Daniele Stradi

List of Publications by Year
in descending order

30 papers	1,983 citations	394421 19 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	2631 citing authors

#	Article	IF	Citations
1	Schottky barrier lowering due to interface states in 2D heterophase devices. Nanoscale Advances, 2021, 3, 567-574.	4.6	8
2	QuantumATK: an integrated platform of electronic and atomic-scale modelling tools. Journal of Physics Condensed Matter, 2020, 32, 015901.	1.8	771
3	Atomistic Modeling Of Nanoscale Ferroelectric Capacitors Using a Density Functional Theory And Non-Equilibrium Greenâ€™s-Function Method. , 2019, , .		1
4	Atomistic Insight into the Formation of Metal-Graphene One-Dimensional Contacts. Physical Review Applied, 2018, 10, .	3.8	8
5	Field Effect in Graphene-Based van der Waals Heterostructures: Stacking Sequence Matters. Nano Letters, 2017, 17, 2660-2666.	9.1	21
6	Method for determining optimal supercell representation of interfaces. Journal of Physics Condensed Matter, 2017, 29, 185901.	1.8	59
7	Determination of low-strain interfaces via geometric matching. Physical Review B, 2017, 96, .	3.2	47
8	Proximity Band Structure and Spin Textures on Both Sides of Topological-Insulator/Ferromagnetic-Metal Interface and Their Charge Transport Probes. Nano Letters, 2017, 17, 5626-5633.	9.1	59
9	First-principles Green's-function method for surface calculations: A pseudopotential localized basis set approach. Physical Review B, 2017, 96, .	3.2	211
10	Electron-phonon scattering from Green's function transport combined with molecular dynamics: Applications to mobility predictions. Physical Review B, 2017, 95, .	3.2	33
11	First-principles modeling of SiGe alloys and devices. , 2017, , .		0
12	Atomistic approach for modeling metal-semiconductor interfaces. , 2016, , .		0
13	Understanding the self-assembly of TCNQ on Cu(111): a combined study based on scanning tunnelling microscopy experiments and density functional theory simulations. RSC Advances, 2016, 6, 15071-15079.	3.6	22
14	General atomistic approach for modeling metal-semiconductor interfaces using density functional theory and nonequilibrium Green's function. Physical Review B, 2016, 93, .	3.2	137
15	Comparative study of the interfaces of graphene and hexagonal boron nitride with silver. Physical Review B, 2016, 94, .	3.2	18
16	Tunneling spectra of graphene on copper unraveled. Physical Chemistry Chemical Physics, 2016, 18, 17081-17090.	2.8	2
17	Manipulating the voltage drop in graphene nanojunctions using a gate potential. Physical Chemistry Chemical Physics, 2016, 18, 1025-1031.	2.8	39
18	Organic Covalent Patterning of Nanostructured Graphene with Selectivity at the Atomic Level. Nano Letters, 2016, 16, 355-361.	9.1	36

#	Article	IF	Citations
19	Controlling the spatial arrangement of organic magnetic anions adsorbed on epitaxial graphene on Ru(0001). Nanoscale, 2014, 6, 15271-15279.	5.6	19
20	Probing the Site-Dependent Kondo Response of Nanostructured Graphene with Organic Molecules. Nano Letters, 2014, 14, 4560-4567.	9.1	24
21	Lattice-matched versus lattice-mismatched models to describe epitaxial monolayer graphene on Ru(0001). Physical Review B, 2013, 88, .	3.2	35
22	Elastic Response of Graphene Nanodomes. ACS Nano, 2013, 7, 2927-2934.	14.6	35
23	Long-range magnetic order in a purely organic 2D layer adsorbed on epitaxial graphene. Nature Physics, 2013, 9, 368-374.	16.7	158
24	Ordered arrays of metalâ€“organic magnets at surfaces. Journal of Physics Condensed Matter, 2013, 25, 484007.	1.8	16
25	Electron localization in epitaxial graphene on Ru(0001) determined by moirÃ© corrugation. Physical Review B, 2012, 85, .	3.2	34
26	A theoretical study of a ZnO graphene analogue: adsorption on Ag(111) and hydrogen transport. Journal of Physics Condensed Matter, 2011, 23, 334215.	1.8	5
27	A density functional theory study of the manganese-phthalocyanine. Theoretical Chemistry Accounts, 2011, 128, 497-503.	1.4	30
28	Role of Dispersion Forces in the Structure of Graphene Monolayers on Ru Surfaces. Physical Review Letters, 2011, 106, 186102.	7.8	129
29	Grazing incidence scattering of vibrationally excited H2 molecules from metal surfaces. Surface Science, 2010, 604, 2031-2035.	1.9	8
30	Prospective Role of Multicenter Bonding for Efficient and Selective Hydrogen Transport. Physical Review Letters, 2010, 105, 045901.	7.8	17