Ramana V Davuluri

List of Publications by Year
in descending order

34 papers	2,455 citations	430874 18 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	4812 citing authors

#	Article	IF	Citations
1	AGRIS: Arabidopsis gene regulatory information server, an information resource of Arabidopsis cis-regulatory elements and transcription factors. BMC Bioinformatics, 2003, 4, 25.	2.6	349
2	The functional consequences of alternative promoter use in mammalian genomes. Trends in Genetics, 2008, 24, 167-177.	6.7	322
3	DNABERT: pre-trained Bidirectional Encoder Representations from Transformers model for DNA-language in genome. Bioinformatics, 2021, 37, 2112-2120.	4.1	282
4	Imaging patterns predict patient survival and molecular subtype in glioblastoma via machine learning techniques. Neuro-Oncology, 2016, 18, 417-425.	1.2	243
5	Cancer-Associated IDH1 Promotes Growth and Resistance to Targeted Therapies in the Absence of Mutation. Cell Reports, 2017, 19, 1858-1873.	6.4	164
6	A first-in-human phase 0 clinical study of RNA interference–based spherical nucleic acids in patients with recurrent glioblastoma. Science Translational Medicine, 2021, 13, .	12.4	136
7	Radiomic MRI signature reveals three distinct subtypes of glioblastoma with different clinical and molecular characteristics, offering prognostic value beyond IDH1. Scientific Reports, 2018, 8, 5087.	3.3	124
8	Metastatic cancers promote cachexia through ZIP14 upregulation in skeletal muscle. Nature Medicine, 2018, 24, 770-781.	30.7	121
9	Immune landscapes associated with different glioblastoma molecular subtypes. Acta Neuropathologica Communications, 2019, 7, 203.	5.2	112
10	Alternative transcription and alternative splicing in cancer. , 2012, 136, 283-294.		107
11	Nonlinear partial differential equations and applications: Gene expression profiling of isogenic cells with different TP53 gene dosage reveals numerous genes that are affected by TP53 dosage and identifies CSPG2 as a direct target of p53. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15632-15637.	7.1	85
12	IDH3α regulates one-carbon metabolism in glioblastoma. Science Advances, 2019, 5, eaat0456.	10.3	59
13	Identification and validation of regulatory SNPs that modulate transcription factor chromatin binding and gene expression in prostate cancer. Oncotarget, 2016, 7, 54616-54626.	1.8	41
14	MNK Inhibition Disrupts Mesenchymal Glioma Stem Cells and Prolongs Survival in a Mouse Model of Glioblastoma. Molecular Cancer Research, 2016, 14, 984-993.	3.4	38
15	Identification of Genetic and Epigenetic Variants Associated with Breast Cancer Prognosis by Integrative Bioinformatics Analysis. Cancer Informatics, 2017, 16, CIN.S39783.	1.9	36
16	Protein Kinase A Activation Enhances β-Catenin Transcriptional Activity through Nuclear Localization to PML Bodies. PLoS ONE, 2014, 9, e109523.	2.5	29
17	Epigenetic priming enhances antitumor immunity in platinum-resistant ovarian cancer. Journal of Clinical Investigation, 2022, 132, .	8.2	28
18	Comparative evaluation of isoform-level gene expression estimation algorithms for RNA-seq and exon-array platforms. Briefings in Bioinformatics, 2016, 18, bbw016.	6.5	25

#	Article	IF	Citations
19	IsoformEx: isoform level gene expression estimation using weighted non-negative least squares from mRNA-Seq data. BMC Bioinformatics, 2011, 12, 305.	2.6	24
20	Distinct mechanisms control genome recognition by p53 at its target genes linked to different cell fates. Nature Communications, 2021, 12, 484.	12.8	22
21	Gene expression profiling of the human natural killer cell response to Fc receptor activation: unique enhancement in the presence of interleukin-12. BMC Medical Genomics, 2015, 8, 66.	1.5	15
22	Transcriptional consequences of impaired immune cell responses induced by cystic fibrosis plasma characterized via dual RNA sequencing. BMC Medical Genomics, 2019, 12, 66.	1.5	11
23	In silico analysis of alternative splicing on drug-target gene interactions. Scientific Reports, 2020, 10, 134.	3.3	11
24	Computer Software to Find Genes in Plant Genomic DNA. , 2003, 236, 87-108.		8
25	RP58 Represses Transcriptional Programs Linked to Nonneuronal Cell Identity and Glioblastoma Subtypes in Developing Neurons. Molecular and Cellular Biology, 2021, 41, e0052620.	2.3	8
26	Phase II trial of guadecitabine priming and pembrolizumab in platinum resistant recurrent ovarian cancer.. Journal of Clinical Oncology, 2020, 38, 6025-6025.	1.6	8
27	Characterization of brain tumor initiating cells isolated from an animal model of CNS primitive neuroectodermal tumors. Oncotarget, 2018, 9, 13733-13747.	1.8	7
28	Application of FirstEF to Find Promoters and First Exons in the Human Genome. Current Protocols in Bioinformatics, 2003, 1, 4.7.1-4.7.10.	25.8	5
29	Multivariate Analysis of Preoperative Magnetic Resonance Imaging Reveals Transcriptomic Classification of de novo Glioblastoma Patients. Frontiers in Computational Neuroscience, 2019, 13, 81.	2.1	5
30	ExTraMapper: exon- and transcript-level mappings for orthologous gene pairs. Bioinformatics, 2021, 37, 3412-3420.	4.1	3
31	Genome-Wide Mapping of RNA Pol-II Promoter Usage in Mouse Tissues by ChIP-Seq. Methods in Molecular Biology, 2014, 1176, 1-9.	0.9	3
32	Stabilization of HIF-1α and HIF-2α, up-regulation of MYCC and accumulation of stabilized p53 constitute hallmarks of CNS-PNET animal model. PLoS ONE, 2017, 12, e0173106.	2.5	3
33	Identification of Geographic Specific SARS-Cov-2 Mutations by Random Forest Classification and Variable Selection Methods. Statistics and Applications, 2020, 18, 253-268.	0.0	1
34	Comparison of data discretization methods for cross platform transfer of gene-expression based tumor subtyping classifier. , 2014, , .		0