

Iacopo Torre

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/724989/publications.pdf>

Version: 2024-02-01

21
papers

1,587
citations

567281

15
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative local resistance caused by viscous electron backflow in graphene. <i>Science</i> , 2016, 351, 1055-1058.	12.6	516
2	Nonlocal transport and the hydrodynamic shear viscosity in graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	198
3	Measuring Hall viscosity of graphene's electron fluid. <i>Science</i> , 2019, 364, 162-165.	12.6	197
4	Nonlocal transport and the Hall viscosity of two-dimensional hydrodynamic electron liquids. <i>Physical Review B</i> , 2017, 96, .	3.2	113
5	Electron hydrodynamics dilemma: Whirlpools or no whirlpools. <i>Physical Review B</i> , 2016, 94, .	3.2	86
6	Quantum Nanophotonics in Two-Dimensional Materials. <i>ACS Photonics</i> , 2021, 8, 85-101.	6.6	83
7	Electrical 2π phase control of infrared light in a 350-nm footprint using graphene plasmons. <i>Nature Photonics</i> , 2017, 11, 421-424.	31.4	63
8	Mid- and Long-Wave Infrared Optoelectronics via Intraband Transitions in PbS Colloidal Quantum Dots. <i>Nano Letters</i> , 2020, 20, 1003-1008.	9.1	56
9	Observation of interband collective excitations in twisted bilayer graphene. <i>Nature Physics</i> , 2021, 17, 1162-1168.	16.7	47
10	Graphene's Quantum Dot Hybrid Photodetectors with Low Dark-Current Readout. <i>ACS Nano</i> , 2020, 14, 11897-11905.	14.6	39
11	Optical and plasmonic properties of twisted bilayer graphene: Impact of interlayer tunneling asymmetry and ground-state charge inhomogeneity. <i>Physical Review B</i> , 2020, 102, .	3.2	33
12	Nonlinear Light Mixing by Graphene Plasmons. <i>Nano Letters</i> , 2018, 18, 282-287.	9.1	32
13	Nano-imaging photoresponse in a moiré unit cell of minimally twisted bilayer graphene. <i>Nature Communications</i> , 2021, 12, 1640.	12.8	29
14	Tunable and giant valley-selective Hall effect in gapped bilayer graphene. <i>Science</i> , 2022, 375, 1398-1402.	12.6	26
15	Electrical plasmon detection in graphene waveguides. <i>Physical Review B</i> , 2015, 91, .	3.2	16
16	Propagating Plasmons in a Charge-Neutral Quantum Tunneling Transistor. <i>ACS Photonics</i> , 2017, 4, 3012-3017.	6.6	14
17	Acoustic plasmons at the crossover between the collisionless and hydrodynamic regimes in two-dimensional electron liquids. <i>Physical Review B</i> , 2019, 99, .	3.2	14
18	Lippmann-Schwinger theory for two-dimensional plasmon scattering. <i>Physical Review B</i> , 2017, 96, .	3.2	13

#	ARTICLE	IF	CITATIONS
19	Tunnel and electrostatic coupling in graphene-LaAlO ₃ /SrTiO ₃ hybrid systems. APL Materials, 2016, 4, 066101.	5.1	9
20	Edge modes and Fabry-Perot plasmonic resonances in anomalous-Hall thin films. Physical Review B, 2019, 99, .	3.2	1
21	All-Electrical Scheme for Hall Viscosity Measurement. , 2018, , 11-19.		0