

# Marco Gibertini

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9086814/marco-gibertini-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Two-dimensional materials from high-throughput computational exfoliation of experimentally known compounds. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 246-252	28.7	874
43	Large-Area Epitaxial Monolayer MoS <sub>2</sub> . <i>ACS Nano</i> , <b>2015</b> , 9, 4611-20	16.7	583
42	Magnetic 2D materials and heterostructures. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 408-419	28.7	571
41	Very large tunneling magnetoresistance in layered magnetic semiconductor CrI <sub>3</sub> . <i>Nature Communications</i> , <b>2018</b> , 9, 2516	17.4	317
40	Wannier90 as a community code: new features and applications. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 165902	1.8	239
39	Performance of arsenene and antimonene double-gate MOSFETs from first principles. <i>Nature Communications</i> , <b>2016</b> , 7, 12585	17.4	224
38	Probing magnetism in 2D materials at the nanoscale with single-spin microscopy. <i>Science</i> , <b>2019</b> , 364, 973-976	33.3	189
37	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
36	Engineering artificial graphene in a two-dimensional electron gas. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	154
35	Two-dimensional Mott-Hubbard electrons in an artificial honeycomb lattice. <i>Science</i> , <b>2011</b> , 332, 1176-9	33.3	153
34	Band-like electron transport with record-high mobility in the TCNQ family. <i>Advanced Materials</i> , <b>2015</b> , 27, 2453-8	24	97
33	Breakdown of Optical Phonons vs Splitting in Two-Dimensional Materials. <i>Nano Letters</i> , <b>2017</b> , 17, 3758-3763	11.5	84
32	Electron-hole puddles in the absence of charged impurities. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	83
31	Electron density distribution and screening in rippled graphene sheets. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	71
30	Emergence of One-Dimensional Wires of Free Carriers in Transition-Metal-Dichalcogenide Nanostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 6229-38	11.5	64
29	Persistence of Magnetism in Atomically Thin MnPS Crystals. <i>Nano Letters</i> , <b>2020</b> , 20, 2452-2459	11.5	57
28	Mobility of two-dimensional materials from first principles in an accurate and automated framework. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	51

27	Prediction of a Large-Gap and Switchable Kane-Mele Quantum Spin Hall Insulator. <i>Physical Review Letters</i> , <b>2018</b> , 120, 117701	7.4	45
26	Determining the phase diagram of atomically thin layered antiferromagnet CrCl. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 1116-1122	28.7	43
25	Local density of states in metal-topological superconductor hybrid systems. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	41
24	Low-temperature monoclinic layer stacking in atomically thin CrI <sub>3</sub> crystals. <i>2D Materials</i> , <b>2020</b> , 7, 015007	5.9	41
23	Engineering polar discontinuities in honeycomb lattices. <i>Nature Communications</i> , <b>2014</b> , 5, 5157	17.4	37
22	Delocalized-localized transition in a semiconductor two-dimensional honeycomb lattice. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 132113	3.4	34
21	Spin-resolved optical conductivity of two-dimensional group-VIB transition-metal dichalcogenides. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	29
20	Relative Abundance of [Formula: see text] Topological Order in Exfoliable Two-Dimensional Insulators. <i>Nano Letters</i> , <b>2019</b> , 19, 8431-8440	11.5	27
19	Enhanced Electron-Phonon Interaction in Multivalley Materials. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	25
18	Microfocus Laser-Angle-Resolved Photoemission on Encapsulated Mono-, Bi-, and Few-Layer 1T'WTe. <i>Nano Letters</i> , <b>2019</b> , 19, 554-560	11.5	25
17	Bulk and Surface Electronic Structure of the Dual-Topology Semimetal Pt <sub>2</sub> HgSe <sub>3</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 124, 106402	7.4	20
16	Josephson current in a four-terminal superconductor/exciton-condensate/superconductor system. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	15
15	Topological pumping in the one-dimensional Bose-Hubbard model. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	13
14	Topological pumping in class-D superconducting wires. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	13
13	Scattering theory of topological invariants in nodal superconductors. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
12	Emergent dual topology in the three-dimensional Kane-Mele Pt <sub>2</sub> HgSe <sub>3</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	11
11	Valley-Engineering Mobilities in Two-Dimensional Materials. <i>Nano Letters</i> , <b>2019</b> , 19, 3723-3729	11.5	10
10	Strain-induced polar discontinuities in two-dimensional materials from combined first-principles and Schrödinger-Poisson simulations. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	8

9	Multi-frequency Shubnikov-de Haas oscillations in topological semimetal Pt <sub>2</sub> HgSe <sub>3</sub> . <i>2D Materials</i> , <b>2020</b> , 7, 025042	5.9	6
8	Josephson-Majorana cycle in topological single-electron hybrid transistors. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	6
7	Magnetism and stability of all primitive stacking patterns in bilayer chromium trihalides. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 064002	3	6
6	Quasi 1D Electronic Transport in a 2D Magnetic Semiconductor.. <i>Advanced Materials</i> , <b>2022</b> , e2109759	24	5
5	Shear and Breathing Modes of Layered Materials. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
4	Gate-tunable imbalanced Kane-Mele model in encapsulated bilayer jacutingaite. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	3
3	Intrinsic edge excitons in two-dimensional MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
2	Remote free-carrier screening to boost the mobility of Fröhlich-limited two-dimensional semiconductors. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	2
1	Magnetization dependent tunneling conductance of ferromagnetic barriers. <i>Nature Communications</i> , <b>2021</b> , 12, 6659	17.4	0