

Marco Gibertini

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.

44
papers

4,475
citations

25
h-index

46
g-index

46
ext. papers

5,946
ext. citations

10.4
avg, IF

5.94
L-index

#	Paper	IF	Citations
44	Quasi 1D Electronic Transport in a 2D Magnetic Semiconductor.. <i>Advanced Materials</i> , 2022 , e2109759	24	5
43	Magnetization dependent tunneling conductance of ferromagnetic barriers. <i>Nature Communications</i> , 2021 , 12, 6659	17.4	0
42	Magnetism and stability of all primitive stacking patterns in bilayer chromium trihalides. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 064002	3	6
41	Gate-tunable imbalanced Kane-Mele model in encapsulated bilayer jacutingaite. <i>Physical Review Materials</i> , 2021 , 5,	3.2	3
40	Remote free-carrier screening to boost the mobility of Fröhlich-limited two-dimensional semiconductors. <i>Physical Review Materials</i> , 2021 , 5,	3.2	2
39	Shear and Breathing Modes of Layered Materials. <i>ACS Nano</i> , 2021 ,	16.7	4
38	Persistence of Magnetism in Atomically Thin MnPS Crystals. <i>Nano Letters</i> , 2020 , 20, 2452-2459	11.5	57
37	Bulk and Surface Electronic Structure of the Dual-Topology Semimetal Pt ₂ HgSe ₃ . <i>Physical Review Letters</i> , 2020 , 124, 106402	7.4	20
36	Multi-frequency Shubnikov-de Haas oscillations in topological semimetal Pt ₂ HgSe ₃ . <i>2D Materials</i> , 2020 , 7, 025042	5.9	6
35	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
34	Intrinsic edge excitons in two-dimensional MoS ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	2
33	Emergent dual topology in the three-dimensional Kane-Mele Pt ₂ HgSe ₃ . <i>Physical Review Research</i> , 2020 , 2,	3.9	11
32	Wannier90 as a community code: new features and applications. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 165902	1.8	239
31	Low-temperature monoclinic layer stacking in atomically thin CrI ₃ crystals. <i>2D Materials</i> , 2020 , 7, 015007	3.9	41
30	Magnetic 2D materials and heterostructures. <i>Nature Nanotechnology</i> , 2019 , 14, 408-419	28.7	571
29	Valley-Engineering Mobilities in Two-Dimensional Materials. <i>Nano Letters</i> , 2019 , 19, 3723-3729	11.5	10
28	Probing magnetism in 2D materials at the nanoscale with single-spin microscopy. <i>Science</i> , 2019 , 364, 973-976	33.3	189

27	Enhanced Electron-Phonon Interaction in Multivalley Materials. <i>Physical Review X</i> , 2019 , 9,	9.1	25
26	Determining the phase diagram of atomically thin layered antiferromagnet CrCl. <i>Nature Nanotechnology</i> , 2019 , 14, 1116-1122	28.7	43
25	Relative Abundance of [Formula: see text] Topological Order in Exfoliable Two-Dimensional Insulators. <i>Nano Letters</i> , 2019 , 19, 8431-8440	11.5	27
24	Microfocus Laser-Angle-Resolved Photoemission on Encapsulated Mono-, Bi-, and Few-Layer 1T'WTe. <i>Nano Letters</i> , 2019 , 19, 554-560	11.5	25
23	Two-dimensional materials from high-throughput computational exfoliation of experimentally known compounds. <i>Nature Nanotechnology</i> , 2018 , 13, 246-252	28.7	874
22	Prediction of a Large-Gap and Switchable Kane-Mele Quantum Spin Hall Insulator. <i>Physical Review Letters</i> , 2018 , 120, 117701	7.4	45
21	Mobility of two-dimensional materials from first principles in an accurate and automated framework. <i>Physical Review Materials</i> , 2018 , 2,	3.2	51
20	Very large tunneling magnetoresistance in layered magnetic semiconductor CrI. <i>Nature Communications</i> , 2018 , 9, 2516	17.4	317
19	Breakdown of Optical Phonons vs Splitting in Two-Dimensional Materials. <i>Nano Letters</i> , 2017 , 17, 3758-3763	11.5	84
18	Strain-induced polar discontinuities in two-dimensional materials from combined first-principles and Schrödinger-Poisson simulations. <i>Physical Review B</i> , 2017 , 96,	3.3	8
17	Performance of arsenene and antimonene double-gate MOSFETs from first principles. <i>Nature Communications</i> , 2016 , 7, 12585	17.4	224
16	Band-like electron transport with record-high mobility in the TCNQ Family. <i>Advanced Materials</i> , 2015 , 27, 2453-8	24	97
15	Large-Area Epitaxial Monolayer MoS ₂ . <i>ACS Nano</i> , 2015 , 9, 4611-20	16.7	583
14	Emergence of One-Dimensional Wires of Free Carriers in Transition-Metal-Dichalcogenide Nanostructures. <i>Nano Letters</i> , 2015 , 15, 6229-38	11.5	64
13	Engineering polar discontinuities in honeycomb lattices. <i>Nature Communications</i> , 2014 , 5, 5157	17.4	37
12	Spin-resolved optical conductivity of two-dimensional group-VIB transition-metal dichalcogenides. <i>Physical Review B</i> , 2014 , 90,	3.3	29
11	Josephson-Majorana cycle in topological single-electron hybrid transistors. <i>Physical Review B</i> , 2013 , 88,	3.3	6
10	Topological pumping in the one-dimensional Bose-Hubbard model. <i>Physical Review B</i> , 2013 , 87,	3.3	13

9	Topological pumping in class-D superconducting wires. <i>Physical Review B</i> , 2013 , 88,	3-3	13
8	Local density of states in metal-topological superconductor hybrid systems. <i>Physical Review B</i> , 2012 , 85,	3-3	41
7	Electron-hole puddles in the absence of charged impurities. <i>Physical Review B</i> , 2012 , 85,	3-3	83
6	Scattering theory of topological invariants in nodal superconductors. <i>Physical Review B</i> , 2012 , 86,	3-3	13
5	Two-dimensional Mott-Hubbard electrons in an artificial honeycomb lattice. <i>Science</i> , 2011 , 332, 1176-9	33-3	153
4	Josephson current in a four-terminal superconductor/exciton-condensate/superconductor system. <i>Physical Review B</i> , 2011 , 84,	3-3	15
3	Electron density distribution and screening in rippled graphene sheets. <i>Physical Review B</i> , 2010 , 81,	3-3	71
2	Delocalized-localized transition in a semiconductor two-dimensional honeycomb lattice. <i>Applied Physics Letters</i> , 2010 , 97, 132113	3-4	34
1	Engineering artificial graphene in a two-dimensional electron gas. <i>Physical Review B</i> , 2009 , 79,	3-3	154