

Michele Pisarra

List of Publications by Year in descending order

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46
papers

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citations

566801

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docs citations

46
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic plasmons in extrinsic free-standing graphene. <i>New Journal of Physics</i> , 2014, 16, 083003.	1.2	53
2	Plasmon Modes of Graphene Nanoribbons with Periodic Planar Arrangements. <i>Physical Review Letters</i> , 2016, 117, 116801.	2.9	52
3	Electronic structure of graphene/Co interfaces. <i>Physical Review B</i> , 2014, 90, .	1.1	41
4	Real-space subfemtosecond imaging of quantum electronic coherences in molecules. <i>Nature Photonics</i> , 2022, 16, 196-202.	15.6	32
5	Plasmon properties and hybridization effects in silicene. <i>Physical Review B</i> , 2017, 95, .	1.1	29
6	Dielectric screening and plasmon resonances in bilayer graphene. <i>Physical Review B</i> , 2016, 93, .	1.1	27
7	Calibration of the fine-structure constant of graphene by time-dependent density-functional theory. <i>Physical Review B</i> , 2017, 96, .	1.1	24
8	Probing graphene interfaces with secondary electrons. <i>Carbon</i> , 2014, 77, 796-802.	5.4	23
9	Primary energy dependence of secondary electron emission from graphene adsorbed on Ni(111). <i>Applied Physics Letters</i> , 2012, 101, .	1.5	20
10	Secondary electron emission spectra from clean and cesiated Al surfaces: the role of plasmon decay and data analysis for applications. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 305004.	0.7	18
11	Tunable plasmons in regular planar arrays of graphene nanoribbons with armchair and zigzag-shaped edges. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 172-182.	1.5	18
12	Theoretical study of structural and electronic properties of 2H - 1T phase transition metal dichalcogenides. <i>Physical Review B</i> , 2021, 103, .		
13	A comparative study of the plasmonic properties of graphene on lattice-matched and lattice-mismatched Ni surfaces. <i>Surface Science</i> , 2014, 626, 40-43.	0.8	15
14	Statistics of work and orthogonality catastrophe in discrete level systems: an application to fullerene molecules and ultra-cold trapped Fermi gases. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 755-766.	1.5	15
15	Tunable Graphene Electronics with Local Ultrahigh Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1806715.	7.8	15
16	Observation of excited states of graphene on Ni(111) by secondary electron spectroscopy. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	14
17	Studies of Electron Emission in the Interaction of Electrons with Graphene on Ni(111) Surface. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 1100-1103.	0.4	13
18	Plasmon oscillations in two-dimensional arrays of ultranarrow graphene nanoribbons. <i>Physical Review B</i> , 2019, 100, .	1.1	13

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19	Cluster and Periodic Density Functional Study of Auger Electron Emission from Conducting Carbon Nanotubes. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 1050-1055.	0.4	13
20	Deep Insight Into the Electronic Structure of Ternary Topological Insulators: A Comparative Study of PbBi_4Te_7 and $\text{PbBi}_6\text{Te}_{10}$. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800341.	1.2	12
21	Electron excitation in the interaction of slow ions and electrons with metals and monolayer graphite on Ni(111) surfaces. <i>Vacuum</i> , 2010, 84, 1029-1032.	1.6	11
22	Electronic structure of epitaxial graphene grown on stepped Pt(997). <i>Physical Review B</i> , 2014, 89, .	1.1	10
23	Interband $\tilde{\epsilon}$ -like plasmon in silicene grown on silver. <i>Physical Review B</i> , 2018, 97, .	1.1	10
24	Graphene catalyzes the reversible formation of a C-C bond between two molecules. <i>Science Advances</i> , 2018, 4, eaau9366.	4.7	9
25	Efficient photogeneration of nonacene on nanostructured graphene. <i>Nanoscale Horizons</i> , 2021, 6, 744-750.	4.1	9
26	Calibration of Fermi Velocity to Explore the Plasmonic Character of Graphene Nanoribbon Arrays by a Semi-Analytical Model. <i>Nanomaterials</i> , 2022, 12, 2028.	1.9	9
27	Wave-packet study of hyperthermal alkali ion neutralization at metal surfaces. <i>Vacuum</i> , 2010, 84, 1038-1042.	1.6	8
28	Role of Many Body Shake-Up in Core-Valence-Valence Electron Emission from Single Wall Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9143-9152.	0.9	7
29	Charge transfer in single and multiple scattering events at metal surfaces: a wavepacket study of the $\text{Na}^+/\text{Cu}(100)$ system. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 475004.	0.7	5
30	Core-hole effects in fullerene molecules and small-diameter conducting nanotubes: a density functional theory study. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 115301.	0.7	5
31	Innovative full wave modeling of plasmon propagation in graphene by dielectric permittivity simulations based on density functional theory. , 2015, , .		5
32	Wave packet evolution of the valence state of a hyperthermal sodium ion impinging on a copper surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 938-942.	0.6	4
33	Kinetic electron emission from metal surfaces by slow Na^+ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 1721-1724.	0.6	3
34	Secondary Electron Spectra of Graphene on Ni(111) Surface. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9256-9259.	0.9	3
35	Plasmon Modes in Extrinsic Graphene: Ab initio Simulations vs Semi-classical Models. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2016, , 125-144.	0.2	3
36	Coverage evolution of the unoccupied Density of States in sulfur superstructures on Ru(0001). <i>Applied Surface Science</i> , 2018, 433, 300-305.	3.1	3

#	ARTICLE	IF	CITATIONS
37	Molecular dynamics study of kinetic electron emission induced by slow sodium ions incident on gold surfaces. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 981-984.	0.6	2
38	Electronic Properties of Sulfur Covered Ru(0001) Surfaces. Journal of Physical Chemistry A, 2018, 122, 2232-2240.	1.1	2
39	Many-Body Effects in Auger Electron Emission from Finite-Length Carbon Nanotubes. Nanoscience and Nanotechnology Letters, 2011, 3, 835-840.	0.4	2
40	Dynamic core hole screening in small-diameter conducting carbon nanotubes: A cluster density functional study. Thin Solid Films, 2013, 543, 41-47.	0.8	1
41	High Energy Excited States of Graphene Adsorbed on Ni(111). Nanoscience and Nanotechnology Letters, 2013, 5, 1191-1194.	0.4	1
42	Plasmon properties of doped or gated graphene nanoribbon arrays with armchair shaped edges. , 2017, , .		1
43	Advanced techniques for the band structure-quantum transport modeling in graphene and 2D-materials beyond graphene. , 2014, , .		0
44	Ab initio modelling of dielectric screening and plasmon resonances in extrinsic silicene. , 2016, , .		0
45	Scattering Resonances in bilayer graphene. Journal of Physics: Conference Series, 2018, 987, 012030.	0.3	0
46	Defect formation in a graphene overlayer on ruthenium under high pressure. Physical Review B, 2020, 102, .	1.1	0