Alexander E Pozhitkov

List of Publications by Year
in descending order

40 papers	893 citations	471509 17 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	1327 citing authors

#	Article	IF	Citations
1	Distinctive thanatomicrobiome signatures found in the blood and internal organs of humans. Journal of Microbiological Methods, 2014, 106, 1-7.	1.6	108
2	Tests of rRNA hybridization to microarrays suggest that hybridization characteristics of oligonucleotide probes for species discrimination cannot be predicted. Nucleic Acids Research, 2006, 34, e66-e66.	14.5	101
3	Tracing the dynamics of gene transcripts after organismal death. Open Biology, 2017, 7, 160267.	3.6	72
4	Oligonucleotide microarrays: widely applied poorly understood. Briefings in Functional Genomics & Proteomics, 2007, 6, 141-148.	3.8	58
5	Physico-chemical foundations underpinning microarray and next-generation sequencing experiments. Nucleic Acids Research, 2013, 41, 2779-2796.	14.5	49
6	Constructing a fish metabolic network model. Genome Biology, 2010, 11, R115.	9.6	47
7	Functioning in situ: gene expression in Methylotenera mobilis in its native environment as assessed through transcriptomics. ISME Journal, 2010, 4, 388-398.	9.8	38
8	MiR-16 regulates crosstalk in NF-Î¹B tolerogenic inflammatory signaling between myeloma cells and bone marrow macrophages. JCI Insight, 2019, 4, .	5.0	33
9	Revision of the nonequilibrium thermal dissociation and stringent washing approaches for identification of mixed nucleic acid targets by microarrays. Nucleic Acids Research, 2007, 35, e70.	14.5	27
10	A Non-genetic Mechanism Involving the Integrin Î²4/Paxillin Axis Contributes to Chemoresistance in Lung Cancer. IScience, 2020, 23, 101496.	4.1	27
11	An algorithm and program for finding sequence specific oligonucleotide probes for species identification. BMC Bioinformatics, 2002, 3, 9.	2.6	26
12	Evaluation of Gel-Pad Oligonucleotide Microarray Technology by Using Artificial Neural Networks. Applied and Environmental Microbiology, 2005, 71, 8663-8676.	3.1	26
13	Beyond Affymetrix arrays: expanding the set of known hybridization isotherms and observing pre-wash signal intensities. Nucleic Acids Research, 2010, 38, e28-e28.	14.5	25
14	Transcriptome changes after genomeâ€wide admixture in invasive sculpins (Cottus). Molecular Ecology, 2012, 21, 4797-4810.	3.9	21
15	Interruption of Electrical Conductivity of Titanium Dental Implants Suggests a Path Towards Elimination Of Corrosion. PLoS ONE, 2015, 10, e0140393.	2.5	21
16	Effect of high pressure and reversed micelles on the fluorescent proteins. Biochimica Et Biophysica Acta - General Subjects, 2003, 1622, 192-195.	2.4	20
17	A competitive hybridization model predicts probe signal intensity on high density DNA microarrays. Nucleic Acids Research, 2008, 36, 6585-6591.	14.5	19
18	SUMOylation inhibition enhances dexamethasone sensitivity in multiple myeloma. Journal of Experimental and Clinical Cancer Research, 2022, 41, 8.	8.6	16

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19	A Revised Design for Microarray Experiments to Account for Experimental Noise and Uncertainty of Probe Response. PLoS ONE, 2014, 9, e91295.	2.5	15
20	Development of a statistically robust quantification method for microorganisms in mixtures using oligonucleotide microarrays. Journal of Microbiological Methods, 2007, 70, 292-300.	1.6	14
21	Leflunomide regulates c-Myc expression in myeloma cells through PIM targeting. Blood Advances, 2019, 3, 1027-1032.	5.2	14
22	Microbial signatures of oral dysbiosis, periodontitis and edentulism revealed by Gene Meter methodology. Journal of Microbiological Methods, 2016, 131, 85-101.	1.6	13
23	Synthesis and X-ray structures of barium complexes with pivaloyltrifluoroacetone, [Ba(pta)2(H2O)] and Ba4(pta)8. Polyhedron, 1996, 15, 1731-1735.	2.2	12
24	Inhibiting crosstalk between MET signaling and mitochondrial dynamics and morphology: a novel therapeutic approach for lung cancer and mesothelioma. Cancer Biology and Therapy, 2018, 19, 1023-1032.	3.4	12
25	Simultaneous quantification of multiple nucleic acid targets in complex rRNA mixtures using high density microarrays and nonspecific hybridization as a source of information. Journal of Microbiological Methods, 2008, 75, 92-102.	1.6	9
26	Concentration dependency of nonequilibrium thermal dissociation curves in complex target samples. Journal of Microbiological Methods, 2008, 74, 82-88.	1.6	8
27	Gene expression in the twilight of death. BioEssays, 2017, 39, 1700066.	2.5	8
28	Comment on â€œDiscrimination of Shifts in a Soil Microbial Community Associated with TNT-Contamination Using a Functional ANOVA of 16S rRNA Hybridized to Oligonucleotide Microarraysâ€• Environmental Science & Technology, 2007, 41, 1797-1798.	10.0	7
29	An algorithm for the determination and quantification of components of nucleic acid mixtures based on single sequencing reactions. BMC Bioinformatics, 2005, 6, 281.	2.6	6
30	Use of hidden correlations in short oligonucleotide array data are insufficient for accurate quantification of nucleic acid targets in complex target mixtures. Journal of Microbiological Methods, 2009, 76, 188-195.	1.6	6
31	Gene Meter: Accurate abundance calculations of gene expression. Communicative and Integrative Biology, 2017, 10, e1329785.	1.4	4
32	Cryptic sequence features in the active postmortem transcriptome. BMC Genomics, 2018, 19, 675.	2.8	4
33	Glucocorticoid receptor expression in multiple myeloma patients is a predictor of survival. Leukemia and Lymphoma, 2020, 61, 3493-3497.	1.3	4
34	Generation, analysis and functional annotation of expressed sequence tags from the sheepshead minnow (Cyprinodon variegatus). BMC Genomics, 2010, 11, S4.	2.8	3
35	Linking probe thermodynamics to microarray quantification. Physical Biology, 2010, 7, 048001.	1.8	3
36	Scanner calibration revisited. BMC Bioinformatics, 2010, 11, 361.	2.6	2

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37	The City of Hope POSEIDON enterprise-wide platform for real-world data and evidence in cancer.. Journal of Clinical Oncology, 2021, 39, e18813-e18813.	1.6	2
38	Datasets used to discover the microbial signatures of oral dysbiosis, periodontitis and edentulism in humans. Data in Brief, 2017, 10, 30-32.	1.0	1
39	Effects of selected deubiquitinating enzyme inhibitors on the proliferation and motility of lung cancer and mesothelioma cell lines. International Journal of Oncology, 2020, 57, 80-86.	3.3	1
40	Differential Response of MET inhibition by Glesatinib (MGCD265) and Sitravatinib (MGCD516) in Nonâ€small Cell Lung Cancer and Malignant Mesothelioma. FASEB Journal, 2018, 32, 835.9.	0.5	0