

Erlan Ramanculov

List of Publications by Year in descending order

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31
papers

1,861
citations

257450

24
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2773
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-Based Electrochemical Biosensor for Interferon Gamma Detection. <i>Analytical Chemistry</i> , 2010, 82, 8131-8136.	6.5	271
2	Development of an Aptamer Beacon for Detection of Interferon-Gamma. <i>Analytical Chemistry</i> , 2010, 82, 1851-1857.	6.5	141
3	FastPCR: An in silico tool for fast primer and probe design and advanced sequence analysis. <i>Genomics</i> , 2017, 109, 312-319.	2.9	133
4	Enhanced stability of enzyme organophosphate hydrolase interfaced on the carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 69-74.	5.0	127
5	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.	2.2	95
6	A microdevice for multiplexed detection of T-cell-secreted cytokines. <i>Lab on A Chip</i> , 2008, 8, 2197.	6.0	92
7	Detecting Cytokine Release from Single T-cells. <i>Analytical Chemistry</i> , 2009, 81, 8150-8156.	6.5	88
8	Lensfree Holographic Imaging of Antibody Microarrays for High-Throughput Detection of Leukocyte Numbers and Function. <i>Analytical Chemistry</i> , 2010, 82, 3736-3744.	6.5	88
9	Genetic analysis of the T4 holin: timing and topology. <i>Gene</i> , 2001, 265, 25-36.	2.2	67
10	Using growth factor arrays and micropatterned co-cultures to induce hepatic differentiation of embryonic stem cells. <i>Biomaterials</i> , 2010, 31, 9221-9231.	11.4	63
11	Lysozyme-mediated formation of protein-silica nano-composites for biosensing applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 58-64.	5.0	59
12	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.	4.2	56
13	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.	11.4	56
14	An ancient player unmasked: T4 rI encodes a t-specific antiholin. <i>Molecular Microbiology</i> , 2001, 41, 575-583.	2.5	51
15	Cultivating liver cells on printed arrays of hepatocyte growth factor. <i>Biomaterials</i> , 2009, 30, 3733-3741.	11.4	48
16	Exercising Spatiotemporal Control of Cell Attachment with Optically Transparent Microelectrodes. <i>Langmuir</i> , 2008, 24, 6837-6844.	3.5	40
17	Modulating endogenous gene expression of mammalian cells via RNA-small molecule interaction. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 169-173.	2.1	39
18	Detecting interferon-gamma release from human CD4 T-cells using surface plasmon resonance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 251-255.	5.0	39

#	ARTICLE	IF	CITATIONS
19	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
20	Temporal Regulation of Gene Expression of the <i>Thermus thermophilus</i> Bacteriophage P23-45. <i>Journal of Molecular Biology</i> , 2011, 405, 125-142.	4.2	33
21	Epidemiology of Brucellosis and Genetic Diversity of <i>Brucella abortus</i> in Kazakhstan. <i>PLoS ONE</i> , 2016, 11, e0167496.	2.5	31
22	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.	3.7	30
23	Multifunctional Protein Microarrays for Cultivation of Cells and Immunodetection of Secreted Cellular Products. <i>Analytical Chemistry</i> , 2008, 80, 6351-6357.	6.5	28
24	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
25	Blind source separation methods for deconvolution of complex signals in cancer biology. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1182-1187.	2.1	27
26	PUB-NChIP – <i>in vivo</i> biotinylation approach to study chromatin in proximity to a protein of interest. <i>Genome Research</i> , 2013, 23, 331-340.	5.5	27
27	Directing hepatic differentiation of embryonic stem cells with protein microarray-based co-cultures. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 460.	1.3	25
28	Characterization of DNA substrate specificities of apurinic/apyrimidinic endonucleases from <i>Mycobacterium tuberculosis</i> . <i>DNA Repair</i> , 2015, 33, 1-16.	2.8	17
29	Network analysis of gene lists for finding reproducible prognostic breast cancer gene signatures. <i>Bioinformatics</i> , 2012, 8, 773-776.	0.5	10
30	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.	2.1	9
31	Type 2 diabetes mellitus: distribution of genetic markers in Kazakh population. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 377-388.	2.9	7