

Aristotelis Tsirigos

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5990543/aristotelis-tsirigos-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154
papers

10,799
citations

51
h-index

103
g-index

173
ext. papers

14,401
ext. citations

14.5
avg, IF

6
L-index

#	Paper	IF	Citations
154	SF3B1 homeostasis is critical for survival and therapeutic response in T cell leukemia.. <i>Science Advances</i> , 2022 , 8, eabj8357	14.3	1
153	CRISPR and biochemical screens identify MAZ as a cofactor in CTCF-mediated insulation at Hox clusters.. <i>Nature Genetics</i> , 2022 , 54, 202-212	36.3	2
152	Co-targeting of BAX and BCL-XL proteins broadly overcomes resistance to apoptosis in cancer.. <i>Nature Communications</i> , 2022 , 13, 1199	17.4	5
151	Investigation of Global Gene Expression of Human Blastocysts Diagnosed as Mosaic using Next-generation Sequencing.. <i>Reproductive Sciences</i> , 2022 , 29, 1597	3	0
150	Clonal lineage tracing reveals shared origin of conventional and plasmacytoid dendritic cells.. <i>Immunity</i> , 2022 , 55, 405-422.e11	32.3	4
149	Altered BAF occupancy and transcription factor dynamics in PBAF-deficient melanoma.. <i>Cell Reports</i> , 2022 , 39, 110637	10.6	0
148	The histone demethylase PHF8 regulates TGF β signaling and promotes melanoma metastasis.. <i>Science Advances</i> , 2022 , 8, eabi7127	14.3	1
147	Apolipoprotein E4 Effects a Distinct Transcriptomic Profile and Dendritic Arbor Characteristics in Hippocampal Neurons Cultured .. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 845291	5.3	0
146	Machine Learning: A Tool to Shape the Future of Medicine. <i>Studies in Big Data</i> , 2022 , 177-218	0.9	1
145	Valine tRNA levels and availability regulate complex I assembly in leukaemia.. <i>Nature</i> , 2021 ,	50.4	2
144	Assessing Drug Development Risk Using Big Data and Machine Learning. <i>Cancer Research</i> , 2021 , 81, 816-819	8.9	2
143	Selective STAT3 Degradation Dissects Peripheral T-Cell Lymphomas Vulnerabilities Empowering Personalized Regimens. <i>Blood</i> , 2021 , 138, 865-865	2.2	
142	Multiomic Mapping of Copy Number and Structural Variation on Chromosome 1 (Chr1) Highlights Multiple Recurrent Disease Drivers. <i>Blood</i> , 2021 , 138, 721-721	2.2	
141	A recurrent chromosomal inversion suffices for driving escape from oncogene-induced senescence via subTAD reorganization. <i>Molecular Cell</i> , 2021 , 81, 4907-4923.e8	17.6	6
140	Deep Learning and Pathomics Analyses Reveal Cell Nuclei as Important Features for Mutation Prediction of BRAF-Mutated Melanomas. <i>Journal of Investigative Dermatology</i> , 2021 ,	4.3	5
139	A bipartite element with allele-specific functions safeguards DNA methylation imprints at the Dlk1-Dio3 locus. <i>Developmental Cell</i> , 2021 , 56, 3052-3065.e5	10.2	1
138	Autoantibody-mediated impairment of DNASE1L3 activity in sporadic systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	14

137	H3K27ac bookmarking promotes rapid post-mitotic activation of the pluripotent stem cell program without impacting 3D chromatin reorganization. <i>Molecular Cell</i> , 2021 , 81, 1732-1748.e8	17.6	15
136	Regulatory T-cell Transcriptomic Reprogramming Characterizes Adverse Events by Checkpoint Inhibitors in Solid Tumors. <i>Cancer Immunology Research</i> , 2021 , 9, 726-734	12.5	3
135	Surface antigen-guided CRISPR screens identify regulators of myeloid leukemia differentiation. <i>Cell Stem Cell</i> , 2021 , 28, 718-731.e6	18	9
134	ULK1 inhibition overcomes compromised antigen presentation and restores antitumor immunity in LKB1 mutant lung cancer. <i>Nature Cancer</i> , 2021 , 2, 503-514	15.4	18
133	HEAL: an automated deep learning framework for cancer histopathology image analysis. <i>Bioinformatics</i> , 2021 ,	7.2	5
132	Using Machine Learning Algorithms to Predict Immunotherapy Response in Patients with Advanced Melanoma. <i>Clinical Cancer Research</i> , 2021 , 27, 131-140	12.9	17
131	Lower Airway Dysbiosis Affects Lung Cancer Progression. <i>Cancer Discovery</i> , 2021 , 11, 293-307	24.4	34
130	Histone H1 loss drives lymphoma by disrupting 3D chromatin architecture. <i>Nature</i> , 2021 , 589, 299-305	50.4	56
129	Somatic Focal Copy Number Gains of Noncoding Regions of Receptor Tyrosine Kinase Genes in Treatment-Resistant Epilepsy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021 , 80, 160-168 ^{3.1}		4
128	Effects of Image Quantity and Image Source Variation on Machine Learning Histology Differential Diagnosis Models. <i>Journal of Pathology Informatics</i> , 2021 , 12, 5	4.4	0
127	Distinct Transcriptomic Profiles in the Dorsal Hippocampus and Prelimbic Cortex Are Transiently Regulated following Episodic Learning. <i>Journal of Neuroscience</i> , 2021 , 41, 2601-2614	6.6	2
126	Combined Inhibition of SHP2 and CXCR1/2 Promotes Anti-Tumor T Cell Response in NSCLC. <i>Cancer Discovery</i> , 2021 ,	24.4	6
125	Targeting the Atf7ip-Setdb1 Complex Augments Antitumor Immunity by Boosting Tumor Immunogenicity. <i>Cancer Immunology Research</i> , 2021 , 9, 1298-1315	12.5	1
124	Adversarial Learning of Cancer Tissue Representations. <i>Lecture Notes in Computer Science</i> , 2021 , 602-612 _{0.9}		0
123	Smc3 dosage regulates B cell transit through germinal centers and restricts their malignant transformation. <i>Nature Immunology</i> , 2021 , 22, 240-253	19.1	12
122	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer.. <i>Cancer Discovery</i> , 2021 ,	24.4	4
121	Context-Dependent Requirement of Euchromatic Histone Methyltransferase Activity during Reprogramming to Pluripotency. <i>Stem Cell Reports</i> , 2020 , 15, 1233-1245	8	3
120	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation. <i>Genome Biology</i> , 2020 , 21, 108	18.3	18

119	The NSD2 p.E1099K Mutation Is Enriched at Relapse and Confers Drug Resistance in a Cell Context-Dependent Manner in Pediatric Acute Lymphoblastic Leukemia. <i>Molecular Cancer Research</i> , 2020 , 18, 1153-1165	6.6	4
118	Extensive Remodeling of the Immune Microenvironment in B Cell Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2020 , 37, 867-882.e12	24.3	43
117	Three-dimensional chromatin landscapes in T cell acute lymphoblastic leukemia. <i>Nature Genetics</i> , 2020 , 52, 388-400	36.3	46
116	Decreased cytotoxic T cells and TCR clonality in organ transplant recipients with squamous cell carcinoma. <i>Npj Precision Oncology</i> , 2020 , 4, 13	9.8	8
115	On Epigenetic Plasticity and Genome Topology. <i>Trends in Cancer</i> , 2020 , 6, 177-180	12.5	3
114	Epigenetic Silencing of CDR1as Drives IGF2BP3-Mediated Melanoma Invasion and Metastasis. <i>Cancer Cell</i> , 2020 , 37, 55-70.e15	24.3	113
113	LncRNA RP11-19E11 is an E2F1 target required for proliferation and survival of basal breast cancer. <i>Npj Breast Cancer</i> , 2020 , 6, 1	7.8	18
112	Posttranslational Regulation of the Exon Skipping Machinery Controls Aberrant Splicing in Leukemia. <i>Cancer Discovery</i> , 2020 , 10, 1388-1409	24.4	11
111	Dissecting the immunosuppressive tumor microenvironments in Glioblastoma-on-a-Chip for optimized PD-1 immunotherapy. <i>ELife</i> , 2020 , 9,	8.9	21
110	Author response: Dissecting the immunosuppressive tumor microenvironments in Glioblastoma-on-a-Chip for optimized PD-1 immunotherapy 2020 ,		2
109	Epigenetic CRISPR Screen Identifies as an Immunotherapeutic Target in -Mutant Lung Adenocarcinoma. <i>Cancer Discovery</i> , 2020 , 10, 270-287	24.4	68
108	An intrinsic role of IL-33 in T cell-mediated tumor immunoevasion. <i>Nature Immunology</i> , 2020 , 21, 75-85	19.1	46
107	Evolution of the Epigenetic Landscape in Childhood B Acute Lymphoblastic Leukemia and Its Role in Drug Resistance. <i>Cancer Research</i> , 2020 , 80, 5189-5202	10.1	4
106	Muscle progenitor specification and myogenic differentiation are associated with changes in chromatin topology. <i>Nature Communications</i> , 2020 , 11, 6222	17.4	11
105	Deep learning links histology, molecular signatures and prognosis in cancer.. <i>Nature Cancer</i> , 2020 , 1, 755-757	15.4	10
104	Epigenetic silencing of the ubiquitin ligase subunit FBXL7 impairs c-SRC degradation and promotes epithelial-to-mesenchymal transition and metastasis. <i>Nature Cell Biology</i> , 2020 , 22, 1130-1142	23.4	12
103	RNA Interactions Are Essential for CTCF-Mediated Genome Organization. <i>Molecular Cell</i> , 2019 , 76, 412-422.e5	27.6	92
102	KLF4 is involved in the organization and regulation of pluripotency-associated three-dimensional enhancer networks. <i>Nature Cell Biology</i> , 2019 , 21, 1179-1190	23.4	64

101	Draft Genome Sequence of <i>Streptococcus halitosis</i> sp. nov., Isolated from the Dorsal Surface of the Tongue of a Patient with Halitosis. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2
100	Nrf2 Activation Promotes Lung Cancer Metastasis by Inhibiting the Degradation of Bach1. <i>Cell</i> , 2019 , 178, 316-329.e18	56.2	208
99	Targeting Mitochondrial Structure Sensitizes Acute Myeloid Leukemia to Venetoclax Treatment. <i>Cancer Discovery</i> , 2019 , 9, 890-909	24.4	82
98	The bone marrow microenvironment at single-cell resolution. <i>Nature</i> , 2019 , 569, 222-228	50.4	347
97	3D Chromosomal Landscapes in Hematopoiesis and Immunity. <i>Trends in Immunology</i> , 2019 , 40, 809-824	14.4	12
96	The E3 ubiquitin ligase SPOP controls resolution of systemic inflammation by triggering MYD88 degradation. <i>Nature Immunology</i> , 2019 , 20, 1196-1207	19.1	18
95	Machine learning and data mining frameworks for predicting drug response in cancer: An overview and a novel in silico screening process based on association rule mining. <i>Pharmacology & Therapeutics</i> , 2019 , 203, 107395	13.9	35
94	Molecular and metabolic pathways mediating curative treatment of a non-Hodgkin B cell lymphoma by Sindbis viral vectors and anti-4-1BB monoclonal antibody 2019 , 7, 185		8
93	Axon TRAP reveals learning-associated alterations in cortical axonal mRNAs in the lateral amygdala. <i>ELife</i> , 2019 , 8,	8.9	24
92	Functional and topographic effects on DNA methylation in IDH1/2 mutant cancers. <i>Scientific Reports</i> , 2019 , 9, 16830	4.9	15
91	NSD2 overexpression drives clustered chromatin and transcriptional changes in a subset of insulated domains. <i>Nature Communications</i> , 2019 , 10, 4843	17.4	28
90	A Deep Learning Framework for Predicting Response to Therapy in Cancer. <i>Cell Reports</i> , 2019 , 29, 3367-3373.e43	33.7	43
89	GCN2 drives macrophage and MDSC function and immunosuppression in the tumor microenvironment. <i>Science Immunology</i> , 2019 , 4,	28	34
88	Cell Surface Notch Ligand DLL3 is a Therapeutic Target in Isocitrate Dehydrogenase-mutant Glioma. <i>Clinical Cancer Research</i> , 2019 , 25, 1261-1271	12.9	31
87	Platelet Transcriptome Profiling in HIV and ATP-Binding Cassette Subfamily C Member 4 (ABCC4) as a Mediator of Platelet Activity. <i>JACC Basic To Translational Science</i> , 2018 , 3, 9-22	8.7	18
86	Stratification of TAD boundaries reveals preferential insulation of super-enhancers by strong boundaries. <i>Nature Communications</i> , 2018 , 9, 542	17.4	57
85	Responds to the Central Metabolite Pyruvate To Regulate Virulence. <i>MBio</i> , 2018 , 9,	7.8	32
84	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018 , 555, 469-474	50.4	992

83	Oncogenic hijacking of the stress response machinery in T cell acute lymphoblastic leukemia. <i>Nature Medicine</i> , 2018 , 24, 1157-1166	50.5	51
82	The Transcription Factor Zfx Regulates Peripheral T Cell Self-Renewal and Proliferation. <i>Frontiers in Immunology</i> , 2018 , 9, 1482	8.4	2
81	BET Bromodomain Inhibition Cooperates with PD-1 Blockade to Facilitate Antitumor Response in -Mutant Non-Small Cell Lung Cancer. <i>Cancer Immunology Research</i> , 2018 , 6, 1234-1245	12.5	53
80	Airway Microbiota Is Associated with Upregulation of the PI3K Pathway in Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 1188-1198	10.2	105
79	Abstract 5309: Determining EGFR and STK11 mutational status in lung adenocarcinoma histopathology images using deep learning 2018 ,		2
78	H3K27me3 dynamics dictate evolving uterine states in pregnancy and parturition. <i>Journal of Clinical Investigation</i> , 2018 , 128, 233-247	15.9	29
77	Identification of a Whole Blood Signature for Venous Thromboembolism. <i>Blood</i> , 2018 , 132, 3809-3809	2.2	0
76	Notch Signaling Facilitates In Vitro Generation of Cross-Presenting Classical Dendritic Cells. <i>Cell Reports</i> , 2018 , 23, 3658-3672.e6	10.6	85
75	KLF4, A Gene Regulating Prostate Stem Cell Homeostasis, Is a Barrier to Malignant Progression and Predictor of Good Prognosis in Prostate Cancer. <i>Cell Reports</i> , 2018 , 25, 3006-3020.e7	10.6	14
74	Human blastocysts of normal and abnormal karyotypes display distinct transcriptome profiles. <i>Scientific Reports</i> , 2018 , 8, 14906	4.9	16
73	P1.09-32 Classification and Mutation Prediction from Non-Small Cell Lung Cancer Histopathology Images Using Deep Learning. <i>Journal of Thoracic Oncology</i> , 2018 , 13, S562	8.9	6
72	Mosaic blastocysts diagnosed with next generation sequencing (NGS) have unique transcriptomic profiles different from those of euploid or aneuploid embryos. <i>Fertility and Sterility</i> , 2018 , 110, e80-e81	4.8	
71	Classification and mutation prediction from non-small cell lung cancer histopathology images using deep learning. <i>Nature Medicine</i> , 2018 , 24, 1559-1567	50.5	918
70	Prognostic role of elevated mir-24-3p in breast cancer and its association with the metastatic process. <i>Oncotarget</i> , 2018 , 9, 12868-12878	3.3	32
69	Apoptotic cell-induced AhR activity is required for immunological tolerance and suppression of systemic lupus erythematosus in mice and humans. <i>Nature Immunology</i> , 2018 , 19, 571-582	19.1	80
68	ETV1 activates a rapid conduction transcriptional program in rodent and human cardiomyocytes. <i>Scientific Reports</i> , 2018 , 8, 9944	4.9	11
67	Opposing functions of H2BK120 ubiquitylation and H3K79 methylation in the regulation of pluripotency by the Paf1 complex. <i>Cell Cycle</i> , 2017 , 16, 2315-2322	4.7	8
66	lncRNA-screen: an interactive platform for computationally screening long non-coding RNAs in large genomics datasets. <i>BMC Genomics</i> , 2017 , 18, 434	4.5	15

65	N-BLR, a primate-specific non-coding transcript leads to colorectal cancer invasion and migration. <i>Genome Biology</i> , 2017 , 18, 98	18.3	75
64	Low-Grade Astrocytoma Mutations in IDH1, P53, and ATRX Cooperate to Block Differentiation of Human Neural Stem Cells via Repression of SOX2. <i>Cell Reports</i> , 2017 , 21, 1267-1280	10.6	64
63	TGF- β -Induced Quiescence Mediates Chemoresistance of Tumor-Propagating Cells in Squamous Cell Carcinoma. <i>Cell Stem Cell</i> , 2017 , 21, 650-664.e8	18	79
62	Bacteriophages as potential new mammalian pathogens. <i>Scientific Reports</i> , 2017 , 7, 7043	4.9	53
61	Restoration of TET2 Function Blocks Aberrant Self-Renewal and Leukemia Progression. <i>Cell</i> , 2017 , 170, 1079-1095.e20	56.2	364
60	Complete Genome Sequence of sp. nov., Isolated from the Stomach of a Patient with Gastric Cancer. <i>Genome Announcements</i> , 2017 , 5,		8
59	HiC-bench: comprehensive and reproducible Hi-C data analysis designed for parameter exploration and benchmarking. <i>BMC Genomics</i> , 2017 , 18, 22	4.5	51
58	Pancreatic β cell identity requires continual repression of non- β cell programs. <i>Journal of Clinical Investigation</i> , 2017 , 127, 244-259	15.9	70
57	Notch signaling regulates metabolic heterogeneity in glioblastoma stem cells. <i>Oncotarget</i> , 2017 , 8, 64932-64956	3.5	56
56	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , 2016 , 19, 784-799	18	60
55	Regulation of transcriptional elongation in pluripotency and cell differentiation by the PHD-finger protein Phf5a. <i>Nature Cell Biology</i> , 2016 , 18, 1127-1138	23.4	33
54	Detecting community structures in Hi-C genomic data 2016 ,		12
53	STMC-21. ASTROCYTOMA MUTATIONS IDH1, p53 AND ATRX COOPERATE TO BLOCK DIFFERENTIATION OF NEURAL STEM CELLS VIA Sox2. <i>Neuro-Oncology</i> , 2016 , 18, vi187-vi187	1	
52	FBXW7 modulates cellular stress response and metastatic potential through HSF1 post-translational modification. <i>Nature Cell Biology</i> , 2015 , 17, 322-332	23.4	89
51	Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1833-50	16.6	110
50	Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. <i>Journal of Cell Biology</i> , 2015 , 211, 2111OIA225	7.3	
49	SOX2 is a cancer-specific regulator of tumour initiating potential in cutaneous squamous cell carcinoma. <i>Nature Communications</i> , 2014 , 5, 4511	17.4	81
48	Contrasting roles of histone 3 lysine 27 demethylases in acute lymphoblastic leukaemia. <i>Nature</i> , 2014 , 514, 513-7	50.4	271

47	Genome-wide mapping and characterization of Notch-regulated long noncoding RNAs in acute leukemia. <i>Cell</i> , 2014 , 158, 593-606	56.2	335
46	JNK1 stress signaling is hyper-activated in high breast density and the tumor stroma: connecting fibrosis, inflammation, and stemness for cancer prevention. <i>Cell Cycle</i> , 2014 , 13, 580-99	4.7	42
45	Combinatorial modulation of signaling pathways reveals cell-type-specific requirements for highly efficient and synchronous iPSC reprogramming. <i>Stem Cell Reports</i> , 2014 , 3, 574-84	8	51
44	Control of embryonic stem cell identity by BRD4-dependent transcriptional elongation of super-enhancer-associated pluripotency genes. <i>Cell Reports</i> , 2014 , 9, 234-247	10.6	144
43	An Oncogene-Regulated Epigenetic Switch in T Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , 2014 , 124, 56-56	2.2	
42	Mitochondria "fuel" breast cancer metabolism: fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. <i>Cell Cycle</i> , 2012 , 11, 4390-401	4.7	118
41	GenomicTools: a computational platform for developing high-throughput analytics in genomics. <i>Bioinformatics</i> , 2012 , 28, 282-3	7.2	36
40	The milk protein κ -casein functions as a tumor suppressor via activation of STAT1 signaling, effectively preventing breast cancer tumor growth and metastasis. <i>Cell Cycle</i> , 2012 , 11, 3972-82	4.7	23
39	Genetic inactivation of the polycomb repressive complex 2 in T cell acute lymphoblastic leukemia. <i>Nature Medicine</i> , 2012 , 18, 298-301	50.5	374
38	Autophagy and senescence in cancer-associated fibroblasts metabolically supports tumor growth and metastasis via glycolysis and ketone production. <i>Cell Cycle</i> , 2012 , 11, 2285-302	4.7	179
37	Is cancer a metabolic rebellion against host aging? In the quest for immortality, tumor cells try to save themselves by boosting mitochondrial metabolism. <i>Cell Cycle</i> , 2012 , 11, 253-63	4.7	55
36	GenomicTools: an open source platform for developing high-throughput analytics in genomics 2012 , 189-220		
35	OMiR: Identification of associations between OMIM diseases and microRNAs. <i>Genomics</i> , 2011 , 97, 71-6	4.3	14
34	Molecular profiling of a lethal tumor microenvironment, as defined by stromal caveolin-1 status in breast cancers. <i>Cell Cycle</i> , 2011 , 10, 1794-809	4.7	74
33	Hyperactivation of oxidative mitochondrial metabolism in epithelial cancer cells in situ: visualizing the therapeutic effects of metformin in tumor tissue. <i>Cell Cycle</i> , 2011 , 10, 4047-64	4.7	216
32	Ketones and lactate increase cancer cell "stemness," driving recurrence, metastasis and poor clinical outcome in breast cancer: achieving personalized medicine via Metabolo-Genomics. <i>Cell Cycle</i> , 2011 , 10, 1271-86	4.7	229
31	A conserved activation element in BMP signaling during Drosophila development. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 69-76	17.6	69
30	Glycolytic cancer associated fibroblasts promote breast cancer tumor growth, without a measurable increase in angiogenesis: evidence for stromal-epithelial metabolic coupling. <i>Cell Cycle</i> , 2010 , 9, 2412-22	4.7	112

29	Understanding the "lethal" drivers of tumor-stroma co-evolution: emerging role(s) for hypoxia, oxidative stress and autophagy/mitophagy in the tumor micro-environment. <i>Cancer Biology and Therapy</i> , 2010 , 10, 537-42	4.6	155
28	Loss of stromal caveolin-1 leads to oxidative stress, mimics hypoxia and drives inflammation in the tumor microenvironment, conferring the "reverse Warburg effect": a transcriptional informatics analysis with validation. <i>Cell Cycle</i> , 2010 , 9, 2201-19	4.7	188
27	Ketones and lactate "fuel" tumor growth and metastasis: Evidence that epithelial cancer cells use oxidative mitochondrial metabolism. <i>Cell Cycle</i> , 2010 , 9, 3506-14	4.7	429
26	The autophagic tumor stroma model of cancer or "battery-operated tumor growth": A simple solution to the autophagy paradox. <i>Cell Cycle</i> , 2010 , 9, 4297-306	4.7	134
25	MicroRNA Target Prediction. <i>Molecular Medicine and Medicinal</i> , 2010 , 237-263		4
24	Dynamic changes in the human methylome during differentiation. <i>Genome Research</i> , 2010 , 20, 320-31	9.7	772
23	The autophagic tumor stroma model of cancer: Role of oxidative stress and ketone production in fueling tumor cell metabolism. <i>Cell Cycle</i> , 2010 , 9, 3485-505	4.7	215
22	Transcriptional evidence for the "Reverse Warburg Effect" in human breast cancer tumor stroma and metastasis: similarities with oxidative stress, inflammation, Alzheimer's disease, and "Neuron-Glia Metabolic Coupling". <i>Aging</i> , 2010 , 2, 185-99	5.6	116
21	Alu and b1 repeats have been selectively retained in the upstream and intronic regions of genes of specific functional classes. <i>PLoS Computational Biology</i> , 2009 , 5, e1000610	5	57
20	Anterior-posterior positional information in the absence of a strong Bicoid gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3823-8	11.5	76
19	Human and mouse introns are linked to the same processes and functions through each genome's most frequent non-conserved motifs. <i>Nucleic Acids Research</i> , 2008 , 36, 3484-93	20.1	22
18	Accurate phylogenetic classification of variable-length DNA fragments. <i>Nature Methods</i> , 2007 , 4, 63-72	21.6	435
17	Short blocks from the noncoding parts of the human genome have instances within nearly all known genes and relate to biological processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6605-10	11.5	96
16	A sensitive, support-vector-machine method for the detection of horizontal gene transfers in viral, archaeal and bacterial genomes. <i>Nucleic Acids Research</i> , 2005 , 33, 3699-707	20.1	49
15	A new computational method for the detection of horizontal gene transfer events. <i>Nucleic Acids Research</i> , 2005 , 33, 922-33	20.1	67
14	Analysis of multipath Routing-Part I: the effect on the packet delivery ratio. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 138-146	9.6	96
13	. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 500-511	9.6	39
12	A Machine Learning approach for assessing drug development risk		1

11	KLF4 binding is involved in the organization and regulation of 3D enhancer networks during acquisition and maintenance of pluripotency	2
10	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation	1
9	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer	1
8	Stratification of TAD boundaries identified in reproducible Hi-C contact matrices reveals preferential insulation of super-enhancers by strong boundaries	1
7	Classification and Mutation Prediction from Non-Small Cell Lung Cancer Histopathology Images using Deep Learning	9
6	iCellR: Combined Coverage Correction and Principal Component Alignment for Batch Alignment in Single-Cell Sequencing Analysis	4
5	Graph Drawing-based Dimensionality Reduction to Identify Hidden Communities in Single-Cell Sequencing Spatial Representation	1
4	A CRISPR Screen Identifies Myc-associated Zinc Finger Protein (MAZ) as an Insulator Functioning at CTCF boundaries in Hox Clusters	1
3	A Deep Learning Approach for Rapid Mutational Screening in Melanoma	16
2	Efficient pan-cancer whole-slide image classification and outlier detection using convolutional neural networks	3
1	Dynamic 3D chromosomal landscapes in acute leukemia	3