

Domenico De Fazio

List of Publications by Citations

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Version: 2024-04-24

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31
papers

1,802
citations

20
h-index

41
g-index

41
ext. papers

2,299
ext. citations

11.4
avg, IF

4.29
L-index

#	Paper	IF	Citations
31	Photo-Induced Bandgap Renormalization Governs the Ultrafast Response of Single-Layer MoS ₂ . <i>ACS Nano</i> , 2016 , 10, 1182-8	16.7	209
30	High Responsivity, Large-Area Graphene/MoS ₂ Flexible Photodetectors. <i>ACS Nano</i> , 2016 , 10, 8252-62	16.7	206
29	On-Chip Integrated, Silicon-Graphene Plasmonic Schottky Photodetector with High Responsivity and Avalanche Photogain. <i>Nano Letters</i> , 2016 , 16, 3005-13	11.5	199
28	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
27	Broadband, electrically tunable third-harmonic generation in graphene. <i>Nature Nanotechnology</i> , 2018 , 13, 583-588	28.7	143
26	Charge-tuneable biexciton complexes in monolayer WSe. <i>Nature Communications</i> , 2018 , 9, 3721	17.4	113
25	Graphene-based mid-infrared room-temperature pyroelectric bolometers with ultrahigh temperature coefficient of resistance. <i>Nature Communications</i> , 2017 , 8, 14311	17.4	101
24	Ultrafast valley relaxation dynamics in monolayer MoS ₂ probed by nonequilibrium optical techniques. <i>Physical Review B</i> , 2015 , 92,	3.3	71
23	Vertically Illuminated, Resonant Cavity Enhanced, Graphene-Silicon Schottky Photodetectors. <i>ACS Nano</i> , 2017 , 11, 10955-10963	16.7	70
22	High-Mobility, Wet-Transferred Graphene Grown by Chemical Vapor Deposition. <i>ACS Nano</i> , 2019 , 13, 8926-8935	16.7	70
21	p-wave triggered superconductivity in single-layer graphene on an electron-doped oxide superconductor. <i>Nature Communications</i> , 2017 , 8, 14024	17.4	62
20	Intravalley Spin-Flip Relaxation Dynamics in Single-Layer WS. <i>Nano Letters</i> , 2018 , 18, 6882-6891	11.5	50
19	Raman spectroscopy of graphene under ultrafast laser excitation. <i>Nature Communications</i> , 2018 , 9, 308	17.4	47
18	Universal scaling of the critical temperature for thin films near the superconducting-to-insulating transition. <i>Physical Review B</i> , 2014 , 90,	3.3	47
17	Ultrafast pseudospin dynamics in graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	38
16	Multi-Valley Superconductivity in Ion-Gated MoS Layers. <i>Nano Letters</i> , 2018 , 18, 4821-4830	11.5	36
15	Layered material platform for surface plasmon resonance biosensing. <i>Scientific Reports</i> , 2019 , 9, 20286	4.9	33

14	Superconducting-nanowire single-photon-detector linear array. <i>Applied Physics Letters</i> , 2013 , 103, 142603	24	27
13	Graphene-Quantum Dot Hybrid Photodetectors with Low Dark-Current Readout. <i>ACS Nano</i> , 2020 , 14, 11897-11905	16.7	26
12	Coherent anti-Stokes Raman spectroscopy of single and multi-layer graphene. <i>Nature Communications</i> , 2019 , 10, 3658	17.4	21
11	Niobium diselenide superconducting photodetectors. <i>Applied Physics Letters</i> , 2019 , 114, 251103	3.4	13
10	Eight-fold signal amplification of a superconducting nanowire single-photon detector using a multiple-avalanche architecture. <i>Optics Express</i> , 2014 , 22, 24574-81	3.3	10
9	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. <i>Nano Letters</i> , 2021 , 21, 2709-2718	11.5	10
8	Electrically Controlled Nano and Micro Actuation in Memristive Switching Devices with On-Chip Gas Encapsulation. <i>Small</i> , 2018 , 14, e1801599	11	7
7	Graphene overcoats for ultra-high storage density magnetic media. <i>Nature Communications</i> , 2021 , 12, 2854	17.4	5
6	Optoelectronic mixing with high-frequency graphene transistors. <i>Nature Communications</i> , 2021 , 12, 27287	7.4	2
5	Tunable broadband light emission from graphene. <i>2D Materials</i> , 2021 , 8, 035026	5.9	2
4	Gate tuneable ultrafast charge transfer in graphene/MoS ₂ heterostructures 2017 ,		1
3	Real-time observation of the intravalley spin-flip process in single-layer WS ₂ . <i>EPJ Web of Conferences</i> , 2019 , 205, 05012	0.3	
2	Raman spectroscopy of graphene under ultrafast laser excitation. <i>EPJ Web of Conferences</i> , 2019 , 205, 05003	0.3	
1	High-yield parallel fabrication of quantum-dot monolayer single-electron devices displaying Coulomb staircase, contacted by graphene. <i>Nature Communications</i> , 2021 , 12, 4307	17.4	