Giorgia Fugallo

List of Publications by Year
in descending order

25 papers	5,882 citations	516710 16 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	8626 citing authors

#	Article	IF	Citations
1	Advanced capabilities for materials modelling with Quantum ESPRESSO. Journal of Physics Condensed Matter, 2017, 29, 465901.	1.8	4,303
2	Thermal Conductivity of Graphene and Graphite: Collective Excitations and Mean Free Paths. Nano Letters, 2014, 14, 6109-6114.	9.1	449
3	Phonon hydrodynamics in two-dimensional materials. Nature Communications, 2015, 6, 6400.	12.8	385
4	Ab initiovariational approach for evaluating lattice thermal conductivity. Physical Review B, 2013, 88, .	3.2	199
5	Structural Properties of Green Tea Catechins. Journal of Physical Chemistry B, 2015, 119, 12860-12867.	2.6	93
6	First-principles calculation of lattice thermal conductivity in crystalline phase change materials: GeTe, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Sb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">Te</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> , and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mat	3.2	86
7	Direct observation of the band structure in bulk hexagonal boron nitride. Physical Review B, 2017, 95, .	3.2	65
8	Excitons in van der Waals materials: From monolayer to bulk hexagonal boron nitride. Physical Review B, 2017, 95, .	3.2	40
9	Calculating lattice thermal conductivity: a synopsis. Physica Scripta, 2018, 93, 043002.	2.5	40
10	Boron nitride for excitonics, nano photonics, and quantum technologies. Nanophotonics, 2020, 9, 3483-3504.	6.0	36
11	Quantum Confinement by an Order-Disorder Boundary in Nanocrystalline Silicon. Physical Review Letters, 2010, 104, 176803.	7.8	30
12	Exciton energy-momentum map of hexagonal boron nitride. Physical Review B, 2015, 92, .	3.2	23
13	Flat Bands and Giant Light-Matter Interaction in Hexagonal Boron Nitride. Physical Review Letters, 2021, 127, 137401.	7.8	22
14	Hydrodynamic Heat Transport Regime in Bismuth: A Theoretical Viewpoint. Physical Review Letters, 2018, 120, 075901.	7.8	21
15	Thermally induced recrystallization of textured hydrogenated nanocrystalline silicon. Physical Review B, 2014, 89, .	3.2	20
16	Nanoscale mechanisms for the reduction of heat transport in bismuth. Physical Review B, 2016, 93, .	3.2	16
17	Infrared reflectance, transmittance, and emittance spectra of MgO from first principles. Physical Review B, 2018, 98, .	3.2	15
18	Constant pressure molecular dynamics simulations for ellipsoidal, cylindrical and cuboidal nano-objects based on inertia tensor information. Physical Chemistry Chemical Physics, 2010, 12, 8542.	2.8	9

#	Article	IF	Citations
19	A Computational Exploration of the Interactions of the Green Tea Polyphenol (â€“)-Epigallocatechin 3-Gallate with Cardiac Muscle Troponin C. PLoS ONE, 2013, 8, e70556.	2.5	9
20	Exciton and Phonon Radiative Linewidths in Monolayer Boron Nitride. Physical Review X, 2022, 12, .	8.9	5
21	Ultrafast nonlinear phonon response of few-layer hexagonal boron nitride. Physical Review B, 2021, 104, .	3.2	4
22	Plasmon dispersion in graphite: A comparison of current ab initio methods. Physical Review B, 2019, 100, .	3.2	3
23	Room temperature second sound in cumulene. Physical Chemistry Chemical Physics, 2021, 23, 15275-15281.	2.8	3
24	Predicting the thermal conductivity in a graphene nanoflake from its response to a thermal impulse. Physical Review B, 2016, 94, .	3.2	2
25	Exciton band structure of molybdenum disulfide: from monolayer to bulk. Electronic Structure, 2021, 3, 014005.	2.8	2