

Maksim Filipenko

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,155
citations

361413

20
h-index

315739

38
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93
all docs

93
docs citations

93
times ranked

3361
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Systemic Changes of Gene Expression in Venous Tissue Leading to Varicose Vein Disease Could Be Potentially Treated by Targeting PSMA7 and DUSP9 Genesâ€™ Activity. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2022, 10, 543.	1.6	0
4	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
5	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
6	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
7	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
8	Transcriptome Patterns of BRCA1- and BRCA2- Mutated Breast and Ovarian Cancers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1266.	4.1	10
9	Absence of EGFR C797S Mutation in Tyrosine Kinase Inhibitor-Naïve Nonâ€“Small Cell Lung Cancer Tissues. <i>Pathology and Oncology Research</i> , 2020, 26, 1229-1234.	1.9	4
10	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
11	Expanding TREC and KREC Utility in Primary Immunodeficiency Diseases Diagnosis. <i>Frontiers in Immunology</i> , 2020, 11, 320.	4.8	12
12	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
13	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
14	NGS-PrimerPlex: High-throughput primer design for multiplex polymerase chain reactions. <i>PLoS Computational Biology</i> , 2020, 16, e1008468.	3.2	11
15	Global variability of the human IgG glycome. <i>Aging</i> , 2020, 12, 15222-15259.	3.1	37
16	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
17	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
18	Walking pathways with positive feedback loops reveal DNA methylation biomarkers of colorectal cancer. <i>BMC Bioinformatics</i> , 2019, 20, 119.	2.6	37

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19	Detection of Mutations in Mycobacterium tuberculosis pncA Gene by Modified High-Resolution Melting Curve Analysis of PCR Products. Bulletin of Experimental Biology and Medicine, 2019, 168, 264-269.	0.8	5
20	Soluble Ligand of the Immune Checkpoint Receptor (sPD-L1) in Blood Serum of Patients with Renal Cell Carcinoma. Bulletin of Experimental Biology and Medicine, 2019, 166, 353-357.	0.8	20
21	Detection of Ser450Leu mutation in rpoB gene of Mycobacterium tuberculosis by allele-specific loop-mediated isothermal DNA amplification method. Bulletin of Russian State Medical University, 2019, , 34-40.	0.2	0
22	Polymorphisms of genes involved in inflammation and blood vessel development influence the risk of varicose veins. Clinical Genetics, 2018, 94, 191-199.	2.0	15
23	Comparative Characteristics of Discrimination of S. enterica Isolates by Phagotyping Test and Dienes Test. Bulletin of Experimental Biology and Medicine, 2018, 164, 790-793.	0.8	0
24	Circular RNA: New Regulatory Molecules. Bulletin of Experimental Biology and Medicine, 2018, 164, 803-815.	0.8	51
25	Polymorphisms in inflammation-related genes and the risk of primary varicose veins in ethnic Russians. Immunologic Research, 2018, 66, 141-150.	2.9	6
26	Allele-Specific Biased Expression of the CNTN6 Gene in iPS Cell-Derived Neurons from a Patient with Intellectual Disability and 3p26.3 Microduplication Involving the CNTN6 Gene. Molecular Neurobiology, 2018, 55, 6533-6546.	4.0	18
27	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. BMC Medical Genomics, 2018, 11, 12.	1.5	11
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. Gene, 2018, 659, 93-99.	2.2	17
29	Allele rs2010963 C of the <i>VEGFA</i> gene is associated with the decreased risk of primary varicose veins in ethnic Russians. Phlebology, 2018, 33, 27-35.	1.2	4
30	Angiopoietin-Like Proteins 4 (ANGPTL4) Gene Polymorphisms and Risk of Brain Arteriovenous Malformation. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 908-913.	1.6	10
31	Comparison of Various SLAM Systems for Mobile Robot in an Indoor Environment. , 2018, , .		101
32	BRCA-analyzer: Automatic workflow for processing NGS reads of BRCA1 and BRCA2 genes. Computational Biology and Chemistry, 2018, 77, 297-306.	2.3	10
33	Loss of Heterozygosity in BRCA1 and BRCA2 Genes in Patients with Ovarian Cancer and Probability of Its Use for Clinical Classification of Variations. Bulletin of Experimental Biology and Medicine, 2018, 165, 94-100.	0.8	13
34	DNA methylation and gene expression profiling reveal <i>MFAP5</i> as a regulatory driver of extracellular matrix remodeling in varicose vein disease. Epigenomics, 2018, 10, 1103-1119.	2.1	21
35	Mycoplasma hyorhinis reduces sensitivity of human lung carcinoma cells to Nutlin-3 and promotes their malignant phenotype. Journal of Cancer Research and Clinical Oncology, 2018, 144, 1289-1300.	2.5	7
36	One-phase phenol-free method for microRNA isolation from blood plasma. MethodsX, 2018, 5, 737-743.	1.6	4

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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	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
39	Top SNPs from the phenome-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
40	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
41	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
42	Mitochondrial DNA analysis of ancient sheep from Altai. <i>Animal Genetics</i> , 2017, 48, 615-618.	1.7	30
43	Derivatives of Bst-like Gss-polymerase with improved processivity and inhibitor tolerance. <i>Nucleic Acids Research</i> , 2017, 45, 9595-9610.	14.5	25
44	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
45	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
46	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
47	Population specific analysis of Yakut exomes. <i>Doklady Biochemistry and Biophysics</i> , 2017, 474, 213-216.	0.9	0
48	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
49	Molecular & genetic characteristics of Mycobacterium tuberculosis strains circulating in the southern part of West Siberia. <i>Indian Journal of Medical Research</i> , 2017, 146, 49.	1.0	7
50	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
51	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
52	THE ROLE OF PHOSPHATIDYLINOSITOL-3-KINASE IN CARCINOGENESIS. <i>Voprosy Onkologii</i> , 2017, 63, 545-556.	0.2	1
53	Comparison of fluorescent intercalating dyes for quantitative loop-mediated isothermal amplification (qLAMP). <i>BioTechniques</i> , 2016, 61, 20-25.	1.8	85
54	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. <i>PLoS ONE</i> , 2016, 11, e0147330.	2.5	96

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55	Epidemiology of Brucellosis and Genetic Diversity of <i>Brucella abortus</i> in Kazakhstan. PLoS ONE, 2016, 11, e0167496.	2.5	31
56	Antagonistic Activity of Intestinal Lactobacteria from Domestic Fowl against Clinical Isolates of <i>Salmonella enterica</i> . Bulletin of Experimental Biology and Medicine, 2016, 161, 801-803.	0.8	0
57	CYP1A2 and CYP2D6 Gene Polymorphisms in Schizophrenic Patients with Neuroleptic Drug-Induced Side Effects. Bulletin of Experimental Biology and Medicine, 2016, 160, 687-690.	0.8	25
58	Detection and Characteristics of Rifampicin-Resistant Isolates of <i>Mycobacterium tuberculosis</i> . Bulletin of Experimental Biology and Medicine, 2016, 160, 659-663.	0.8	1
59	Polymorphisms in the MTHFR and MTR genes and the risk of varicose veins in ethnical Russians. Biomarkers, 2016, 21, 619-624.	1.9	3
60	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. Bulletin of Experimental Biology and Medicine, 2016, 161, 698-702.	0.8	1
61	Distribution of EGFR Mutations in 10,607 Russian Patients with Lung Cancer. Molecular Diagnosis and Therapy, 2016, 20, 401-406.	3.8	30
62	Use of the VH6-1 gene segment to code for anti-interleukin-18 autoantibodies in multiple sclerosis. Immunogenetics, 2016, 68, 237-246.	2.4	5
63	Phenotypic and genetic characteristics of patients with type 2 diabetes with different responses to metformin therapy in Novosibirsk region. Diabetes Mellitus, 2016, 19, 125-131.	1.9	1
64	Mutations in the <i>pncA</i> and <i>rpsA</i> genes among 77 <i>Mycobacterium tuberculosis</i> isolates in Kazakhstan. International Journal of Tuberculosis and Lung Disease, 2015, 19, 179-184.	1.2	44
65	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. Scandinavian Journal of Immunology, 2015, 82, 110-117.	2.7	11
66	DNA-Binding Domain of DNA Ligase from the Thermophilic Archaeon <i>Pyrococcus abyssi</i> : Improving Long-Range PCR and Neutralization of Heparin's Inhibitory Effect. Applied Biochemistry and Biotechnology, 2015, 176, 1859-1869.	2.9	7
67	Hypolipidemic Berberine Derivatives with a Reduced Aromatic Ring C. Chemistry of Natural Compounds, 2015, 51, 916-922.	0.8	11
68	Genetic diversity of <i>Brucella abortus</i> and <i>Brucella melitensis</i> in Kazakhstan using MLVA-16. Infection, Genetics and Evolution, 2015, 34, 173-180.	2.3	36
69	Genome-wide significant association with seven novel multiple sclerosis risk loci. Journal of Medical Genetics, 2015, 52, 848-855.	3.2	34
70	Large Fragment of DNA Polymerase I from <i>Geobacillus</i> sp. 777: Cloning and Comparison with DNA Polymerases I in Practical Applications. Molecular Biotechnology, 2015, 57, 947-959.	2.4	19
71	Association of the <i>MTHFR</i> 1298A>C (rs1801131) polymorphism with speed and strength sports in Russian and Polish athletes. Journal of Sports Sciences, 2014, 32, 375-382.	2.0	22
72	Role of Polymorphic Loci in HLA-Region rs2647012 and rs805288 in the Development of Non-Hodgkin's Malignant Lymphomas in Western Siberia. Bulletin of Experimental Biology and Medicine, 2014, 157, 180-183.	0.8	2

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73	Magnetofection of Human Somatic Cells with Magnetite and Cobalt Ferrosipinel Nanoparticles. Bulletin of Experimental Biology and Medicine, 2013, 154, 673-676.	0.8	4
74	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. Bulletin of Experimental Biology and Medicine, 2012, 152, 466-469.	0.8	8
75	LDLR up-regulatory activity of berberine and its bromo and iodo derivatives in human liver HepG2 cells. Doklady Chemistry, 2011, 439, 204-208.	0.9	7
76	Improvement of ways to obtain ethidium bromide and synthesis of ethidium ethyl sulfate, a new fluorescent dye for detection of nucleic acids. Russian Journal of Applied Chemistry, 2011, 84, 1541-1548.	0.5	6
77	Highest prevalence of the Mycobacterium tuberculosis Beijing genotype isolates in patients newly diagnosed with tuberculosis in the Novosibirsk oblast, Russian Federation. Journal of Medical Microbiology, 2011, 60, 1003-1009.	1.8	20
78	Hemostasis protein-coding genes, peripheral hemostasis parameters, and atherothrombosis predisposition in patients with cardiovascular disease. Cardiovascular Therapy and Prevention (Russian Federation), 2011, 10, 90-95.	1.4	5
79	Associations of Polymorphic Variant of MnSOD Gene with Breast Cancer in Residents of the Altai Region. Bulletin of Experimental Biology and Medicine, 2009, 147, 84-87.	0.8	10
80	Studying the Association of Polymorphic Variants of GSTM1 and GSTT1 Genes with Breast Cancer in Female Residents of Altai Krai. Bulletin of Experimental Biology and Medicine, 2009, 148, 89-93.	0.8	5
81	Efficient Differentiation of Mycobacterium tuberculosis Strains of the W-Beijing Family from Russia using Highly Polymorphic VNTR Loci. European Journal of Epidemiology, 2005, 20, 963-974.	5.7	27
82	Decrease of μ -opioid receptor mRNA level in ventral tegmental area of male mice after repeated experience of aggression. Molecular Brain Research, 2005, 135, 290-292.	2.3	13
83	Alternative Splicing of Murine Interleukin-4 mRNA. Bulletin of Experimental Biology and Medicine, 2004, 137, 179-181.	0.8	4
84	Alternative splicing of interleukin-6 mRNA in mice. Bulletin of Experimental Biology and Medicine, 2004, 138, 73-76.	0.8	3
85	Detection of Isoniazid-Resistant Mycobacterium tuberculosis Strains by a Multiplex Allele-Specific PCR Assay Targeting katG Codon 315 Variation. Journal of Clinical Microbiology, 2002, 40, 2509-2512.	3.9	87
86	Immobilization stress elevates IP3receptor mRNA in adult rat hearts in a glucocorticoid-dependent manner. FEBS Letters, 2002, 531, 432-436.	2.8	19
87	Mutations in codon 61 of H-ras gene in mouse liver tumors induced by potent and weak carcinogens. Bulletin of Experimental Biology and Medicine, 2000, 129, 71-73.	0.8	0
88	Assignment of the L11 ribosomal protein gene (RPL11) to human chromosome 1p36.1-p35 by in situ hybridization. Cytogenetic and Genome Research, 1999, 84, 97-98.	1.1	4
89	Metabolism of the juvenile hormone in Drosophila adults under normal conditions and heat stress: Genetical and biochemical aspects. Journal of Insect Physiology, 1995, 41, 179-189.	2.0	48
90	Effect of Modified Heptamethyltrisiloxane on the Efficiency of Agrobacterium-Mediated Transformation and Expression of Recombinant Structure in Plant Cell and Tissue Culture. Key Engineering Materials, 0, 683, 506-510.	0.4	0