

# Paola Gori

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,871  
citations

236833

25  
h-index

265120

42  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical review and methodological approach to evaluate the differences among international green building rating tools. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 950-960.	8.2	202
2	Universal infrared absorbance of two-dimensional honeycomb group-IV crystals. <i>Physical Review B</i> , 2013, 87, .	1.1	157
3	Infrared absorbance of silicene and germanene. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	144
4	Strong excitons in novel two-dimensional crystals: Silicene and germanene. <i>Europhysics Letters</i> , 2012, 98, 37004.	0.7	112
5	Building energy performance analysis: A case study. <i>Energy and Buildings</i> , 2015, 87, 87-94.	3.1	81
6	In Situ Thermal Transmittance Measurements for Investigating Differences between Wall Models and Actual Building Performance. <i>Sustainability</i> , 2015, 7, 10388-10398.	1.6	73
7	Origin of Dirac-cone-like features in silicon structures on Ag(111) and Ag(110). <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	68
8	Tunable electronic properties of two-dimensional nitrides for light harvesting heterostructures. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	59
9	Heat transfer study of external convective and radiative coefficients for building applications. <i>Energy and Buildings</i> , 2017, 151, 429-438.	3.1	54
10	Passive thermal behaviour of buildings: Performance of external multi-layered walls and influence of internal walls. <i>Applied Energy</i> , 2018, 225, 1078-1089.	5.1	54
11	Optical spectra of ZnO in the far ultraviolet: First-principles calculations and ellipsometric measurements. <i>Physical Review B</i> , 2010, 81, .	1.1	48
12	An Integrated Approach for an Historical Buildings Energy Analysis in a Smart Cities Perspective. <i>Energy Procedia</i> , 2014, 45, 372-378.	1.8	42
13	Beyond graphene: Clean, hydrogenated and halogenated silicene, germanene, stanene, and plumbene. <i>Progress in Surface Science</i> , 2021, 96, 100615.	3.8	42
14	Energy Retrofit Strategies for Residential Building Envelopes: An Italian Case Study of an Early-50s Building. <i>Sustainability</i> , 2015, 7, 10445-10460.	1.6	40
15	Side-dependent electron escape from graphene- and graphane-like SiC layers. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	39
16	Optimization of wide-band linear arrays. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2001, 48, 943-952.	1.7	37
17	Influence of Insulating Materials on Green Building Rating System Results. <i>Energies</i> , 2016, 9, 712.	1.6	34
18	Optical Conductivity of Two-Dimensional Silicon: Evidence of Dirac Electrodynamics. <i>Nano Letters</i> , 2018, 18, 7124-7132.	4.5	34

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19	Energy Benchmarking in Educational Buildings through Cluster Analysis of Energy Retrofitting. <i>Energies</i> , 2018, 11, 649.	1.6	33
20	Optical properties of silicene, Si/Ag(111), and Si/Ag(110). <i>Physical Review B</i> , 2018, 97, .	1.1	33
21	Influence of internal heat sources on thermal resistance evaluation through the heat flow meter method. <i>Energy and Buildings</i> , 2017, 135, 187-200.	3.1	32
22	Design criteria for improving insulation effectiveness of multilayer walls. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 349-359.	2.5	31
23	Experimental investigation of the influence of convective and radiative heat transfers on thermal transmittance measurements. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 214-223.	2.9	30
24	Chirality Transfer from a Single Chiral Molecule to 2D Superstructures in Alaninol on the Cu(100) Surface. <i>Langmuir</i> , 2011, 27, 7410-7418.	1.6	28
25	Silicon-induced faceting at the Ag(110) surface. <i>Physical Review B</i> , 2014, 89, .	1.1	25
26	Systematic STM and LEED investigation of the Si/Ag(110) surface. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 315301.	0.7	23
27	Excitons in two-dimensional sheets with honeycomb symmetry. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 72-77.	0.7	23
28	A step towards the optimization of the indoor luminous environment by genetic algorithms. <i>Indoor and Built Environment</i> , 2017, 26, 590-607.	1.5	22
29	Electronic and optical properties of group IV two-dimensional materials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 291-299.	0.8	21
30	Supramolecular and Chiral Effects at the Titanyl Phthalocyanine/Ag(100) Hybrid Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5255-5267.	1.5	20
31	Assessment of equivalent thermal properties of multilayer building walls coupling simulations and experimental measurements. <i>Building and Environment</i> , 2018, 127, 77-85.	3.0	20
32	d-Alaninol Adsorption on Cu(100): Photoelectron Spectroscopy and First-Principles Calculations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3963-3970.	1.2	18
33	Bus for Urban Public Transport: Energy Performance Optimization. <i>Energy Procedia</i> , 2014, 45, 731-738.	1.8	17
34	Honeycomb silicon on alumina: Massless Dirac fermions in silicene on substrate. <i>Physical Review B</i> , 2019, 100, .	1.1	17
35	Efficient transmit beamforming in pulse-echo ultrasonic imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1999, 46, 1450-1458.	1.7	16
36	Life cycle energy minimization of autonomous buildings. <i>Journal of Building Engineering</i> , 2020, 30, 101229.	1.6	16

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37	Thermophysical Properties of the Novel 2D Materials Graphene and Silicene: Insights from Ab-initio Calculations. Energy Procedia, 2014, 45, 512-517.	1.8	11
38	Geometry and electronic band structure of surfaces: the case of Ge(111):Sn and C(111). Applied Physics A: Materials Science and Processing, 2006, 85, 361-369.	1.1	10
39	Scanning probe microscopy in material science and biology. Journal Physics D: Applied Physics, 2011, 44, 464008.	1.3	10
40	Sustainable Acoustic Metasurfaces for Sound Control. Sustainability, 2016, 8, 107.	1.6	10
41	Adsorption and self-assembly of D-alaninol on Cu(100). Superlattices and Microstructures, 2009, 46, 52-58.	1.4	8
42	Interplay between Supramolecularity and Substrate Symmetry in the Dehydrogenation of D-Alaninol on Cu(100) and Cu(110) Surfaces. Journal of Physical Chemistry C, 2013, 117, 10545-10551.	1.5	8
43	Description of multilayer walls by means of equivalent homogeneous models. International Communications in Heat and Mass Transfer, 2018, 91, 30-39.	2.9	8
44	First-principles calculations and bias-dependent STM measurements at the $\sqrt{3}\times\sqrt{3}$ -Sn/Ge(111) surface. Europhysics Letters, 2009, 85, 66001.	0.7	7
45	Robustness of Acoustic Scattering Cancellation to Parameter Variations. Sustainability, 2014, 6, 4416-4425.	1.6	7
46	Supramolecular organization of chiral molecules on metallic surfaces: D-Alaninol on Cu(100) as a case study. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2616-2619.	0.8	6
47	Optical Properties of Silicene and Related Materials from First Principles. Nanoscience and Technology, 2018, , 73-98.	1.5	6
48	Organizational chirality expression as a function of the chirality measure of simple amino alcohols on Cu(100). Surface Science, 2014, 629, 41-47.	0.8	5
49	Electronic properties and photoelectron circular dichroism of adsorbed chiral molecules. Physical Review B, 2015, 91, .	1.1	4
50	Tuning the Doping of Epitaxial Graphene on a Conventional Semiconductor via Substrate Surface Reconstruction. Journal of Physical Chemistry Letters, 2021, 12, 1262-1267.	2.1	4
51	Dense and sparse 2-D array radiation patterns in lossy media. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2000, 47, 940-948.	1.7	3
52	Surface structure and energy bands of 1/3 ML Sn/Ge(111). European Physical Journal Special Topics, 2006, 132, 91-94.	0.2	3
53	Accuracy of lumped-parameter representations for heat conduction modeling in multilayer slabs. Journal of Physics: Conference Series, 2015, 655, 012065.	0.3	3
54	Improved accuracy in the estimation of blood velocity vectors using matched filtering. , 0, , .		2

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55	Surface Structure and Energy Bands of 1/3 ML Sn/Ge(111). Japanese Journal of Applied Physics, 2006, 45, 2140-2143.	0.8	2
56	Structure and phase transitions of the Sn/Ge(111) surface. Surface Science, 2007, 601, 4381-4385.	0.8	2
57	Self assembly and chirality transfer in D-Alaninol on the Cu(100) surface. European Physical Journal D, 2012, 66, 1.	0.6	2
58	A new beamforming technique for ultrasonic imaging systems. Ultrasonics, 2000, 38, 156-160.	2.1	1
59	Propagation-independent fields. Ultrasonics, 2002, 40, 287-291.	2.1	1
60	Two-dimensional molecular chirality transfer on metal surfaces. Rendiconti Lincei, 2013, 24, 251-257.	1.0	1
61	<title>General conditions for the generation of acoustic bullet waves</title>. , 1999, , .		1
62	Thermal properties of Dirac fermions in Xenos: Model studies. Physical Review B, 2021, 104, .	1.1	1
63	<title>Time apodization of ultrasonic transducer arrays</title>. , 1999, 3664, 101.		0
64	<title>Fast iterative deconvolution technique for echographic imaging</title>. , 1999, , .		0
65	A novel approach to the aperture windowing in medical imaging. Ultrasonics, 2000, 38, 937-941.	2.1	0
66	Radiation pattern distortion caused by the inter-element coupling via the backing and the matching layers in linear array transducers. , 0, , .		0
67	Filtering interpretation of acoustic inverse scattering under coherent and incoherent insonification. IEEE Journal of Oceanic Engineering, 2000, 25, 533-539.	2.1	0
68	Optical properties of Xenos. , 2022, , 319-352.		0