

Daniel Midtvedt

List of Publications by Citations

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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.

15
papers

192
citations

9
h-index

13
g-index

18
ext. papers

275
ext. citations

9.4
avg, IF

3.41
L-index

#	Paper	IF	Citations
15	Strain-displacement relations for strain engineering in single-layer 2d materials. <i>2D Materials</i> , 2016 , 3, 011005	5.9	30
14	Fermi-Pasta-Ulam physics with nanomechanical graphene resonators: intrinsic relaxation and thermalization from flexural mode coupling. <i>Physical Review Letters</i> , 2014 , 112, 145503	7.4	29
13	Nonlinear phononics using atomically thin membranes. <i>Nature Communications</i> , 2014 , 5, 4838	17.4	18
12	Size and Refractive Index Determination of Subwavelength Particles and Air Bubbles by Holographic Nanoparticle Tracking Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 1908-1915	7.8	16
11	Label-free spatio-temporal monitoring of cytosolic mass, osmolarity, and volume in living cells. <i>Nature Communications</i> , 2019 , 10, 340	17.4	14
10	Quantitative digital microscopy with deep learning. <i>Applied Physics Reviews</i> , 2021 , 8, 011310	17.3	14
9	Fast and Accurate Nanoparticle Characterization Using Deep-Learning-Enhanced Off-Axis Holography. <i>ACS Nano</i> , 2021 , 15, 2240-2250	16.7	14
8	The Matrix protein M1 from influenza C virus induces tubular membrane invaginations in an in vitro cell membrane model. <i>Scientific Reports</i> , 2017 , 7, 40801	4.9	13
7	Multi-scale approach for strain-engineering of phosphorene. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 185702	1.8	9
6	Membrane Deformation Induces Clustering of Norovirus Bound to Glycosphingolipids in a Supported Cell-Membrane Mimic. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2278-2284	6.4	9
5	Parametric resonance in nanoelectromechanical single electron transistors. <i>Nano Letters</i> , 2011 , 11, 1439-1445	11.5	9
4	Valence-force model and nanomechanics of single-layer phosphorene. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23312-9	3.6	7
3	Extracting quantitative biological information from bright-field cell images using deep learning. <i>Biophysics Reviews</i> , 2021 , 2, 031401	2.6	4
2	Diffusion of Lipid Nanovesicles Bound to a Lipid Membrane Is Associated with the Partial-Slip Boundary Condition. <i>Nano Letters</i> , 2021 , 21, 8503-8509	11.5	2
1	Quantitative Detection of Biological Nanoparticles in Solution via Their Mediation of Colocalization of Fluorescent Liposomes. <i>Physical Review Applied</i> , 2019 , 12,	4.3	1