

Yerlan Ramankulov

List of Publications by Year in descending order

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85
papers

2,481
citations

201385

27
h-index

205818

48
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94
all docs

94
docs citations

94
times ranked

4068
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-Based Electrochemical Biosensor for Interferon Gamma Detection. <i>Analytical Chemistry</i> , 2010, 82, 8131-8136.	3.2	271
2	Geographical and temporal distribution of SARS-CoV-2 clades in the WHO European Region, January to June 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	186
3	Development of an Aptamer Beacon for Detection of Interferon-Gamma. <i>Analytical Chemistry</i> , 2010, 82, 1851-1857.	3.2	141
4	FastPCR: An in silico tool for fast primer and probe design and advanced sequence analysis. <i>Genomics</i> , 2017, 109, 312-319.	1.3	133
5	Enhanced stability of enzyme organophosphate hydrolase interfaced on the carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 69-74.	2.5	127
6	The Genome Sequence of Yersinia pestis Bacteriophage ϕ A1122 Reveals an Intimate History with the Coliphage T3 and T7 Genomes. <i>Journal of Bacteriology</i> , 2003, 185, 5248-5262.	1.0	95
7	A microdevice for multiplexed detection of T-cell-secreted cytokines. <i>Lab on A Chip</i> , 2008, 8, 2197.	3.1	92
8	Detecting Cytokine Release from Single T-cells. <i>Analytical Chemistry</i> , 2009, 81, 8150-8156.	3.2	88
9	Lensfree Holographic Imaging of Antibody Microarrays for High-Throughput Detection of Leukocyte Numbers and Function. <i>Analytical Chemistry</i> , 2010, 82, 3736-3744.	3.2	88
10	Genetic analysis of the T4 holin: timing and topology. <i>Gene</i> , 2001, 265, 25-36.	1.0	67
11	Using growth factor arrays and micropatterned co-cultures to induce hepatic differentiation of embryonic stem cells. <i>Biomaterials</i> , 2010, 31, 9221-9231.	5.7	63
12	Lysozyme-mediated formation of protein-silica nano-composites for biosensing applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 58-64.	2.5	59
13	Genome Comparison and Proteomic Characterization of Thermus thermophilus Bacteriophages P23-45 and P74-26: Siphoviruses with Triplex-forming Sequences and the Longest Known Tails. <i>Journal of Molecular Biology</i> , 2008, 378, 468-480.	2.0	56
14	Cultivating hepatocytes on printed arrays of HGF and BMP7 to characterize protective effects of these growth factors during in vitro alcohol injury. <i>Biomaterials</i> , 2010, 31, 5936-5944.	5.7	56
15	Elevated plasma osteopontin as marker for distant metastases and poor survival in patients with renal cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2007, 133, 643-652.	1.2	54
16	An ancient player unmasked: T4 rI encodes a t-specific antiholin. <i>Molecular Microbiology</i> , 2001, 41, 575-583.	1.2	51
17	Cultivating liver cells on printed arrays of hepatocyte growth factor. <i>Biomaterials</i> , 2009, 30, 3733-3741.	5.7	48
18	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.	0.6	44

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19	Exercising Spatiotemporal Control of Cell Attachment with Optically Transparent Microelectrodes. <i>Langmuir</i> , 2008, 24, 6837-6844.	1.6	40
20	Modulating endogenous gene expression of mammalian cells via RNA-small molecule interaction. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 169-173.	1.0	39
21	Detecting interferon-gamma release from human CD4 T-cells using surface plasmon resonance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 251-255.	2.5	39
22	Functional analysis of the phage T4 holin in a λ -context. <i>Molecular Genetics and Genomics</i> , 2001, 265, 345-353.	1.0	37
23	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.	1.0	36
24	Temporal Regulation of Gene Expression of the <i>Thermus thermophilus</i> Bacteriophage P23-45. <i>Journal of Molecular Biology</i> , 2011, 405, 125-142.	2.0	33
25	Epidemiology of Brucellosis and Genetic Diversity of <i>Brucella abortus</i> in Kazakhstan. <i>PLoS ONE</i> , 2016, 11, e0167496.	1.1	31
26	Antimicrobial susceptibility of <i>Brucella melitensis</i> in Kazakhstan. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 130.	1.5	31
27	PUB-MS: A Mass Spectrometry-based Method to Monitor Protein-Protein Proximity <i>in vivo</i> . <i>Journal of Proteome Research</i> , 2011, 10, 4416-4427.	1.8	30
28	Mitochondrial and Y-chromosomal profile of the Kazakh population from East Kazakhstan. <i>Croatian Medical Journal</i> , 2013, 54, 17-24.	0.2	29
29	Multifunctional Protein Microarrays for Cultivation of Cells and Immunodetection of Secreted Cellular Products. <i>Analytical Chemistry</i> , 2008, 80, 6351-6357.	3.2	28
30	Association between 28 single nucleotide polymorphisms and type 2 diabetes mellitus in the Kazakh population: a case-control study. <i>BMC Medical Genetics</i> , 2017, 18, 76.	2.1	28
31	Blind source separation methods for deconvolution of complex signals in cancer biology. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1182-1187.	1.0	27
32	PUB-NChIP ² <i>in vivo</i> biotinylation approach to study chromatin in proximity to a protein of interest. <i>Genome Research</i> , 2013, 23, 331-340.	2.4	27
33	Directing hepatic differentiation of embryonic stem cells with protein microarray-based co-cultures. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 460.	0.6	25
34	Recombinant Vaccinia virus-coded interferon inhibitor B18R: Expression, refolding and a use in a mammalian expression system with a RNA-vector. <i>PLoS ONE</i> , 2017, 12, e0189308.	1.1	23
35	Genetic Diversity of <i>Brucella melitensis</i> in Kazakhstan in Relation to World-Wide Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 1897.	1.5	21
36	Association of Cytokine Gene Polymorphisms with Gastritis in a Kazakh Population. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 7763-7768.	0.5	21

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37	Characterization of DNA substrate specificities of apurinic/apyrimidinic endonucleases from <i>Mycobacterium tuberculosis</i> . <i>DNA Repair</i> , 2015, 33, 1-16.	1.3	17
38	Genetic Risk Factors for Intracranial Aneurysm in the Kazakh Population. <i>Journal of Molecular Neuroscience</i> , 2018, 66, 135-145.	1.1	17
39	SplitCore Technology Allows Efficient Production of Virus-Like Particles Presenting a Receptor-Contacting Epitope of Human IgE. <i>Molecular Biotechnology</i> , 2015, 57, 746-755.	1.3	10
40	Express Immunochromatographic Detection of Antibodies against <i>Brucella Abortus</i> in Cattle Sera Based on Quantitative Photometric Registration and Modulated Cut-Off Level. <i>Journal of Immunoassay and Immunochemistry</i> , 2015, 36, 80-90.	0.5	10
41	Polymorphisms in genes involved in the absorption, distribution, metabolism, and excretion of drugs in the Kazakhs of Kazakhstan. <i>BMC Genetics</i> , 2016, 17, 23.	2.7	10
42	Network analysis of gene lists for finding reproducible prognostic breast cancer gene signatures. <i>Bioinformatics</i> , 2012, 8, 773-776.	0.2	10
43	Micropatterned co-cultures of T-lymphocytes and epithelial cells as a model of mucosal immune system. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 575-580.	1.0	9
44	Genetic risk factors for restenosis after percutaneous coronary intervention in Kazakh population. <i>Human Genomics</i> , 2016, 10, 15.	1.4	8
45	Unusual Stability of a Recombinant <i>Verrucomicrobium spinosum</i> Tyrosinase to Denaturing Agents and Its Use for a Production of a Protein with Adhesive Properties. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 736-754.	1.4	7
46	Type 2 diabetes mellitus: distribution of genetic markers in Kazakh population. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 377-388.	1.3	7
47	Characterization of biochemical properties of an apurinic/apyrimidinic endonuclease from <i>Helicobacter pylori</i> . <i>PLoS ONE</i> , 2018, 13, e0202232.	1.1	7
48	Determinants of resistance in <i>Bacteroides fragilis</i> strain BFR_KZ01 isolated from a patient with peritonitis in Kazakhstan. <i>Journal of Global Antimicrobial Resistance</i> , 2021, 25, 1-4.	0.9	7
49	BRCA1 and BRCA2 Gene Mutations Screening In Sporadic Breast Cancer Patients In Kazakhstan.. <i>Central Asian Journal of Global Health</i> , 2013, 2, 29.	0.6	7
50	Direct DNA Lesion Reversal and Excision Repair in <i>Escherichia coli</i> . <i>EcoSal Plus</i> , 2013, 5, .	2.1	6
51	Improvement of Neurological Function in Rats with Ischemic Stroke by Adipose-derived Pericytes. <i>Cell Transplantation</i> , 2020, 29, 096368972095695.	1.2	6
52	Immunochromatographic System for Serodiagnostics of Cattle Brucellosis Using Gold Nanoparticles and Signal Amplification with Quantum Dots. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 738.	1.3	6
53	<i>Bacillus anthracis</i> Phylogeography: New Clues From Kazakhstan, Central Asia. <i>Frontiers in Microbiology</i> , 2021, 12, 778225.	1.5	6
54	Exploring the use of dimethylsulfate for in vivo proteome footprinting. <i>Proteomics</i> , 2011, 11, 249-260.	1.3	5

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55	Genetic diversity of <i>Francisella tularensis</i> subsp. <i>holarctica</i> in Kazakhstan. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009419.	1.3	5
56	Reconstructing the genetic structure of the Kazakh from clan distribution data. <i>Vavilovskii Zhurnal Genetiki i Seleksii</i> , 2018, 22, 895-904.	0.4	5
57	Genomic analysis of Latin American-Mediterranean family of <i>Mycobacterium tuberculosis</i> clinical strains from Kazakhstan. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2020, 115, e200215.	0.8	5
58	Development of immunochromatographic test system for rapid detection of the lipopolysaccharide antigen and cells of the causative agent of bovine brucellosis. <i>Applied Biochemistry and Microbiology</i> , 2012, 48, 590-597.	0.3	4
59	Transient expression of a bovine leukemia virus envelope glycoprotein in plants by a recombinant TBSV vector. <i>Journal of Virological Methods</i> , 2018, 255, 1-7.	1.0	4
60	Epidemiological Outbreaks of Measles Virus in Kazakhstan during 2015. <i>Japanese Journal of Infectious Diseases</i> , 2018, 71, 354-359.	0.5	4
61	Obtaining and characterization of monoclonal antibodies against recombinant extracellular domain of human epidermal growth factor receptor 2. <i>Human Antibodies</i> , 2019, 26, 103-111.	0.6	4
62	Towards development of plasmacytoma cells-based expression systems utilizing alphavirus vectors: An NS0-VEE model. <i>Journal of Virological Methods</i> , 2019, 274, 113734.	1.0	3
63	Draft Genome Sequence of <i>Moraxella bovoculi</i> Strain KZ-1, Isolated from Cattle in North Kazakhstan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
64	Draft Genome Sequence of an Extensively Drug-Resistant <i>Mycobacterium tuberculosis</i> Clinical Isolate, 3485_MTB, from Nur-Sultan, Kazakhstan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
65	Fluorescent tagging the NS1 protein in yellow fever virus: Replication-capable viruses which produce the secretory GFP-NS1 fusion protein. <i>Virus Research</i> , 2021, 294, 198291.	1.1	3
66	Mutational Screening of the BRCA1 Gene in Sporadic Breast Cancer in Kazakhstan Population. <i>Breast Journal</i> , 2011, 17, 328-330.	0.4	2
67	Adipose-derived perivascular stem cells promote sensorimotor recovery after ischemic stroke in rats. <i>Journal of Biotechnology</i> , 2017, 256, S116.	1.9	2
68	A Novel Mutation in a Kazakh Family with X-Linked Alport Syndrome. <i>PLoS ONE</i> , 2015, 10, e0132010.	1.1	2
69	Recombinant Tyrosinase from <i>Verrucomicrobium spinosum</i> : Isolation, Characteristics and Use for Production of Protein with Adhesive Properties. <i>Biotekhnologiya</i> , 2017, 33, 12-27.	0.5	2
70	Association of polymorphisms in TP53 and the promoter region of IL10 with gastric cancer in a Kazakh population. <i>Bosnian Journal of Basic Medical Sciences</i> , 2020, 20, 539-546.	0.6	2
71	Recombinant Tyrosinase from <i>Verrucomicrobium spinosum</i> : Isolation, Characteristics, and Use for the Production of a Protein with Adhesive Properties. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 780-792.	0.3	1
72	Draft Genome Sequence of a Potential Commercial Biocellulose Producer, Strain <i>Komagataeibacter europaeus</i> GH1. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	1

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73	Draft Genome Sequence of the Strain <i>Francisella tularensis</i> subsp. <i>mediasiatica</i> 240, Isolated in Kazakhstan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	1
74	Creation of the probiotic consortium on the base of strains <i>Bifidobacterium</i> spp.. <i>Malaysian Journal of Microbiology</i> , 2009, , .	0.1	1
75	Retrospective Analysis of the Relationship between Two Anthrax Outbreaks in Kazakhstan Based on Genomic Data. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	1
76	PD06-09 TEN-YEAR ACTIVE MONITORING IN PATIENTS WITH HIGH RISK OF PROSTATE CANCER BY ANNA/C-TRUS IMAGING. <i>Journal of Urology</i> , 2016, 195, .	0.2	0
77	In planta expression of BLV envelope glycoprotein gp51 by TBSV-based viral vector. <i>Journal of Biotechnology</i> , 2017, 256, S39.	1.9	0
78	Expression and purification of breast cancer marker HER2. <i>Journal of Biotechnology</i> , 2017, 256, S90-S91.	1.9	0
79	In vitro direct regeneration and genetic transformation of cotton cultivars from Kazakhstan. <i>Journal of Biotechnology</i> , 2017, 256, S39-S40.	1.9	0
80	Biochemical parameters of XthA apurinic/aprimidinic (AP) endonuclease of <i>Helicobacter pylori</i> . <i>Journal of Biotechnology</i> , 2018, 280, S71.	1.9	0
81	Constitutive expression of bacterial phytase <i>appA</i> in <i>Pichia pastoris</i> using high-density fermentation. <i>Journal of Biotechnology</i> , 2018, 280, S50.	1.9	0
82	Study of antibiotic sensitivity of <i>Bacteroides fragilis</i> isolated from patients with intraabdominal infections. <i>Journal of Biotechnology</i> , 2019, 305, S87.	1.9	0
83	Draft Genome Sequences of Three <i>Pasteurella multocida</i> Strains Isolated from Domestic Animals in Kazakhstan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0
84	Draft Genome Sequence of a <i>Bacteroides fragilis</i> Strain Isolated from Peritoneal Fluid of a Patient from Kazakhstan. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0
85	Draft Genome Sequence of <i>Lactobacillus salivarius</i> KZ-NCB, Isolated from Chicken Cecum. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0