Leonid A Gurevich

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Long-range charge transport in single G-quadruplex DNA molecules. Nature Nanotechnology, 2014, 9, 1040-1046.	31.5	218
2	Carbon nanotubes as nanoelectromechanical systems. Physical Review B, 2003, 67, .	3.2	204
3	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. Angewandte Chemie - International Edition, 2003, 42, 1645-1648.	13.8	190
4	Detection of Quantum Noise from an Electrically Driven Two-Level System. Science, 2003, 301, 203-206.	12.6	157
5	Scanned Conductance Microscopy of Carbon Nanotubes and λ-DNA. Nano Letters, 2002, 2, 187-190.	9.1	145
6	Single-electron tunneling in InP nanowires. Applied Physics Letters, 2003, 83, 344-346.	3.3	141
7	Evaluation of electroporation-induced adverse effects on adipose-derived stem cell exosomes. Cytotechnology, 2016, 68, 2125-2138.	1.6	131
8	Shell-Tunneling Spectroscopy of the Single-Particle Energy Levels of Insulating Quantum Dots. Nano Letters, 2001, 1, 551-556.	9.1	119
9	Nanometer-spaced electrodes with calibrated separation. Applied Physics Letters, 2002, 80, 321-323.	3.3	100
10	Direct observation of the lattice of Abrikosov vortices in high-Tc superconductor YBa2Cu3Ox single crystals. Solid State Communications, 1988, 67, 421-423.	1.9	93
11	Drug Delivery with Polymeric Nanocarriers—Cellular Uptake Mechanisms. Materials, 2020, 13, 366.	2.9	77
12	Nanosized carriers based on amphiphilic poly-N-vinyl-2-pyrrolidone for intranuclear drug delivery. Nanomedicine, 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. Colloids and Surfaces B: Biointerfaces, 2012, 93, 92-99.	5.0	37
14	Ordered stretching of single molecules of deoxyribose nucleic acid between microfabricated polystyrene lines. Applied Physics Letters, 2001, 78, 2396-2398.	3.3	34
15	Observation of a disordered vortex state inBi2Sr2CaCu2O8+xsingle crystals containing columnar defects. Physical Review B, 1993, 48, 1341-1344.	3.2	33
16	Flux Droplet Formation in NbSe2Single Crystals Observed by Decoration. Physical Review Letters, 1995, 75, 2400-2403.	7.8	32
17	Pore size dependence of diffuse light scattering from anodized aluminum solar cell backside reflectors. Optics Express, 2013, 21, A84.	3.4	30
18	Effects of aluminium surface morphology and chemical modification on wettability. Applied Surface Science, 2014, 296, 124-132.	6.1	30

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19	Lightâ€induced immobilisation of biomolecules as an attractive alternative to microdroplet dispensingâ€based arraying technologies. Proteomics, 2007, 7, 3491-3499.	2.2	27
20	Scanning gate spectroscopy on nanoclusters. Applied Physics Letters, 2000, 76, 384-386.	3.3	26
21	Direct observation of the vortex structure in high-Tc superconductors in tilted magnetic fields. Physica C: Superconductivity and Its Applications, 1992, 195, 327-334.	1.2	23
22	Impact of polyethylene on salivary glands proteome in Galleria melonella. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 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. Nanotechnology, 2002, 13, 258-262.	2.6	22
24	Increased connective tissue attachment to silicone implants by a water vapor plasma treatment. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3400-3407.	4.0	18
25	Water Condensation: A Multiscale Phenomenon. Journal of Nanoscience and Nanotechnology, 2014, 14, 1859-1871.	0.9	18
26	Mastication of polyolefins alters the microbial composition in Galleria mellonella. Environmental Pollution, 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. Journal of Materials Science: Materials in Medicine, 2016, 27, 90.	3.6	15
28	Observation of the flux line lattice in high Tc-superconductor Bi2.2Sr2CaCu2OX and Ti2Ba2CaCu2OX single crystals. Solid State Communications, 1989, 70, 1145-1146.	1.9	14
29	Observation of the flux line lattice in high Tc superconductors. Journal of the Less Common Metals, 1990, 164-165, 1271-1284.	0.8	14
30	The effect of surface modification on initial ice formation on aluminum surfaces. Applied Surface Science, 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. RSC Advances, 2016, 6, 41542-41550.	3.6	13
32	Charge states of size-selected silver nanoparticles produced by magnetron sputtering. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	10
33	Direct observation of the vortex structure in high-Tc superconductors in tilted magnetic fields. Physica C: Superconductivity and Its Applications, 1992, 195, 323-326.	1.2	9
34	An ultralow-temperature scanning tunnelling microscope. Applied Physics A: Materials Science and Processing, 2001, 72, S253-S256.	2.3	9
35	Nonfouling Tunable βCD Dextran Polymer Films for Protein Applications. ACS Applied Materials & Interfaces, 2015, 7, 4160-4168.	8.0	9
36	Thermal Analysis of Organic and Nanoencapsulated Electrospun Phase Change Materials. Energies, 2021, 14, 995.	3.1	9

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37	Bio- and Hemo-Compatible Silk Fibroin PEGylated Nanocarriers for 5-Fluorouracil Chemotherapy in Colorectal Cancer: In Vitro Studies. Pharmaceutics, 2021, 13, 755.	4.5	9
38	Aluminium Alloy 8011: Surface Characteristics. Applied Mechanics and Materials, 0, 719-720, 29-37.	0.2	8
39	Atomic Force Microscopy Study of the Interactions of Indolicidin with Model Membranes and DNA. Methods in Molecular Biology, 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. Materials, 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. Polymers, 2022, 14, 1727.	4.5	8
42	Using light to bioactivate surfaces: A new way of creating oriented, active immunobiosensors. Applied Surface Science, 2007, 254, 1126-1130.	6.1	7
43	pH-Dependent Self-Assembly of the Short Surfactant-Like Peptide KA ₆ . Journal of Nanoscience and Nanotechnology, 2010, 10, 7946-7950.	0.9	7
44	Controlled deposition and combing of DNA across lithographically defined patterns on silicon. Beilstein Journal of Nanotechnology, 2013, 4, 72-76.	2.8	7
45	The Many Faces of Diphenylalanine. Journal of Self-Assembly and Molecular Electronics (SAME), 0, , .	0.0	7
46	Resolving the Conflict between Strength and Toughness in Bioactive Silica–Polymer Hybrid Materials. ACS Nano, 2022, 16, 9748-9761.	14.6	7
47	Recent Health Diagnosis Methods for Lithium-Ion Batteries. Batteries, 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. Methods in Molecular Biology, 2013, 1058, 77-88.	0.9	6
49	Formation of Conductive DNA-Based Nanowires via Conjugation of dsDNA with Cationic Peptide. Nanomaterials, 2017, 7, 128.	4.1	5
50	Flexible inorganic–organic hybrids with dual inorganic components. Materials Today Chemistry, 2021, 22, 100584.	3.5	5
51	Which factor determines the optical losses in refractory tungsten thin films at high temperatures?. Applied Surface Science, 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. Sustainability, 2022, 14, 7432.	3.2	5
53	Organized single-molecule magnets: direct observation of new Mn12 derivatives on gold. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E725-E726.	2.3	4
54	The influence of surface properties of plasma-etched polydimethylsiloxane (PDMS) on cell growth		4

and morphology. , 2010, 2010, 3804-7.

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55	Study of the tryptophan–terbium FRET pair coupled to silver nanoprisms for biosensing applications. Physical Chemistry Chemical Physics, 2013, 15, 8838.	2.8	4
56	Molecular Combing of DNA: Methods and Applications. Journal of Self-Assembly and Molecular Electronics (SAME), 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</i> â€vinylâ€2â€pyrrolidone and Acrylic Acid. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	4
58	Aligned deposition and electrical measurements on single DNA molecules. Nanotechnology, 2015, 26, 475102.	2.6	3
59	A surface plasmon resonance assay for characterisation and epitope mapping of antiâ€GLPâ€1 antibodies. Journal of Molecular Recognition, 2018, 31, e2711.	2.1	3
60	Label-free detection of biomolecular interaction — DNA — Antimicrobial peptide binding. , 2011, , .		2
61	Hypothermic Preservation of Red Blood Cells in Different Conditions of Inert Gas Xenon: Hyperbaria and Clathrates. Cryo-Letters, 2018, 39, 391-400.	0.3	2
62	The influence of columnar defects on the vortex array in Bi2Sr2CaCu2O8+x single crystals. Physica C: Superconductivity and Its Applications, 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. Journal of Self-Assembly and Molecular Electronics (SAME), 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. Biophysical Journal, 2018, 114, 278a-279a.	0.5	1
65	Xenon-Water Interaction in Bacterial Suspensions as Studied by NMR. International Journal of Biochemistry and Biophysics, 2017, 5, 26-36.	0.5	1
66	Low field irreversible response in the granular S.C. La1.8Sr0.2CuO4. European Physical Journal D, 1996, 46, 1077-1078.	0.4	0
67	Low field magnetic response of the granular superconductor La1.8Sr0.2CuO4. Journal of Experimental and Theoretical Physics, 1997, 85, 1138-1156.	0.9	Ο
68	Hypothermic preservation with Ñenon: Impact of the energy pathways. Cryobiology, 2016, 73, 433-434.	0.7	0
69	Multifunctional Drug Delivery System based on Poly-N-Vinylpyrrolydone Block Copolymer Micelles. Biophysical Journal, 2017, 112, 590a.	0.5	0
70	Melt Electrospinning of PET and Composite PET-Aerogel Fibers: An Experimental and Modeling Study. Materials, 2021, 14, 4699.	2.9	0