

Alper Kucukural

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

9,243
citations

304743

22
h-index

361022

35
g-index

50
all docs

50
docs citations

50
times ranked

19896
citing authors

#	ARTICLE	IF	CITATIONS
1	I-TASSER: a unified platform for automated protein structure and function prediction. <i>Nature Protocols</i> , 2010, 5, 725-738.	12.0	5,594
2	Biogenesis and function of tRNA fragments during sperm maturation and fertilization in mammals. <i>Science</i> , 2016, 351, 391-396.	12.6	992
3	Identification of Neuronal RNA Targets of TDP-43-containing Ribonucleoprotein Complexes. <i>Journal of Biological Chemistry</i> , 2011, 286, 1204-1215.	3.4	366
4	The Cellular EJC Interactome Reveals Higher-Order mRNP Structure and an EJC-SR Protein Nexus. <i>Cell</i> , 2012, 151, 750-764.	28.9	287
5	Novel Observations From Next-Generation RNA Sequencing of Highly Purified Human Adult and Fetal Islet Cell Subsets. <i>Diabetes</i> , 2015, 64, 3172-3181.	0.6	268
6	Simultaneous generation of many RNA-seq libraries in a single reaction. <i>Nature Methods</i> , 2015, 12, 323-325.	19.0	256
7	DEBrowser: interactive differential expression analysis and visualization tool for count data. <i>BMC Genomics</i> , 2019, 20, 6.	2.8	186
8	Ebola Virus Glycoprotein with Increased Infectivity Dominated the 2013â€“2016 Epidemic. <i>Cell</i> , 2016, 167, 1088-1098.e6.	28.9	173
9	Genetic and Epigenetic Variation, but Not Diet, Shape the Sperm Methylome. <i>Developmental Cell</i> , 2015, 35, 750-758.	7.0	130
10	Staufen1 senses overall transcript secondary structure to regulate translation. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 26-35.	8.2	117
11	Diverse repertoire of human adipocyte subtypes develops from transcriptionally distinct mesenchymal progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17970-17979.	7.1	106
12	HLA Class II Antigen Processing and Presentation Pathway Components Demonstrated by Transcriptome and Protein Analyses of Islet Î²-Cells From Donors With Type 1 Diabetes. <i>Diabetes</i> , 2019, 68, 988-1001.	0.6	90
13	An improved zebrafish transcriptome annotation for sensitive and comprehensive detection of cell type-specific genes. <i>ELife</i> , 2020, 9, .	6.0	72
14	Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. <i>Cell Stem Cell</i> , 2021, 28, 1922-1935.e5.	11.1	67
15	DolphinNext: a distributed data processing platform for high throughput genomics. <i>BMC Genomics</i> , 2020, 21, 310.	2.8	66
16	HIV-1-induced cytokines deplete homeostatic innate lymphoid cells and expand TCF7-dependent memory NK cells. <i>Nature Immunology</i> , 2020, 21, 274-286.	14.5	60
17	Evolutionarily conserved pachytene piRNA loci are highly divergent among modern humans. <i>Nature Ecology and Evolution</i> , 2020, 4, 156-168.	7.8	58
18	An atlas of cell types in the mouse epididymis and vas deferens. <i>ELife</i> , 2020, 9, .	6.0	51

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19	AAV-delivered suppressor tRNA overcomes a nonsense mutation in mice. <i>Nature</i> , 2022, 604, 343-348.	27.8	44
20	ASPeak: an abundance sensitive peak detection algorithm for RIP-Seq. <i>Bioinformatics</i> , 2013, 29, 2485-2486.	4.1	41
21	GUIDEseq: a bioconductor package to analyze GUIDE-Seq datasets for CRISPR-Cas nucleases. <i>BMC Genomics</i> , 2017, 18, 379.	2.8	32
22	Genomic Characterization of Endothelial Enhancers Reveals a Multifunctional Role for NR2F2 in Regulation of Arteriovenous Gene Expression. <i>Circulation Research</i> , 2020, 126, 875-888.	4.5	32
23	Comparative Analysis of Immune Cells Reveals a Conserved Regulatory Lexicon. <i>Cell Systems</i> , 2018, 6, 381-394.e7.	6.2	19
24	Comparison of RNA isolation and associated methods for extracellular RNA detection by high-throughput quantitative polymerase chain reaction. <i>Analytical Biochemistry</i> , 2016, 501, 66-74.	2.4	17
25	Generation and Analysis of Expressed Sequence Tags from <i>Olea europaea</i> L.. <i>Comparative and Functional Genomics</i> , 2010, 2010, 1-9.	2.0	16
26	Reduced Neurog3 Gene Dosage Shifts Enteroendocrine Progenitor Towards Goblet Cell Lineage in the Mouse Intestine. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 433-448.	4.5	12
27	CRISPR-SONIC: targeted somatic oncogene knock-in enables rapid in vivo cancer modeling. <i>Genome Medicine</i> , 2019, 11, 21.	8.2	11
28	Evolutionary selection of minimum number of features for classification of gene expression data using genetic algorithms. , 2007, , .		9
29	Platelet functional and transcriptional changes induced by intralipid infusion. <i>Thrombosis and Haemostasis</i> , 2016, 115, 1147-1156.	3.4	6
30	Recovery of viable endocrine-specific cells and transcriptomes from human pancreatic islet-engrafted mice. <i>FASEB Journal</i> , 2020, 34, 1901-1911.	0.5	6
31	A Translational Model for Venous Thromboembolism: MicroRNA Expression in Hibernating Black Bears. <i>Journal of Surgical Research</i> , 2021, 257, 203-212.	1.6	6
32	Type I IFN-Driven Immune Cell Dysregulation in Rat Autoimmune Diabetes. <i>ImmunoHorizons</i> , 2021, 5, 855-869.	1.8	4
33	Modified Association Rule Mining Approach for the MHC-Peptide Binding Problem. <i>Lecture Notes in Computer Science</i> , 2006, , 165-173.	1.3	2
34	DISCRIMINATION OF NATIVE FOLDS USING NETWORK PROPERTIES OF PROTEIN STRUCTURES. , 2007, , .		2
35	Bioinformatics Core Survey Highlights the Challenges Facing Data Analysis Facilities. <i>Journal of Biomolecular Techniques</i> , 2020, 31, jbt.20-3102-005.	1.5	2
36	Protein Homology Analysis for Function Prediction with Parallel Sub-Graph Isomorphism. , 0, , 386-399.		2

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37	Discrimination of proteins using graph theoretic properties. BMC Systems Biology, 2007, 1, .	3.0	1
38	Discovery of Biomarkers for Hexachlorobenzene Toxicity Using Population Based Methods on Gene Expression Data. Lecture Notes in Computer Science, 2008, , 412-423.	1.3	1
39	mRNAs with a complex: The long-term consequences of a nuclear upbringing. FASEB Journal, 2010, 24, 68.1.	0.5	0
40	Protein Homology Analysis for Function Prediction with Parallel Sub-Graph Isomorphism. , 2011, , 129-144.		0