electron correlation and manyâ€body effects at interfaces on semiconducting substrates. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 614-626.	1.8	16
44	Spin-Polarized Electron Tunneling in bcc<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>FeCo</mml:mi><mml:mo>/</mml:mo><mml:mi>MgO</mml:mi><mml:mo>/</mml:mo><mml:mi>FeCo</mml stretchy="false">(</mml:mo><mml:mn>001</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (stretchy="false">)</mn	7.8	56
45	176602. Symmetry breaking in commensurate graphene rotational stacking: Comparison of theory and experiment. Physical Review B, 2011, 83, .	3.2	96
46	Absolute coverage determination in the K/Si(111):B-23Ã—23R30â˜surface. Physical Review B, 2011, 84, .	3.2	7
47	Giant Alkali-Metal-Induced Lattice Relaxation as the Driving Force of the Insulating Phase of Alkali-Metal/Si(111):B. Physical Review Letters, 2011, 107, 187603.	7.8	12
48	New electronic orderings observed in cobaltates under the influence of misfit periodicities. Europhysics Letters, 2010, 89, 37010.	2.0	9
49	Experimental Study of the Incoherent Spectral Weight in the Photoemission Spectra of the Misfit Cobaltate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">[</mml:mo><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ba</mml mathvariant="bold">O</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo stretchy="false">]</mml:mo><mml:mo stretchy="false">[</mml:mo><mml:msub><mml:mi>CoO</mml:mi><mml:m. Physical Review Letters, 2010,	7.8	18
50	Multilayer epitaxial graphene grown on the surface; structure and electronic properties. Journal Physics D: Applied Physics, 2010, 43, 374006.	2.8	66
51	Structure of the indium-rich InSb(001) surface. Physical Review B, 2010, 82, .	3.2	14
52	Bipolaronic insulator on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>alkali</mml:mtext><mml:mo>/</mml:mo><mml:mtext>Si</mml:mtext></mml:mrow><mml:r Physical Review B, 2010, 82, .	3.2	10
53	First Direct Observation of a Nearly Ideal Graphene Band Structure. Physical Review Letters, 2009, 103, 226803.	7.8	399
54	Growth of iron on gold (788) vicinal surface: From nanodots to step flow. Surface Science, 2008, 602, 28-36.	1.9	19

#	Article	IF	Citations
55	Spin reorientation transition and magnetic domain structure of Co ultrathin films grown on a faceted Au(455) surface. Physical Review B, 2008, 77...	3.2	10
56	Structural Origin of the Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mi>d</mml:mi></mml:math>Core Level Line Shape in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Sn</mml:mi><mml:mo>/</mml:mo><mml:mi>Ge</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo stretchy="false">)</mml:mo><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mo		

#	Article	IF	Citations
73	Periodic magnetic anisotropy in ultrathin ferromagnetic films on faceted surfaces. Europhysics Letters, 2005, 71, 117-123.	2.0	6
74	The photoelectron diffraction technique applied to advanced materials. Journal of Physics Condensed Matter, 2004, 16, S3441-S3450.	1.8	3
75	Photoelectron diffraction study of theSi-rich3Câ^'SiC(001)â€"(3Ã—2)structure. Physical Review B, 2004, 70, .	3.2	26
76	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
77	Atomic Structure of Si-Rich 3C-SiC(001)-(3x2): a Photoelectron Diffraction Study. Materials Science Forum, 2003, 433-436, 579-582.	0.3	1
78	Electronic structure of Sn/Si(111)-(3Ã—3)R30Â°as a function of Sn coverage. Physical Review B, 2003, 68, .	3.2	17
79	Emergence of multiple Fermi surface maps in angle-resolved photoemission fromBi2Sr2CaCu2O8+Î´. Physical Review B, 2003, 67, .	3.2	44
80	Electronic structure of SixSn(1â^'x)/Si(111)-(3Ã—3)R30Â° phases. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1298-1301.	2.1	1
81	First principles simulations of energy and polarization dependent angle-resolved photoemission spectra of Bi2212. Journal of Physics and Chemistry of Solids, 2002, 63, 2175-2180.	4.0	12
82	Refractive indices of rutile as a function of temperature and wavelength. Journal of Applied Physics, 1997, 82, 994-997.	2.5	54