# Iaroslav Gaponenko

List of Publications by Year
in descending order

| | | 840776 | 839539 |
|---|---|---|---|
| **18**<br>papers | **944**<br>citations | **11**<br>h-index | **18**<br>g-index |
| **18**<br>all docs | **18**<br>docs citations | **18**<br>times ranked | **1639**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Correlative imaging of ferroelectric domain walls. Scientific Reports, 2022, 12, 165. | 3.3 | 7 |
| 2 | Local Probe Comparison of Ferroelectric Switching Event Statistics in the Creep and Depinning Regimes in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pb</mml:mi><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mrow><mml:mi>Zr</mml:mi></mml:mrow><mml:mrow><mml:mn>0.2</mml:mn></mml:m | 7.8 | 13 |
| 3 | Roughness and dynamics of proliferating cell fronts as a probe of cell–cell interactions. Scientific Reports, 2021, 11, 8869. | 3.3 | 11 |
| 4 | Hystorian: A processing tool for scanning probe microscopy and other n-dimensional datasets. Ultramicroscopy, 2021, 228, 113345. | 1.9 | 3 |
| 5 | Local and correlated studies of humidity-mediated ferroelectric thin film surface charge dynamics. Npj Computational Materials, 2021, 7, . | 8.7 | 1 |
| 6 | Better, Faster, and Less Biased Machine Learning: Electromechanical Switching in Ferroelectric Thin Films. Advanced Materials, 2020, 32, 2002425. | 21.0 | 15 |
| 7 | Smart machine learning or discovering meaningful physical and chemical contributions through dimensional stacking. Npj Computational Materials, 2019, 5, . | 8.7 | 15 |
| 8 | Surface charged species and electrochemistry of ferroelectric thin films. Nanoscale, 2019, 11, 17920-17930. | 5.6 | 48 |
| 9 | Non-Ising and chiral ferroelectric domain walls revealed by nonlinear optical microscopy. Nature Communications, 2017, 8, 15768. | 12.8 | 113 |
| 10 | Computer vision distortion correction of scanning probe microscopy images. Scientific Reports, 2017, 7, 669. | 3.3 | 10 |
| 11 | Low-noise humidity controller for imaging water mediated processes in atomic force microscopy. Review of Scientific Instruments, 2016, 87, 063709. | 1.3 | 8 |
| 12 | Towards reversible control of domain wall conduction in Pb(Zr0.2Ti0.8)O3 thin films. Applied Physics Letters, 2015, 106, . | 3.3 | 33 |
| 13 | Interactive Diffraction from Biological Nanostructures. Computer Graphics Forum, 2014, 33, 177-188. | 3.0 | 27 |
| 14 | Persistent conductive footprints of 109° domain walls in bismuth ferrite films. Applied Physics Letters, 2014, 104, . | 3.3 | 60 |
| 15 | Optimal ferromagnetically-coated carbon nanotube tips for ultra-high resolution magnetic force microscopy. Nanotechnology, 2013, 24, 105705. | 2.6 | 14 |
| 16 | Identification of a strong contamination source for graphene in vacuum systems. Nanotechnology, 2013, 24, 405201. | 2.6 | 8 |
| 17 | Intrinsic Terahertz Plasmons and Magnetoplasmons in Large Scale Monolayer Graphene. Nano Letters, 2012, 12, 2470-2474. | 9.1 | 224 |
| 18 | Conduction at Domain Walls in Insulating Pb(Zr$_{0.2}$Ti$_{0.8}$)O$_3$ Thin Films. Advanced Materials, 2011, 23, 5377-5382. | 21.0 | 334 |