

# Marco Polini

## 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

2,011  
citations

14  
h-index

22  
g-index

22  
ext. papers

2,427  
ext. citations

10  
avg, IF

4.72  
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 | Tuning quantum nonlocal effects in graphene plasmonics. <i>Science</i> , <b>2017</b> , 357, 187-191   | 33.3 | 189       |
| 19 | Chirality and correlations in graphene. <i>Physical Review Letters</i> , <b>2007</b> , 98, 236601   | 7.4  | 184       |
| 18 | Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 31-35   | 28.7 | 178       |
| 17 | Nonlocal transport and the hydrodynamic shear viscosity in graphene. <i>Physical Review B</i> , <b>2015</b> , 92,   | 3.3  | 139       |
| 16 | Drude weight, plasmon dispersion, and ac conductivity in doped graphene sheets. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3  | 130       |
| 15 | Resonant terahertz detection using graphene plasmons. <i>Nature Communications</i> , <b>2018</b> , 9, 5392  | 17.4 | 129       |
| 14 | Graphene: A pseudo-chiral Fermi liquid. <i>Solid State Communications</i> , <b>2007</b> , 143, 58-62  | 1.6  | 96        |
| 13 | Linear response of doped graphene sheets to vector potentials. <i>Physical Review B</i> , <b>2009</b> , 80,   | 3.3  | 88        |
| 12 | Corbino disk viscometer for 2D quantum electron liquids. <i>Physical Review Letters</i> , <b>2014</b> , 113, 235901   | 7.4  | 59        |
| 11 | Confining graphene plasmons to the ultimate limit. <i>Physical Review B</i> , <b>2018</b> , 98,   | 3.3  | 32        |
| 10 | Quantum Nanophotonics in Two-Dimensional Materials. <i>ACS Photonics</i> , <b>2021</b> , 8, 85-101  | 6.3  | 31        |
| 9  | Applied optics. Tuning terahertz lasers via graphene plasmons. <i>Science</i> , <b>2016</b> , 351, 229-31   | 33.3 | 16        |
| 8  | Optical and plasmonic properties of twisted bilayer graphene: Impact of interlayer tunneling asymmetry and ground-state charge inhomogeneity. <i>Physical Review B</i> , <b>2020</b> , 102, | 3.3  | 14        |
| 7  | Propagating Plasmons in a Charge-Neutral Quantum Tunneling Transistor. <i>ACS Photonics</i> , <b>2017</b> , 4, 3012-3017  | 6.3  | 13        |
| 6  | Coherent terahertz radiation from a nonlinear oscillator of viscous electrons. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 013105   | 3.4  | 10        |
| 5  | Pseudo-Euler equations from nonlinear optics: Plasmon-assisted photodetection beyond hydrodynamics. <i>Physical Review B</i> , <b>2019</b> , 99,  | 3.3  | 8         |

- 4 Acoustic plasmons at the crossover between the collisionless and hydrodynamic regimes in two-dimensional electron liquids. *Physical Review B*, **2019**, 99, 33 7
- 3 Observation of interband collective excitations in twisted bilayer graphene. *Nature Physics*, 16.2 7
- 2 Gauge invariance and Ward identities in nonlinear response theory. *Annals of Physics*, **2021**, 431, 168523 2.5 0
- 1 Managing Students from 23 Different Countries in Distance Learning: The Foundation Course Experience of the University of Pisa. *Communications in Computer and Information Science*, **2022**, 129-140<sup>0.3</sup>