Matteo Barbone

List of Publications by Citations

16 papers	3,060 citations	12 h-index	20 g-index
20 ext. papers	3,592 ext. citations	10.9 avg, IF	4.13 L-index

#	Paper	IF	Citations
16	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
15	Large-scale quantum-emitter arrays in atomically thin semiconductors. *Nature Communications*, **2017**, 8, 15093	17.4	275
14	High Responsivity, Large-Area Graphene/MoS2 Flexible Photodetectors. *ACS Nano*, **2016**, 10, 8252-62	16.7	206
13	Atomically thin quantum light-emitting diodes. *Nature Communications*, **2016**, 7, 12978	17.4	174
12	Charge-tuneable biexciton complexes in monolayer WSe. *Nature Communications*, **2018**, 9, 3721	17.4	113
11	p-wave triggered superconductivity in single-layer graphene on an electron-doped oxide superconductor. *Nature Communications*, **2017**, 8, 14024	17.4	62
10	Characterization of Ni thin films following thermal oxidation in air. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2014**, 32, 051808	1.3	53
9	Room-Temperature Synthesis of 2D Janus Crystals and their Heterostructures. *Advanced Materials*, **2020**, 32, e2006320	24	48
8	Excitonic Emission of Monolayer Semiconductors Near-Field Coupled to High-Q Microresonators. *Nano Letters*, **2018**, 18, 3138-3146	11.5	32
7	Long Spin Diffusion Length in Few-Layer Graphene Flakes. *Physical Review Letters*, **2016**, 117, 147201	7.4	29
6	Discrete interactions between a few interlayer excitons trapped at a MoSe2–WSe2 heterointerface. *Npj 2D Materials and Applications*, **2020**, 4,	8.8	24
5	Raman spectrum of Janus transition metal dichalcogenide monolayers WSSe and MoSSe. *Physical Review B*, **2021**, 103,	3.3	20
4	Tunnelling anisotropic magnetoresistance at La0.67Sr0.33MnO3-graphene interfaces. *Applied Physics Letters*, **2016**, 108, 112405	3.4	4
3	Surface-enhanced Raman effect in hybrid metal–semiconductor nanoparticle assemblies. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	3
2	Tuning the Optical Properties of a MoSe Monolayer Using Nanoscale Plasmonic Antennas.. *Nano Letters*, **2022**,	11.5	1
1	Atomically thin quantum light-emitting diodes		1