

# Paola Gori

## List of Publications by Year in descending order

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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	Optical properties of Xenos. , 2022, , 319-352.		0
2	Beyond graphene: Clean, hydrogenated and halogenated silicene, germanene, stanene, and plumbene. Progress in Surface Science, 2021, 96, 100615.	3.8	42
3	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
4	Thermal properties of Dirac fermions in Xenos: Model studies. Physical Review B, 2021, 104, .	1.1	1
5	Life cycle energy minimization of autonomous buildings. Journal of Building Engineering, 2020, 30, 101229.	1.6	16
6	Honeycomb silicon on alumina: Massless Dirac fermions in silicene on substrate. Physical Review B, 2019, 100, .	1.1	17
7	Description of multilayer walls by means of equivalent homogeneous models. International Communications in Heat and Mass Transfer, 2018, 91, 30-39.	2.9	8
8	Critical review and methodological approach to evaluate the differences among international green building rating tools. Renewable and Sustainable Energy Reviews, 2018, 82, 950-960.	8.2	202
9	Assessment of equivalent thermal properties of multilayer building walls coupling simulations and experimental measurements. Building and Environment, 2018, 127, 77-85.	3.0	20
10	Optical Properties of Silicene and Related Materials from First Principles. Nanoscience and Technology, 2018, , 73-98.	1.5	6
11	Optical Conductivity of Two-Dimensional Silicon: Evidence of Dirac Electrodynamics. Nano Letters, 2018, 18, 7124-7132.	4.5	34
12	Passive thermal behaviour of buildings: Performance of external multi-layered walls and influence of internal walls. Applied Energy, 2018, 225, 1078-1089.	5.1	54
13	Energy Benchmarking in Educational Buildings through Cluster Analysis of Energy Retrofitting. Energies, 2018, 11, 649.	1.6	33
14	Optical properties of silicene, Si/Ag(111), and Si/Ag(110). Physical Review B, 2018, 97, .	1.1	33
15	A step towards the optimization of the indoor luminous environment by genetic algorithms. Indoor and Built Environment, 2017, 26, 590-607.	1.5	22
16	Tunable electronic properties of two-dimensional nitrides for light harvesting heterostructures. Applied Physics Letters, 2017, 110, .	1.5	59
17	Influence of internal heat sources on thermal resistance evaluation through the heat flow meter method. Energy and Buildings, 2017, 135, 187-200.	3.1	32
18	Heat transfer study of external convective and radiative coefficients for building applications. Energy and Buildings, 2017, 151, 429-438.	3.1	54

#	ARTICLE	IF	CITATIONS
19	Influence of Insulating Materials on Green Building Rating System Results. <i>Energies</i> , 2016, 9, 712.	1.6	34
20	Sustainable Acoustic Metasurfaces for Sound Control. <i>Sustainability</i> , 2016, 8, 107.	1.6	10
21	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
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	Accuracy of lumped-parameter representations for heat conduction modeling in multilayer slabs. <i>Journal of Physics: Conference Series</i> , 2015, 655, 012065.	0.3	3
24	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
25	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
26	Electronic properties and photoelectron circular dichroism of adsorbed chiral molecules. <i>Physical Review B</i> , 2015, 91, .	1.1	4
27	Building energy performance analysis: A case study. <i>Energy and Buildings</i> , 2015, 87, 87-94.	3.1	81
28	Excitons in two-dimensional sheets with honeycomb symmetry. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 72-77.	0.7	23
29	Robustness of Acoustic Scattering Cancellation to Parameter Variations. <i>Sustainability</i> , 2014, 6, 4416-4425.	1.6	7
30	Silicon-induced faceting at the Ag(110) surface. <i>Physical Review B</i> , 2014, 89, .	1.1	25
31	Bus for Urban Public Transport: Energy Performance Optimization. <i>Energy Procedia</i> , 2014, 45, 731-738.	1.8	17
32	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
33	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
34	Organizational chirality expression as a function of the chirality measure of simple amino alcohols on Cu(100). <i>Surface Science</i> , 2014, 629, 41-47.	0.8	5
35	Thermophysical Properties of the Novel 2D Materials Graphene and Silicene: Insights from Ab-initio Calculations. <i>Energy Procedia</i> , 2014, 45, 512-517.	1.8	11
36	Two-dimensional molecular chirality transfer on metal surfaces. <i>Rendiconti Lincei</i> , 2013, 24, 251-257.	1.0	1

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37	Universal infrared absorbance of two-dimensional honeycomb group-IV crystals. <i>Physical Review B</i> , 2013, 87, .	1.1	157
38	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
39	Interplay between Supramolecularity and Substrate Symmetry in the Dehydrogenation of $\alpha$ -Alaninol on Cu(100) and Cu(110) Surfaces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10545-10551.	1.5	8
40	Systematic STM and LEED investigation of the Si/Ag(110) surface. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 315301.	0.7	23
41	Side-dependent electron escape from graphene- and graphane-like SiC layers. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	39
42	Infrared absorbance of silicene and germanene. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	144
43	Strong excitons in novel two-dimensional crystals: Silicene and germanene. <i>Europhysics Letters</i> , 2012, 98, 37004.	0.7	112
44	Self assembly and chirality transfer in D-Alaninol on the Cu(100) surface. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	2
45	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
46	Scanning probe microscopy in material science and biology. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 464008.	1.3	10
47	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
48	Supramolecular organization of chiral molecules on metallic surfaces: $\alpha$ -Alaninol on Cu(100) as a case study. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2616-2619.	0.8	6
49	Optical spectra of ZnO in the far ultraviolet: First-principles calculations and ellipsometric measurements. <i>Physical Review B</i> , 2010, 81, .	1.1	48
50	First-principles calculations and bias-dependent STM measurements at the $\sqrt{3}\times\sqrt{3}$ -Sn/Ge(111) surface. <i>Europhysics Letters</i> , 2009, 85, 66001.	0.7	7
51	Adsorption and self-assembly of D-alaninol on Cu(100). <i>Superlattices and Microstructures</i> , 2009, 46, 52-58.	1.4	8
52	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
53	Structure and phase transitions of the Sn/Ge(111) surface. <i>Surface Science</i> , 2007, 601, 4381-4385.	0.8	2
54	Surface structure and energy bands of 1/3 ML Sn/Ge(111). <i>European Physical Journal Special Topics</i> , 2006, 132, 91-94.	0.2	3

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55	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
56	Surface Structure and Energy Bands of 1/3 ML Sn/Ge(111). Japanese Journal of Applied Physics, 2006, 45, 2140-2143.	0.8	2
57	Propagation-independent fields. Ultrasonics, 2002, 40, 287-291.	2.1	1
58	Optimization of wide-band linear arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 943-952.	1.7	37
59	A novel approach to the aperture windowing in medical imaging. Ultrasonics, 2000, 38, 937-941.	2.1	0
60	A new beamforming technique for ultrasonic imaging systems. Ultrasonics, 2000, 38, 156-160.	2.1	1
61	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
62	Filtering interpretation of acoustic inverse scattering under coherent and incoherent insonification. IEEE Journal of Oceanic Engineering, 2000, 25, 533-539.	2.1	0
63	Efficient transmit beamforming in pulse-echo ultrasonic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1999, 46, 1450-1458.	1.7	16
64	<title>Time apodization of ultrasonic transducer arrays</title>. , 1999, 3664, 101.		0
65	<title>Fast iterative deconvolution technique for echographic imaging</title>. , 1999, , .		0
66	<title>General conditions for the generation of acoustic bullet waves</title>. , 1999, , .		1
67	Improved accuracy in the estimation of blood velocity vectors using matched filtering. , 0, , .		2
68	Radiation pattern distortion caused by the inter-element coupling via the backing and the matching layers in linear array transducers. , 0, , .		0