

# Leonid A Gurevich

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5161011/publications.pdf>

Version: 2024-02-01

70  
papers

2,259  
citations

331642

21  
h-index

214788

47  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-range charge transport in single G-quadruplex DNA molecules. <i>Nature Nanotechnology</i> , 2014, 9, 1040-1046.	31.5	218
2	Carbon nanotubes as nanoelectromechanical systems. <i>Physical Review B</i> , 2003, 67, .	3.2	204
3	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1645-1648.	13.8	190
4	Detection of Quantum Noise from an Electrically Driven Two-Level System. <i>Science</i> , 2003, 301, 203-206.	12.6	157
5	Scanned Conductance Microscopy of Carbon Nanotubes and $\lambda$ -DNA. <i>Nano Letters</i> , 2002, 2, 187-190.	9.1	145
6	Single-electron tunneling in InP nanowires. <i>Applied Physics Letters</i> , 2003, 83, 344-346.	3.3	141
7	Evaluation of electroporation-induced adverse effects on adipose-derived stem cell exosomes. <i>Cytotechnology</i> , 2016, 68, 2125-2138.	1.6	131
8	Shell-Tunneling Spectroscopy of the Single-Particle Energy Levels of Insulating Quantum Dots. <i>Nano Letters</i> , 2001, 1, 551-556.	9.1	119
9	Nanometer-spaced electrodes with calibrated separation. <i>Applied Physics Letters</i> , 2002, 80, 321-323.	3.3	100
10	Direct observation of the lattice of Abrikosov vortices in high-Tc superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> single crystals. <i>Solid State Communications</i> , 1988, 67, 421-423.	1.9	93
11	Drug Delivery with Polymeric Nanocarriers—Cellular Uptake Mechanisms. <i>Materials</i> , 2020, 13, 366.	2.9	77
12	Nanosized carriers based on amphiphilic poly-N-vinyl-2-pyrrolidone for intranuclear drug delivery. <i>Nanomedicine</i> , 2018, 13, 703-715.	3.3	48
13	Patterned poly(lactic acid) films support growth and spontaneous multilineage gene expression of adipose-derived stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 93, 92-99.	5.0	37
14	Ordered stretching of single molecules of deoxyribose nucleic acid between microfabricated polystyrene lines. <i>Applied Physics Letters</i> , 2001, 78, 2396-2398.	3.3	34
15	Observation of a disordered vortex state in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> single crystals containing columnar defects. <i>Physical Review B</i> , 1993, 48, 1341-1344.	3.2	33
16	Flux Droplet Formation in NbSe <sub>2</sub> Single Crystals Observed by Decoration. <i>Physical Review Letters</i> , 1995, 75, 2400-2403.	7.8	32
17	Pore size dependence of diffuse light scattering from anodized aluminum solar cell backside reflectors. <i>Optics Express</i> , 2013, 21, A84.	3.4	30
18	Effects of aluminium surface morphology and chemical modification on wettability. <i>Applied Surface Science</i> , 2014, 296, 124-132.	6.1	30

#	ARTICLE	IF	CITATIONS
19	Light-induced immobilisation of biomolecules as an attractive alternative to microdroplet dispensing-based arraying technologies. <i>Proteomics</i> , 2007, 7, 3491-3499.	2.2	27
20	Scanning gate spectroscopy on nanoclusters. <i>Applied Physics Letters</i> , 2000, 76, 384-386.	3.3	26
21	Direct observation of the vortex structure in high-Tc superconductors in tilted magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 195, 327-334.	1.2	23
22	Impact of polyethylene on salivary glands proteome in <i>Galleria melonella</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 34, 100678.	1.0	23
23	A tunnelling spectroscopy study on the single-particle energy levels and electron-electron interactions in CdSe quantum dots. <i>Nanotechnology</i> , 2002, 13, 258-262.	2.6	22
24	Increased connective tissue attachment to silicone implants by a water vapor plasma treatment. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3400-3407.	4.0	18
25	Water Condensation: A Multiscale Phenomenon. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1859-1871.	0.9	18
26	Mastication of polyolefins alters the microbial composition in <i>Galleria mellonella</i> . <i>Environmental Pollution</i> , 2021, 280, 116877.	7.5	16
27	Resistance to protein adsorption and adhesion of fibroblasts on nanocrystalline diamond films: the role of topography and boron doping. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 90.	3.6	15
28	Observation of the flux line lattice in high Tc-superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>x</sub> and Ti <sub>2</sub> Ba <sub>2</sub> CaCu <sub>2</sub> O <sub>x</sub> single crystals. <i>Solid State Communications</i> , 1989, 70, 1145-1146.	1.9	14
29	Observation of the flux line lattice in high Tc superconductors. <i>Journal of the Less Common Metals</i> , 1990, 164-165, 1271-1284.	0.8	14
30	The effect of surface modification on initial ice formation on aluminum surfaces. <i>Applied Surface Science</i> , 2015, 355, 327-333.	6.1	14
31	Roll coated large area ITO- and vacuum-free all organic solar cells from diketopyrrolopyrrole based non-fullerene acceptors with molecular geometry effects. <i>RSC Advances</i> , 2016, 6, 41542-41550.	3.6	13
32	Charge states of size-selected silver nanoparticles produced by magnetron sputtering. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	10
33	Direct observation of the vortex structure in high-Tc superconductors in tilted magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 195, 323-326.	1.2	9
34	An ultralow-temperature scanning tunnelling microscope. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 72, S253-S256.	2.3	9
35	Nonfouling Tunable <sup>12</sup> C Dextran Polymer Films for Protein Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4160-4168.	8.0	9
36	Thermal Analysis of Organic and Nanoencapsulated Electrospun Phase Change Materials. <i>Energies</i> , 2021, 14, 995.	3.1	9

#	ARTICLE	IF	CITATIONS
37	Bio- and Hemo-Compatible Silk Fibroin PEGylated Nanocarriers for 5-Fluorouracil Chemotherapy in Colorectal Cancer: In Vitro Studies. <i>Pharmaceutics</i> , 2021, 13, 755.	4.5	9
38	Aluminium Alloy 8011: Surface Characteristics. <i>Applied Mechanics and Materials</i> , 0, 719-720, 29-37.	0.2	8
39	Atomic Force Microscopy Study of the Interactions of Indolicidin with Model Membranes and DNA. <i>Methods in Molecular Biology</i> , 2017, 1548, 201-215.	0.9	8
40	Synthesis, Self-Assembly and In Vitro Cellular Uptake Kinetics of Nanosized Drug Carriers Based on Aggregates of Amphiphilic Oligomers of N-Vinyl-2-pyrrolidone. <i>Materials</i> , 2021, 14, 5977.	2.9	8
41	Synthesis of Amphiphilic Copolymers of N-Vinyl-2-pyrrolidone and Allyl Glycidyl Ether for Co-Delivery of Doxorubicin and Paclitaxel. <i>Polymers</i> , 2022, 14, 1727.	4.5	8
42	Using light to bioactivate surfaces: A new way of creating oriented, active immunobiosensors. <i>Applied Surface Science</i> , 2007, 254, 1126-1130.	6.1	7
43	pH-Dependent Self-Assembly of the Short Surfactant-Like Peptide KA&lt;SUB&gt;6&lt;/SUB&gt;. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7946-7950.	0.9	7
44	Controlled deposition and combing of DNA across lithographically defined patterns on silicon. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 72-76.	2.8	7
45	The Many Faces of Diphenylalanine. <i>Journal of Self-Assembly and Molecular Electronics (SAME)</i> , 0, , .	0.0	7
46	Resolving the Conflict between Strength and Toughness in Bioactive Silicaâ€“Polymer Hybrid Materials. <i>ACS Nano</i> , 2022, 16, 9748-9761.	14.6	7
47	Recent Health Diagnosis Methods for Lithium-Ion Batteries. <i>Batteries</i> , 2022, 8, 72.	4.5	7
48	Patterned Polymeric Surfaces to Study the Influence of Nanotopography on the Growth and Differentiation of Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1058, 77-88.	0.9	6
49	Formation of Conductive DNA-Based Nanowires via Conjugation of dsDNA with Cationic Peptide. <i>Nanomaterials</i> , 2017, 7, 128.	4.1	5
50	Flexible inorganicâ€“organic hybrids with dual inorganic components. <i>Materials Today Chemistry</i> , 2021, 22, 100584.	3.5	5
51	Which factor determines the optical losses in refractory tungsten thin films at high temperatures?. <i>Applied Surface Science</i> , 2022, 588, 152927.	6.1	5
52	Thermal Properties of Novel Phase-Change Materials Based on Tamanu and Coconut Oil Encapsulated in Electrospun Fiber Matrices. <i>Sustainability</i> , 2022, 14, 7432.	3.2	5
53	Organized single-molecule magnets: direct observation of new Mn <sub>12</sub> derivatives on gold. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E725-E726.	2.3	4
54	The influence of surface properties of plasma-etched polydimethylsiloxane (PDMS) on cell growth and morphology. , 2010, 2010, 3804-7.		4

#	ARTICLE	IF	CITATIONS
55	Study of the tryptophan-terbium FRET pair coupled to silver nanoprisms for biosensing applications. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8838.	2.8	4
56	Molecular Combing of DNA: Methods and Applications. <i>Journal of Self-Assembly and Molecular Electronics (SAME)</i> , 2013, 1, 125-148.	0.0	4
57	The Synthesis and Properties of a New Carrier for Paclitaxel and Doxorubicin Based on the Amphiphilic Copolymer of <i>N-vinyl-2-pyrrolidone</i> and Acrylic Acid. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	4
58	Aligned deposition and electrical measurements on single DNA molecules. <i>Nanotechnology</i> , 2015, 26, 475102.	2.6	3
59	A surface plasmon resonance assay for characterisation and epitope mapping of anti-GLP-1 antibodies. <i>Journal of Molecular Recognition</i> , 2018, 31, e2711.	2.1	3
60	Label-free detection of biomolecular interaction &#x2014; DNA &#x2014; Antimicrobial peptide binding. , 2011, , .		2
61	Hypothermic Preservation of Red Blood Cells in Different Conditions of Inert Gas Xenon: Hyperbaria and Clathrates. <i>Cryo-Letters</i> , 2018, 39, 391-400.	0.3	2
62	The influence of columnar defects on the vortex array in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2707-2708.	1.2	1
63	Improved Anti-Fouling Performance of Sintered Alumina Membrane Filters Modified with Grafted-on PEG-Brush Polymer. <i>Journal of Self-Assembly and Molecular Electronics (SAME)</i> , 2016, 4, 19-38.	0.0	1
64	Drug Delivery Platform Based on Amphiphilic Poly-N-Vinyl-2-Pyrrolidone: The Role of Size Distribution in Cellular Uptake. <i>Biophysical Journal</i> , 2018, 114, 278a-279a.	0.5	1
65	Xenon-Water Interaction in Bacterial Suspensions as Studied by NMR. <i>International Journal of Biochemistry and Biophysics</i> , 2017, 5, 26-36.	0.5	1
66	Low field irreversible response in the granular S.C. $\text{La}_{1.8}\text{Sr}_{0.2}\text{CuO}_4$ . <i>European Physical Journal D</i> , 1996, 46, 1077-1078.	0.4	0
67	Low field magnetic response of the granular superconductor $\text{La}_{1.8}\text{Sr}_{0.2}\text{CuO}_4$ . <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 1138-1156.	0.9	0
68	Hypothermic preservation with $\text{N}_2$ -xenon: Impact of the energy pathways. <i>Cryobiology</i> , 2016, 73, 433-434.	0.7	0
69	Multifunctional Drug Delivery System based on Poly-N-Vinylpyrrolidone Block Copolymer Micelles. <i>Biophysical Journal</i> , 2017, 112, 590a.	0.5	0
70	Melt Electrospinning of PET and Composite PET-Aerogel Fibers: An Experimental and Modeling Study. <i>Materials</i> , 2021, 14, 4699.	2.9	0