

Maksim Filipenko

List of Publications by Year in descending order

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90
papers

2,155
citations

361413

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h-index

315739

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93
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93
docs citations

93
times ranked

3361
citing authors

#	ARTICLE	IF	CITATIONS
1	cutPrimers: A New Tool for Accurate Cutting of Primers from Reads of Targeted Next Generation Sequencing. <i>Journal of Computational Biology</i> , 2017, 24, 1138-1143.	1.6	775
2	Comparison of Various SLAM Systems for Mobile Robot in an Indoor Environment. , 2018, , .		101
3	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. <i>PLoS ONE</i> , 2016, 11, e0147330.	2.5	96
4	Detection of Isoniazid-Resistant Mycobacterium tuberculosis Strains by a Multiplex Allele-Specific PCR Assay Targeting katG Codon 315 Variation. <i>Journal of Clinical Microbiology</i> , 2002, 40, 2509-2512.	3.9	87
5	Comparison of fluorescent intercalating dyes for quantitative loop-mediated isothermal amplification (qLAMP). <i>BioTechniques</i> , 2016, 61, 20-25.	1.8	85
6	Circular RNA: New Regulatory Molecules. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 803-815.	0.8	51
7	Metabolism of the juvenile hormone in Drosophila adults under normal conditions and heat stress: Genetical and biochemical aspects. <i>Journal of Insect Physiology</i> , 1995, 41, 179-189.	2.0	48
8	Mutations in the <i>pncA</i> and <i>rpsA</i> genes among 77 <i>Mycobacterium tuberculosis</i> isolates in Kazakhstan. <i>International Journal of Tuberculosis and Lung Disease</i> , 2015, 19, 179-184.	1.2	44
9	Walking pathways with positive feedback loops reveal DNA methylation biomarkers of colorectal cancer. <i>BMC Bioinformatics</i> , 2019, 20, 119.	2.6	37
10	Global variability of the human IgG glycome. <i>Aging</i> , 2020, 12, 15222-15259.	3.1	37
11	Genetic diversity of <i>Brucella abortus</i> and <i>Brucella melitensis</i> in Kazakhstan using MLVA-16. <i>Infection, Genetics and Evolution</i> , 2015, 34, 173-180.	2.3	36
12	Multiplex ddPCR assay for screening copy number variations in BRCA1 gene. <i>Breast Cancer Research and Treatment</i> , 2019, 178, 545-555.	2.5	36
13	Genome-wide significant association with seven novel multiple sclerosis risk loci. <i>Journal of Medical Genetics</i> , 2015, 52, 848-855.	3.2	34
14	Epidemiology of Brucellosis and Genetic Diversity of <i>Brucella abortus</i> in Kazakhstan. <i>PLoS ONE</i> , 2016, 11, e0167496.	2.5	31
15	Distribution of EGFR Mutations in 10,607 Russian Patients with Lung Cancer. <i>Molecular Diagnosis and Therapy</i> , 2016, 20, 401-406.	3.8	30
16	Mitochondrial DNA analysis of ancient sheep from Altai. <i>Animal Genetics</i> , 2017, 48, 615-618.	1.7	30
17	Efficient Differentiation of Mycobacterium tuberculosis Strains of the W-Beijing Family from Russia using Highly Polymorphic VNTR Loci. <i>European Journal of Epidemiology</i> , 2005, 20, 963-974.	5.7	27
18	CYP1A2 and CYP2D6 Gene Polymorphisms in Schizophrenic Patients with Neuroleptic Drug-Induced Side Effects. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 687-690.	0.8	25

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19	Derivatives of Bst-like Gss-polymerase with improved processivity and inhibitor tolerance. <i>Nucleic Acids Research</i> , 2017, 45, 9595-9610.	14.5	25
20	Association of the <i>MTHFR</i> (rs1801131) polymorphism with speed and strength sports in Russian and Polish athletes. <i>Journal of Sports Sciences</i> , 2014, 32, 375-382.	2.0	22
21	DNA methylation and gene expression profiling reveal <i>MFAP5</i> as a regulatory driver of extracellular matrix remodeling in varicose vein disease. <i>Epigenomics</i> , 2018, 10, 1103-1119.	2.1	21
22	Genetic Diversity of <i>Brucella melitensis</i> in Kazakhstan in Relation to World-Wide Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 1897.	3.5	21
23	Highest prevalence of the <i>Mycobacterium tuberculosis</i> Beijing genotype isolates in patients newly diagnosed with tuberculosis in the Novosibirsk oblast, Russian Federation. <i>Journal of Medical Microbiology</i> , 2011, 60, 1003-1009.	1.8	20
24	Soluble Ligand of the Immune Checkpoint Receptor (sPD-L1) in Blood Serum of Patients with Renal Cell Carcinoma. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 166, 353-357.	0.8	20
25	Immobilization stress elevates IP3receptor mRNA in adult rat hearts in a glucocorticoid-dependent manner. <i>FEBS Letters</i> , 2002, 531, 432-436.	2.8	19
26	Large Fragment of DNA Polymerase I from <i>Geobacillus</i> sp. 777: Cloning and Comparison with DNA Polymerases I in Practical Applications. <i>Molecular Biotechnology</i> , 2015, 57, 947-959.	2.4	19
27	Allele-Specific Biased Expression of the <i>CNTN6</i> Gene in iPS Cell-Derived Neurons from a Patient with Intellectual Disability and 3p26.3 Microduplication Involving the <i>CNTN6</i> Gene. <i>Molecular Neurobiology</i> , 2018, 55, 6533-6546.	4.0	18
28	Genome-wide association study in ethnic Russians suggests an association of the MHC class III genomic region with the risk of primary varicose veins. <i>Gene</i> , 2018, 659, 93-99.	2.2	17
29	Polymorphisms of genes involved in inflammation and blood vessel development influence the risk of varicose veins. <i>Clinical Genetics</i> , 2018, 94, 191-199.	2.0	15
30	Development of qPCR platform with probes for quantifying prevalent and biomedically relevant human gut microbial taxa. <i>Molecular and Cellular Probes</i> , 2020, 52, 101570.	2.1	14
31	Decrease of μ -opioid receptor mRNA level in ventral tegmental area of male mice after repeated experience of aggression. <i>Molecular Brain Research</i> , 2005, 135, 290-292.	2.3	13
32	Loss of Heterozygosity in <i>BRCA1</i> and <i>BRCA2</i> Genes in Patients with Ovarian Cancer and Probability of Its Use for Clinical Classification of Variations. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 165, 94-100.	0.8	13
33	Expanding TREC and KREC Utility in Primary Immunodeficiency Diseases Diagnosis. <i>Frontiers in Immunology</i> , 2020, 11, 320.	4.8	12
34	Dendritic Cells Transfected with a <i>DNA</i> Construct Encoding Tumour-associated Antigen Epitopes Induce a Cytotoxic Immune Response Against Autologous Tumour Cells in a Culture of Mononuclear Cells from Colorectal Cancer Patients. <i>Scandinavian Journal of Immunology</i> , 2015, 82, 110-117.	2.7	11
35	Hypolipidemic Berberine Derivatives with a Reduced Aromatic Ring C. <i>Chemistry of Natural Compounds</i> , 2015, 51, 916-922.	0.8	11
36	Computational master-regulator search reveals mTOR and PI3K pathways responsible for low sensitivity of NCI-H292 and A427 lung cancer cell lines to cytotoxic action of p53 activator Nutlin-3. <i>BMC Medical Genomics</i> , 2018, 11, 12.	1.5	11

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37	TREC and KREC Levels as a Predictors of Lymphocyte Subpopulations Measured by Flow Cytometry. <i>Frontiers in Physiology</i> , 2018, 9, 1877.	2.8	11
38	NGS-PrimerPlex: High-throughput primer design for multiplex polymerase chain reactions. <i>PLoS Computational Biology</i> , 2020, 16, e1008468.	3.2	11
39	Platinum-based chemotherapy for pancreatic cancer: impact of mutations in the homologous recombination repair and Fanconi anemia genes. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592210830.	3.2	11
40	Associations of Polymorphic Variant of MnSOD Gene with Breast Cancer in Residents of the Altai Region. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 84-87.	0.8	10
41	Angiotensin-Like Proteins 4 (ANGPTL4) Gene Polymorphisms and Risk of Brain Arteriovenous Malformation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 908-913.	1.6	10
42	BRCA-analyzer: Automatic workflow for processing NGS reads of BRCA1 and BRCA2 genes. <i>Computational Biology and Chemistry</i> , 2018, 77, 297-306.	2.3	10
43	Molecular characterization of <i>Mycoplasma pneumoniae</i> infections in Moscow from 2015 to 2018. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 257-263.	2.9	10
44	Transcriptome Patterns of BRCA1- and BRCA2- Mutated Breast and Ovarian Cancers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1266.	4.1	10
45	Polymorphism of Matrix Metalloproteinases Genes MMP1, MMP2, MMP3, and MMP7 and the Risk of Varicose Veins of Lower Extremities. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 163, 650-654.	0.8	9
46	Elimination of DNA Multimerization Arising from Isothermal Amplification in the Presence of Bst Exoâ€“ DNA Polymerase. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 52-59.	1.0	9
47	Role of Polymorphic Variants of MTR Gene A2756G and SHMT1 Gene C1420T in the Development of Prostatic Cancer in Residents of the Western Siberian Region of Russia. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 152, 466-469.	0.8	8
48	Functional polymorphism rs1024611 in the MCP1 gene is associated with the risk of varicose veins of lower extremities. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2017, 5, 561-566.	1.6	8
49	LDLR up-regulatory activity of berberine and its bromo and iodo derivatives in human liver HepG2 cells. <i>Doklady Chemistry</i> , 2011, 439, 204-208.	0.9	7
50	DNA-Binding Domain of DNA Ligase from the Thermophilic Archaeon <i>Pyrococcus abyssi</i> : Improving Long-Range PCR and Neutralization of Heparinâ€™s Inhibitory Effect. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1859-1869.	2.9	7
51	Association between the Prevalence of Somatic Mutations in PIK3CA Gene in Tumors and Clinical and Morphological Characteristics of Breast Cancer Patients. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 163, 250-254.	0.8	7
52	<i>Mycoplasma hyorhinis</i> reduces sensitivity of human lung carcinoma cells to Nutlin-3 and promotes their malignant phenotype. <i>Journal of Cancer Research and Clinical Oncology</i> , 2018, 144, 1289-1300.	2.5	7
53	Molecular & genetic characteristics of <i>Mycobacterium tuberculosis</i> strains circulating in the southern part of West Siberia. <i>Indian Journal of Medical Research</i> , 2017, 146, 49.	1.0	7
54	Improvement of ways to obtain ethidium bromide and synthesis of ethidium ethyl sulfate, a new fluorescent dye for detection of nucleic acids. <i>Russian Journal of Applied Chemistry</i> , 2011, 84, 1541-1548.	0.5	6

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55	Polymorphisms in inflammation-related genes and the risk of primary varicose veins in ethnic Russians. <i>Immunologic Research</i> , 2018, 66, 141-150.	2.9	6
56	Studying the Association of Polymorphic Variants of GSTM1 and GSTT1 Genes with Breast Cancer in Female Residents of Altai Krai. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 148, 89-93.	0.8	5
57	Use of the VH6-1 gene segment to code for anti-interleukin-18 autoantibodies in multiple sclerosis. <i>Immunogenetics</i> , 2016, 68, 237-246.	2.4	5
58	Highly Sensitive and Reliable Detection of EGFR Exon 19 Deletions by Droplet Digital Polymerase Chain Reaction. <i>Molecular Diagnosis and Therapy</i> , 2017, 21, 555-562.	3.8	5
59	Detection of Mutations in Mycobacterium tuberculosis pncA Gene by Modified High-Resolution Melting Curve Analysis of PCR Products. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 168, 264-269.	0.8	5
60	Hemostasis protein-coding genes, peripheral hemostasis parameters, and atherothrombosis predisposition in patients with cardiovascular disease. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2011, 10, 90-95.	1.4	5
61	Abstract 1241: Profile of BRCA1/BRCA2 mutations in Russian ovarian cancer population detected by NGS and MLPA analysis: Interim results of OVATAR study. <i>Cancer Research</i> , 2018, 78, 1241-1241.	0.9	5
62	Assignment of the L11 ribosomal protein gene (RPL11) to human chromosome 1p36.1p35 by in situ hybridization. <i>Cytogenetic and Genome Research</i> , 1999, 84, 97-98.	1.1	4
63	Alternative Splicing of Murine Interleukin-4 mRNA. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 137, 179-181.	0.8	4
64	Magnetofection of Human Somatic Cells with Magnetite and Cobalt Ferrosipinel Nanoparticles. <i>Bulletin of Experimental Biology and Medicine</i> , 2013, 154, 673-676.	0.8	4
65	Allele rs2010963 C of the <i>VEGFA</i> gene is associated with the decreased risk of primary varicose veins in ethnic Russians. <i>Phlebology</i> , 2018, 33, 27-35.	1.2	4
66	One-phase phenol-free method for microRNA isolation from blood plasma. <i>MethodsX</i> , 2018, 5, 737-743.	1.6	4
67	Absence of EGFR C797S Mutation in Tyrosine Kinase Inhibitor-Naïve Non-Small Cell Lung Cancer Tissues. <i>Pathology and Oncology Research</i> , 2020, 26, 1229-1234.	1.9	4
68	Features of the cell composition of inflammatory infiltrate in different phases of diffuse alveolar lung damage with COVID-19. <i>Arkhiv Patologii</i> , 2022, 84, 5.	0.2	4
69	Alternative splicing of interleukin-6 mRNA in mice. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 138, 73-76.	0.8	3
70	Polymorphisms in the MTHFR and MTR genes and the risk of varicose veins in ethnical Russians. <i>Biomarkers</i> , 2016, 21, 619-624.	1.9	3
71	Role of Polymorphic Loci in HLA-Region rs2647012 and rs805288 in the Development of Non-Hodgkin's Malignant Lymphomas in Western Siberia. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 157, 180-183.	0.8	2
72	Allele and genotype frequencies of polymorphisms in cytokine genes in ethnic Russian individuals from Moscow, Russia. <i>Human Immunology</i> , 2017, 78, 190-191.	2.4	2

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73	The Effect of Adding Modified Chitosan on the Strength Properties of Bacterial Cellulose for Clinical Applications. <i>Polymers</i> , 2021, 13, 1995.	4.5	2
74	Detection and Characteristics of Rifampicin-Resistant Isolates of <i>Mycobacterium tuberculosis</i> . <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 659-663.	0.8	1
75	Polymorphic Variants rs13155212 (T/C) and rs7704267 (G/C) in the AGGF1 Gene and Risk of Varicose Veins of the Lower Extremities in the Population of Ethnic Russians. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 698-702.	0.8	1
76	Comparison of polymerase chain reaction and flow cytometry for measuring telomere length of human leukocytes. <i>Klinicheskaya Laboratornaya Diagnostika</i> , 2021, 66, 154-159.	0.5	1
77	Genetic Factors Leading to Recurrent Varicose Veins after Surgical Treatment. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, 9, 537.	1.6	1
78	Phenotypic and genetic characteristics of patients with type 2 diabetes with different responses to metformin therapy in Novosibirsk region. <i>Diabetes Mellitus</i> , 2016, 19, 125-131.	1.9	1
79	THE ROLE OF PHOSPHATIDYLINOSITOL-3-KINASE IN CARCINOGENESIS. <i>Voprosy Onkologii</i> , 2017, 63, 545-556.	0.2	1
80	ErbB4 Is a Potential Key Regulator of the Pathways Activated by NTRK-Fusions in Thyroid Cancer. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2506.	2.5	1
81	Mutations in codon 61 of H-ras gene in mouse liver tumors induced by potent and weak carcinogens. <i>Bulletin of Experimental Biology and Medicine</i> , 2000, 129, 71-73.	0.8	0
82	Antagonistic Activity of Intestinal Lactobacteria from Domestic Fowl against Clinical Isolates of <i>Salmonella enterica</i> . <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 801-803.	0.8	0
83	Effect of Modified Heptamethyltrisiloxane on the Efficiency of <i>Agrobacterium</i> -Mediated Transformation and Expression of Recombinant Structure in Plant Cell and Tissue Culture. <i>Key Engineering Materials</i> , 0, 683, 506-510.	0.4	0
84	Top SNPs from the genome-wide association study catalog and the risk of varicose veins of lower extremities: A replication study. <i>Meta Gene</i> , 2017, 12, 47-49.	0.6	0
85	Population specific analysis of Yakut exomes. <i>Doklady Biochemistry and Biophysics</i> , 2017, 474, 213-216.	0.9	0
86	Comparative Characteristics of Discrimination of <i>S. enterica</i> Isolates by Phagotyping Test and Dienes Test. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 790-793.	0.8	0
87	Comparison of Analytical Characteristics of Commercial and in-House Methods for DNA Isolation from Paraffin Histology Blocks. <i>Journal of Analytical Oncology</i> , 2017, 6, 1-6.	0.1	0
88	Research of association of the polymorphic locus rs11212617 ATM gene with the response to therapy with metformin in patients with type 2 diabetes. <i>Problemy Endokrinologii</i> , 2017, 63, 9-16.	0.8	0
89	Detection of Ser450Leu mutation in rpoB gene of <i>Mycobacterium tuberculosis</i> by allele-specific loop-mediated isothermal DNA amplification method. <i>Bulletin of Russian State Medical University</i> , 2019, , 34-40.	0.2	0
90	Systemic Changes of Gene Expression in Venous Tissue Leading to Varicose Vein Disease Could Be Potentially Treated by Targeting PSMA7 and DUSP9 Genes' Activity. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2022, 10, 543.	1.6	0