Alessandro Principi

List of Publications by Year in Descending Order

21 papers	1,145 citations	10 h-index	23 g-index
23 ext. papers	1,468 ext. citations	10.4 avg, IF	4.31 L-index

#	Paper	IF	Citations
21	Topological engineering of terahertz light using electrically tunable exceptional point singularities.. *Science*, **2022**, 376, 184-188	33.3	4
20	Topological plasmonic waveguides in triharmonic metal gratings. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	2
19	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. *ACS Nano*, **2021**,	16.7	8
18	Emergent non-Hermitian edge polarisation in an Hermitian tight-binding model. *Physica E: Low-Dimensional Systems and Nanostructures*, **2021**, 126, 114423	3	3
17	Magnetization Signature of Topological Surface States in a Non-Symmorphic Superconductor. *Advanced Materials*, **2021**, 33, e2103257	24	
16	Observation of giant and tunable thermal diffusivity of a Dirac fluid at room temperature. *Nature Nanotechnology*, **2021**, 16, 1195-1200	28.7	2
15	A bipartite Kronig-Penney model with Dirac-delta potential scatterers. *Journal of Physics Condensed Matter*, **2020**, 32, 055502	1.8	2
14	Tunneling spectroscopy as a probe of fractionalization in two-dimensional magnetic heterostructures. *Physical Review B*, **2020**, 102,	3.3	4
13	Edge modes and Fabry-Perot plasmonic resonances in anomalous-Hall thin films. *Physical Review B*, **2019**, 99,	3.3	1
12	Enhanced Photoenergy Harvesting and Extreme Thomson Effect in Hydrodynamic Electronic Systems. *Physical Review Letters*, **2019**, 122, 166802	7.4	1
11	Pseudo-Euler equations from nonlinear optics: Plasmon-assisted photodetection beyond hydrodynamics. *Physical Review B*, **2019**, 99,	3.3	8
10	Visualizing Poiseuille flow of hydrodynamic electrons. *Nature*, **2019**, 576, 75-79	50.4	56
9	Confining graphene plasmons to the ultimate limit. *Physical Review B*, **2018**, 98,	3.3	32
8	Bulk and shear viscosities of the two-dimensional electron liquid in a doped graphene sheet. *Physical Review B*, **2016**, 93,	3.3	79
7	Kondo effect and non-Fermi-liquid behavior in Dirac and Weyl semimetals. *Physical Review B*, **2015**, 92,	3.3	26
6	Highly confined low-loss plasmons in graphene-boron nitride heterostructures. *Nature Materials*, **2015**, 14, 421-5	27	681
5	Accessing Phonon Polaritons in Hyperbolic Crystals by Angle-Resolved Photoemission Spectroscopy. *Physical Review Letters*, **2015**, 115, 087401	7.4	21

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4	Violation of the Wiedemann-Franz Law in Hydrodynamic Electron Liquids. *Physical Review Letters*, **2015**, 115, 056603	7.4	48
3	Plasmon losses due to electron-phonon scattering: The case of graphene encapsulated in hexagonal boron nitride. *Physical Review B*, **2014**, 90,	3.3	68
2	Intrinsic lifetime of Dirac plasmons in graphene. *Physical Review B*, **2013**, 88,	3.3	57
1	Impact of disorder on Dirac plasmon losses. *Physical Review B*, **2013**, 88,	3.3	42