

David Martinez-Martin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4147734/publications.pdf>

Version: 2024-02-01

23
papers

1,971
citations

516561

16
h-index

642610

23
g-index

24
all docs

24
docs citations

24
times ranked

3157
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging modes of atomic force microscopy for application in molecular and cell biology. Nature Nanotechnology, 2017, 12, 295-307.	15.6	699
2	Multiparametric imaging of biological systems by force-distance curveâ€‘based AFM. Nature Methods, 2013, 10, 847-854.	9.0	378
3	Nanomechanical mapping of first binding steps of a virus to animal cells. Nature Nanotechnology, 2017, 12, 177-183.	15.6	170
4	Noninvasive Protein Structural Flexibility Mapping by Bimodal Dynamic Force Microscopy. Physical Review Letters, 2011, 106, 198101.	2.9	117
5	Inertial picobalance reveals fast mass fluctuations in mammalian cells. Nature, 2017, 550, 500-505.	13.7	100
6	Multiparametric high-resolution imaging of native proteins by force-distance curveâ€‘based AFM. Nature Protocols, 2014, 9, 1113-1130.	5.5	95
7	Mechanical control of mitotic progression in single animal cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11258-11263.	3.3	76
8	Atmospheric contaminants on graphitic surfaces. Carbon, 2013, 61, 33-39.	5.4	72
9	Virus stamping for targeted single-cell infection in vitro and in vivo. Nature Biotechnology, 2018, 36, 81-88.	9.4	39
10	Resolving Structure and Mechanical Properties at the Nanoscale of Viruses with Frequency Modulation Atomic Force Microscopy. PLoS ONE, 2012, 7, e30204.	1.1	30
11	Upper Bound for the Magnetic Force Gradient in Graphite. Physical Review Letters, 2010, 105, 257203.	2.9	29
12	Research priorities for COVID-19 sensor technology. Nature Biotechnology, 2021, 39, 144-147.	9.4	29
13	Higher-order eigenmodes of qPlus sensors for high resolution dynamic atomic force microscopy. Journal of Applied Physics, 2010, 107, .	1.1	26
14	Drive-amplitude-modulation atomic force microscopy: From vacuum to liquids. Beilstein Journal of Nanotechnology, 2012, 3, 336-344.	1.5	24
15	Rheology of rounded mammalian cells over continuous high-frequencies. Nature Communications, 2021, 12, 2922.	5.8	19
16	Initial Stages of the Contact between a Metallic Tip and Carbon Nanotubes. Physical Review Letters, 2009, 102, 106801.	2.9	17
17	High-resolution dynamic atomic force microscopy in liquids with different feedback architectures. Beilstein Journal of Nanotechnology, 2013, 4, 153-163.	1.5	13
18	Recent Advancements in the Fabrication of Functional Nanoporous Materials and Their Biomedical Applications. Materials, 2022, 15, 2111.	1.3	13

#	ARTICLE	IF	CITATIONS
19	Improving the Lateral Resolution of Quartz Tuning Fork-Based Sensors in Liquid by Integrating Commercial AFM Tips into the Fiber End. <i>Sensors</i> , 2015, 15, 1601-1610.	2.1	9
20	High-resolution mass measurements of single budding yeast reveal linear growth segments. <i>Nature Communications</i> , 2022, 13, .	5.8	8
21	Improving the Sensitivity of SPR Sensors with Au-Ag alloys and 2D Materials a Simulation-Based Approach. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100292.	1.3	4
22	pyIMD: Automated analysis of inertial mass measurements of single cells. <i>SoftwareX</i> , 2019, 10, 100303.	1.2	2
23	Patient and caregiver perspectives on blood pressure in children with chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 1330-1339.	0.4	2