

Matteo Barbone

List of Publications by Year in Descending Order

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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.

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	Tuning the Optical Properties of a MoSe Monolayer Using Nanoscale Plasmonic Antennas.. <i>Nano Letters</i> , 2022 ,	11.5	1
15	Raman spectrum of Janus transition metal dichalcogenide monolayers WSe and MoS ₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	20
14	Room-Temperature Synthesis of 2D Janus Crystals and their Heterostructures. <i>Advanced Materials</i> , 2020 , 32, e2006320	24	48
13	Discrete interactions between a few interlayer excitons trapped at a MoSe ₂ /WSe ₂ heterointerface. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	24
12	Excitonic Emission of Monolayer Semiconductors Near-Field Coupled to High-Q Microresonators. <i>Nano Letters</i> , 2018 , 18, 3138-3146	11.5	32
11	Charge-tuneable biexciton complexes in monolayer WSe. <i>Nature Communications</i> , 2018 , 9, 3721	17.4	113
10	p-wave triggered superconductivity in single-layer graphene on an electron-doped oxide superconductor. <i>Nature Communications</i> , 2017 , 8, 14024	17.4	62
9	Large-scale quantum-emitter arrays in atomically thin semiconductors. <i>Nature Communications</i> , 2017 , 8, 15093	17.4	275
8	High Responsivity, Large-Area Graphene/MoS ₂ Flexible Photodetectors. <i>ACS Nano</i> , 2016 , 10, 8252-62	16.7	206
7	Atomically thin quantum light-emitting diodes. <i>Nature Communications</i> , 2016 , 7, 12978	17.4	174
6	Tunnelling anisotropic magnetoresistance at La _{0.67} Sr _{0.33} MnO ₃ -graphene interfaces. <i>Applied Physics Letters</i> , 2016 , 108, 112405	3.4	4
5	Long Spin Diffusion Length in Few-Layer Graphene Flakes. <i>Physical Review Letters</i> , 2016 , 117, 147201	7.4	29
4	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7	2015
3	Characterization of Ni thin films following thermal oxidation in air. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 051808	1.3	53
2	Surface-enhanced Raman effect in hybrid metal-semiconductor nanoparticle assemblies. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	3
1	Atomically thin quantum light-emitting diodes		1