

Michele Pisarra

List of Publications by Year in descending order

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545
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-space subfemtosecond imaging of quantum electronic coherences in molecules. Nature Photonics, 2022, 16, 196-202.	15.6	32
2	Calibration of Fermi Velocity to Explore the Plasmonic Character of Graphene Nanoribbon Arrays by a Semi-Analytical Model. Nanomaterials, 2022, 12, 2028.	1.9	9
3	Efficient photogeneration of nonacene on nanostructured graphene. Nanoscale Horizons, 2021, 6, 744-750.	4.1	9
4	Theoretical study of structural and electronic properties of 2H - 1T phase transition metal dichalcogenides. Physical Review B, 2021, 103, .	1.1	0
5	Defect formation in a graphene overlayer on ruthenium under high pressure. Physical Review B, 2020, 102, .	1.1	0
6	Tunable Graphene Electronics with Local Ultrahigh Pressure. Advanced Functional Materials, 2019, 29, 1806715.	7.8	15
7	Plasmon oscillations in two-dimensional arrays of ultranarrow graphene nanoribbons. Physical Review B, 2019, 100, .	1.1	13
8	Electronic Properties of Sulfur Covered Ru(0001) Surfaces. Journal of Physical Chemistry A, 2018, 122, 2232-2240.	1.1	2
9	Interband $\tilde{\epsilon}$ -like plasmon in silicene grown on silver. Physical Review B, 2018, 97, .	1.1	10
10	Coverage evolution of the unoccupied Density of States in sulfur superstructures on Ru(0001). Applied Surface Science, 2018, 433, 300-305.	3.1	3
11	Graphene catalyzes the reversible formation of a C-C bond between two molecules. Science Advances, 2018, 4, eaau9366.	4.7	9
12	Deep Insight Into the Electronic Structure of Ternary Topological Insulators: A Comparative Study of PbBi_4Te_7 and $\text{PbBi}_6\text{Te}_{10}$. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800341.	1.2	12
13	Scattering Resonances in bilayer graphene. Journal of Physics: Conference Series, 2018, 987, 012030.	0.3	0
14	Plasmon properties and hybridization effects in silicene. Physical Review B, 2017, 95, .	1.1	29
15	Calibration of the fine-structure constant of graphene by time-dependent density-functional theory. Physical Review B, 2017, 96, .	1.1	24
16	Plasmon properties of doped or gated graphene nanoribbon arrays with armchair shaped edges. , 2017, , .		1
17	Tunable plasmons in regular planar arrays of graphene nanoribbons with armchair and zigzag-shaped edges. Beilstein Journal of Nanotechnology, 2017, 8, 172-182.	1.5	18
18	Ab initio modelling of dielectric screening and plasmon resonances in extrinsic silicene. , 2016, , .		0

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19	Plasmon Modes in Extrinsic Graphene: Ab initio Simulations vs Semi-classical Models. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 125-144.	0.2	3
20	Plasmon Modes of Graphene Nanoribbons with Periodic Planar Arrangements. Physical Review Letters, 2016, 117, 116801.	2.9	52
21	Dielectric screening and plasmon resonances in bilayer graphene. Physical Review B, 2016, 93, .	1.1	27
22	Statistics of work and orthogonality catastrophe in discrete level systems: an application to fullerene molecules and ultra-cold trapped Fermi gases. Beilstein Journal of Nanotechnology, 2015, 6, 755-766.	1.5	15
23	Innovative full wave modeling of plasmon propagation in graphene by dielectric permittivity simulations based on density functional theory. , 2015, , .		5
24	Electronic structure of graphene/Co interfaces. Physical Review B, 2014, 90, .	1.1	41
25	Advanced techniques for the band structure-quantum transport modeling in graphene and 2D-materials beyond graphene. , 2014, , .		0
26	Acoustic plasmons in extrinsic free-standing graphene. New Journal of Physics, 2014, 16, 083003.	1.2	53
27	Electronic structure of epitaxial graphene grown on stepped Pt(997). Physical Review B, 2014, 89, .	1.1	10
28	Probing graphene interfaces with secondary electrons. Carbon, 2014, 77, 796-802.	5.4	23
29	A comparative study of the plasmonic properties of graphene on lattice-matched and lattice-mismatched Ni surfaces. Surface Science, 2014, 626, 40-43.	0.8	15
30	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
31	Core-hole effects in fullerene molecules and small-diameter conducting nanotubes: a density functional theory study. Journal of Physics Condensed Matter, 2013, 25, 115301.	0.7	5
32	High Energy Excited States of Graphene Adsorbed on Ni(111). Nanoscience and Nanotechnology Letters, 2013, 5, 1191-1194.	0.4	1
33	Primary energy dependence of secondary electron emission from graphene adsorbed on Ni(111). Applied Physics Letters, 2012, 101, .	1.5	20
34	Studies of Electron Emission in the Interaction of Electrons with Graphene on Ni(111) Surface. Nanoscience and Nanotechnology Letters, 2012, 4, 1100-1103.	0.4	13
35	Cluster and Periodic Density Functional Study of Auger Electron Emission from Conducting Carbon Nanotubes. Nanoscience and Nanotechnology Letters, 2012, 4, 1050-1055.	0.4	13
36	Secondary Electron Spectra of Graphene on Ni(111) Surface. Journal of Nanoscience and Nanotechnology, 2011, 11, 9256-9259.	0.9	3

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37	Wave packet evolution of the valence state of a hyperthermal sodium ion impinging on a copper surface. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 938-942.	0.6	4
38	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
39	Role of Many Body Shake-Up in Core-Valence-Valence Electron Emission from Single Wall Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 9143-9152.	0.9	7
40	Many-Body Effects in Auger Electron Emission from Finite-Length Carbon Nanotubes. Nanoscience and Nanotechnology Letters, 2011, 3, 835-840.	0.4	2
41	Wave-packet study of hyperthermal alkali ion neutralization at metal surfaces. Vacuum, 2010, 84, 1038-1042.	1.6	8
42	Electron excitation in the interaction of slow ions and electrons with metals and monolayer graphite on Ni(111) surfaces. Vacuum, 2010, 84, 1029-1032.	1.6	11
43	Charge transfer in single and multiple scattering events at metal surfaces: a wavepacket study of the Na ⁺ /Cu(100) system. Journal of Physics Condensed Matter, 2010, 22, 475004.	0.7	5
44	Secondary electron emission spectra from clean and cesiated Al surfaces: the role of plasmon decay and data analysis for applications. Journal of Physics Condensed Matter, 2010, 22, 305004.	0.7	18
45	Observation of excited states of graphene on Ni(111) by secondary electron spectroscopy. Applied Physics Letters, 2010, 97, .	1.5	14
46	Kinetic electron emission from metal surfaces by slow Na ⁺ ions. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1721-1724.	0.6	3