

# Alessandro Principi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Highly confined low-loss plasmons in graphene-boron nitride heterostructures. <i>Nature Materials</i> , <b>2015</b> , 14, 421-5	27	681
20	Bulk and shear viscosities of the two-dimensional electron liquid in a doped graphene sheet. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	79
19	Plasmon losses due to electron-phonon scattering: The case of graphene encapsulated in hexagonal boron nitride. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	68
18	Intrinsic lifetime of Dirac plasmons in graphene. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	57
17	Visualizing Poiseuille flow of hydrodynamic electrons. <i>Nature</i> , <b>2019</b> , 576, 75-79	50.4	56
16	Violation of the Wiedemann-Franz Law in Hydrodynamic Electron Liquids. <i>Physical Review Letters</i> , <b>2015</b> , 115, 056603	7.4	48
15	Impact of disorder on Dirac plasmon losses. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	42
14	Confining graphene plasmons to the ultimate limit. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	32
13	Kondo effect and non-Fermi-liquid behavior in Dirac and Weyl semimetals. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	26
12	Accessing Phonon Polaritons in Hyperbolic Crystals by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , <b>2015</b> , 115, 087401	7.4	21
11	Pseudo-Euler equations from nonlinear optics: Plasmon-assisted photodetection beyond hydrodynamics. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
10	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
9	Tunneling spectroscopy as a probe of fractionalization in two-dimensional magnetic heterostructures. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
8	Topological engineering of terahertz light using electrically tunable exceptional point singularities.. <i>Science</i> , <b>2022</b> , 376, 184-188	33.3	4
7	Emergent non-Hermitian edge polarisation in an Hermitian tight-binding model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 126, 114423	3	3
6	A bipartite Kronig-Penney model with Dirac-delta potential scatterers. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 055502	1.8	2
5	Topological plasmonic waveguides in triharmonic metal gratings. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	2

4	Observation of giant and tunable thermal diffusivity of a Dirac fluid at room temperature. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 1195-1200	28.7	2
3	Edge modes and Fabry-Perot plasmonic resonances in anomalous-Hall thin films. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	1
2	Enhanced Photoenergy Harvesting and Extreme Thomson Effect in Hydrodynamic Electronic Systems. <i>Physical Review Letters</i> , <b>2019</b> , 122, 166802	7.4	1
1	Magnetization Signature of Topological Surface States in a Non-Symmorphic Superconductor. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103257	24	