

Aristotelis Tsirigos

List of Publications by Citations

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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	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018 , 555, 469-474	50.4	992
153	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
152	Dynamic changes in the human methylome during differentiation. <i>Genome Research</i> , 2010 , 20, 320-31	9.7	772
151	Accurate phylogenetic classification of variable-length DNA fragments. <i>Nature Methods</i> , 2007 , 4, 63-72	21.6	435
150	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
149	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
148	Restoration of TET2 Function Blocks Aberrant Self-Renewal and Leukemia Progression. <i>Cell</i> , 2017 , 170, 1079-1095.e20	56.2	364
147	The bone marrow microenvironment at single-cell resolution. <i>Nature</i> , 2019 , 569, 222-228	50.4	347
146	Genome-wide mapping and characterization of Notch-regulated long noncoding RNAs in acute leukemia. <i>Cell</i> , 2014 , 158, 593-606	56.2	335
145	Contrasting roles of histone 3 lysine 27 demethylases in acute lymphoblastic leukaemia. <i>Nature</i> , 2014 , 514, 513-7	50.4	271
144	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
143	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
142	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
141	Nrf2 Activation Promotes Lung Cancer Metastasis by Inhibiting the Degradation of Bach1. <i>Cell</i> , 2019 , 178, 316-329.e18	56.2	208
140	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
139	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
138	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

137	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
136	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
135	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
134	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
133	Epigenetic Silencing of CDR1as Drives IGF2BP3-Mediated Melanoma Invasion and Metastasis. <i>Cancer Cell</i> , 2020 , 37, 55-70.e15	24.3	113
132	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
131	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
130	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
129	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
128	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
127	RNA Interactions Are Essential for CTCF-Mediated Genome Organization. <i>Molecular Cell</i> , 2019 , 76, 412-422.e5	27.65	92
126	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
125	Notch Signaling Facilitates In Vitro Generation of Cross-Presenting Classical Dendritic Cells. <i>Cell Reports</i> , 2018 , 23, 3658-3672.e6	10.6	85
124	Targeting Mitochondrial Structure Sensitizes Acute Myeloid Leukemia to Venetoclax Treatment. <i>Cancer Discovery</i> , 2019 , 9, 890-909	24.4	82
123	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
122	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
121	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
120	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

119	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
118	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
117	Pancreatic T cell identity requires continual repression of non-T cell programs. <i>Journal of Clinical Investigation</i> , 2017 , 127, 244-259	15.9	70
116	A conserved activation element in BMP signaling during Drosophila development. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 69-76	17.6	69
115	Epigenetic CRISPR Screen Identifies as an Immunotherapeutic Target in -Mutant Lung Adenocarcinoma. <i>Cancer Discovery</i> , 2020 , 10, 270-287	24.4	68
114	A new computational method for the detection of horizontal gene transfer events. <i>Nucleic Acids Research</i> , 2005 , 33, 922-33	20.1	67
113	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
112	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
111	A Deep Learning Framework for Predicting Response to Therapy in Cancer. <i>Cell Reports</i> , 2019 , 29, 3367-3373.e43	33.6	63
110	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , 2016 , 19, 784-799	18	60
109	Stratification of TAD boundaries reveals preferential insulation of super-enhancers by strong boundaries. <i>Nature Communications</i> , 2018 , 9, 542	17.4	57
108	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
107	Histone H1 loss drives lymphoma by disrupting 3D chromatin architecture. <i>Nature</i> , 2021 , 589, 299-305	50.4	56
106	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
105	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
104	Bacteriophages as potential new mammalian pathogens. <i>Scientific Reports</i> , 2017 , 7, 7043	4.9	53
103	Oncogenic hijacking of the stress response machinery in T cell acute lymphoblastic leukemia. <i>Nature Medicine</i> , 2018 , 24, 1157-1166	50.5	51
102	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

101	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
100	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
99	Three-dimensional chromatin landscapes in T cell acute lymphoblastic leukemia. <i>Nature Genetics</i> , 2020 , 52, 388-400	36.3	46
98	Notch signaling regulates metabolic heterogeneity in glioblastoma stem cells. <i>Oncotarget</i> , 2017 , 8, 64933-64953	3.5	46
97	An intrinsic role of IL-33 in T cell-mediated tumor immunoevasion. <i>Nature Immunology</i> , 2020 , 21, 75-85	19.1	46
96	Extensive Remodeling of the Immune Microenvironment in B Cell Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2020 , 37, 867-882.e12	24.3	43
95	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
94	. <i>IEEE Transactions on Wireless Communications</i> , 2004 , 3, 500-511	9.6	39
93	GenomicTools: a computational platform for developing high-throughput analytics in genomics. <i>Bioinformatics</i> , 2012 , 28, 282-3	7.2	36
92	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
91	GCN2 drives macrophage and MDSC function and immunosuppression in the tumor microenvironment. <i>Science Immunology</i> , 2019 , 4,	28	34
90	Lower Airway Dysbiosis Affects Lung Cancer Progression. <i>Cancer Discovery</i> , 2021 , 11, 293-307	24.4	34
89	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
88	Responds to the Central Metabolite Pyruvate To Regulate Virulence. <i>MBio</i> , 2018 , 9,	7.8	32
87	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
86	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
85	H3K27me3 dynamics dictate evolving uterine states in pregnancy and parturition. <i>Journal of Clinical Investigation</i> , 2018 , 128, 233-247	15.9	29
84	NSD2 overexpression drives clustered chromatin and transcriptional changes in a subset of insulated domains. <i>Nature Communications</i> , 2019 , 10, 4843	17.4	28

83	Axon TRAP reveals learning-associated alterations in cortical axonal mRNAs in the lateral amygdala. <i>ELife</i> , 2019 , 8,	8.9	24
82	The milk protein β 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
81	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
80	Dissecting the immunosuppressive tumor microenvironments in Glioblastoma-on-a-Chip for optimized PD-1 immunotherapy. <i>ELife</i> , 2020 , 9,	8.9	21
79	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation. <i>Genome Biology</i> , 2020 , 21, 108	18.3	18
78	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
77	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
76	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
75	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
74	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
73	A Deep Learning Approach for Rapid Mutational Screening in Melanoma		16
72	Human blastocysts of normal and abnormal karyotypes display distinct transcriptome profiles. <i>Scientific Reports</i> , 2018 , 8, 14906	4.9	16
71	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
70	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
69	Functional and topographic effects on DNA methylation in IDH1/2 mutant cancers. <i>Scientific Reports</i> , 2019 , 9, 16830	4.9	15
68	OMiR: Identification of associations between OMIM diseases and microRNAs. <i>Genomics</i> , 2011 , 97, 71-6	4.3	14
67	Autoantibody-mediated impairment of DNASE1L3 activity in sporadic systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	14
66	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

65	Detecting community structures in Hi-C genomic data 2016 ,		12
64	3D Chromosomal Landscapes in Hematopoiesis and Immunity. <i>Trends in Immunology</i> , 2019 , 40, 809-824	14.4	12
63	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
62	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
61	Posttranslational Regulation of the Exon Skipping Machinery Controls Aberrant Splicing in Leukemia. <i>Cancer Discovery</i> , 2020 , 10, 1388-1409	24.4	11
60	Muscle progenitor specification and myogenic differentiation are associated with changes in chromatin topology. <i>Nature Communications</i> , 2020 , 11, 6222	17.4	11
59	ETV1 activates a rapid conduction transcriptional program in rodent and human cardiomyocytes. <i>Scientific Reports</i> , 2018 , 8, 9944	4.9	11
58	Deep learning links histology, molecular signatures and prognosis in cancer.. <i>Nature Cancer</i> , 2020 , 1, 755-757	15.4	10
57	Classification and Mutation Prediction from Non-Small Cell Lung Cancer Histopathology Images using Deep Learning		9
56	Surface antigen-guided CRISPR screens identify regulators of myeloid leukemia differentiation. <i>Cell Stem Cell</i> , 2021 , 28, 718-731.e6	18	9
55	Oposing 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
54	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
53	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
52	Complete Genome Sequence of sp. nov., Isolated from the Stomach of a Patient with Gastric Cancer. <i>Genome Announcements</i> , 2017 , 5,		8
51	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
50	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
49	Combined Inhibition of SHP2 and CXCR1/2 Promotes Anti-Tumor T Cell Response in NSCLC. <i>Cancer Discovery</i> , 2021 ,	24.4	6
48	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

47	HEAL: an automated deep learning framework for cancer histopathology image analysis. <i>Bioinformatics</i> , 2021 ,	7.2	5
46	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
45	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
44	MicroRNA Target Prediction. <i>Molecular Medicine and Medicinal</i> , 2010 , 237-263		4
43	iCellR: Combined Coverage Correction and Principal Component Alignment for Batch Alignment in Single-Cell Sequencing Analysis		4
42	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
41	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
40	Clonal lineage tracing reveals shared origin of conventional and plasmacytoid dendritic cells.. <i>Immunity</i> , 2022 , 55, 405-422.e11	32.3	4
39	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer.. <i>Cancer Discovery</i> , 2021 ,	24.4	4
38	Context-Dependent Requirement of Euchromatic Histone Methyltransferase Activity during Reprogramming to Pluripotency. <i>Stem Cell Reports</i> , 2020 , 15, 1233-1245	8	3
37	On Epigenetic Plasticity and Genome Topology. <i>Trends in Cancer</i> , 2020 , 6, 177-180	12.5	3
36	Efficient pan-cancer whole-slide image classification and outlier detection using convolutional neural networks		3
35	Dynamic 3D chromosomal landscapes in acute leukemia		3
34	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
33	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
32	The Transcription Factor Zfx Regulates Peripheral T Cell Self-Renewal and Proliferation. <i>Frontiers in Immunology</i> , 2018 , 9, 1482	8.4	2
31	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
30	Valine tRNA levels and availability regulate complex I assembly in leukaemia.. <i>Nature</i> , 2021 ,	50.4	2

29	Assessing Drug Development Risk Using Big Data and Machine Learning. <i>Cancer Research</i> , 2021 , 81, 816-819	2	2
28	Abstract 5309: Determining EGFR and STK11 mutational status in lung adenocarcinoma histopathology images using deep learning 2018 ,		2
27	Author response: Dissecting the immunosuppressive tumor microenvironments in Glioblastoma-on-a-Chip for optimized PD-1 immunotherapy 2020 ,		2
26	KLF4 binding is involved in the organization and regulation of 3D enhancer networks during acquisition and maintenance of pluripotency		2
25	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
24	SF3B1 homeostasis is critical for survival and therapeutic response in T cell leukemia.. <i>Science Advances</i> , 2022 , 8, eabj8357	14.3	1
23	A Machine Learning approach for assessing drug development risk		1
22	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation		1
21	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer		1
20	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
19	Stratification of TAD boundaries identified in reproducible Hi-C contact matrices reveals preferential insulation of super-enhancers by strong boundaries		1
18	Graph Drawing-based Dimensionality Reduction to Identify Hidden Communities in Single-Cell Sequencing Spatial Representation		1
17	A CRISPR Screen Identifies Myc-associated Zinc Finger Protein (MAZ) as an Insulator Functioning at CTCF boundaries in Hox Clusters		1
16	Targeting the Atf7ip-Setdb1 Complex Augments Antitumor Immunity by Boosting Tumor Immunogenicity. <i>Cancer Immunology Research</i> , 2021 , 9, 1298-1315	12.5	1
15	The histone demethylase PHF8 regulates TGFβ signaling and promotes melanoma metastasis.. <i>Science Advances</i> , 2022 , 8, eabi7127	14.3	1
14	Machine Learning: A Tool to Shape the Future of Medicine. <i>Studies in Big Data</i> , 2022 , 177-218	0.9	1
13	Identification of a Whole Blood Signature for Venous Thromboembolism. <i>Blood</i> , 2018 , 132, 3809-3809	2.2	0
12	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

- 11 Adversarial Learning of Cancer Tissue Representations. *Lecture Notes in Computer Science*, **2021**, 602-612.9 ○
- 10 Investigation of Global Gene Expression of Human Blastocysts Diagnosed as Mosaic using Next-generation Sequencing.. *Reproductive Sciences*, **2022**, 29, 1597 3 ○
- 9 Altered BAF occupancy and transcription factor dynamics in PBAF-deficient melanoma.. *Cell Reports*, **2022**, 39, 110637 10.6 ○
- 8 Apolipoprotein E4 Effects a Distinct Transcriptomic Profile and Dendritic Arbor Characteristics in Hippocampal Neurons Cultured .. *Frontiers in Aging Neuroscience*, **2022**, 14, 845291 5.3 ○
- 7 GenomicTools: an open source platform for developing high-throughput analytics in genomics **2012**, 189-220
- 6 Selective STAT3 Degradation Dissect Peripheral T-Cell Lymphomas Vulnerabilities Empowering Personalized Regimens. *Blood*, **2021**, 138, 865-865 2.2
- 5 Multiomic Mapping of Copy Number and Structural Variation on Chromosome 1 (Chr1) Highlights Multiple Recurrent Disease Drivers. *Blood*, **2021**, 138, 721-721 2.2
- 4 An Oncogene-Regulated Epigenetic Switch in T Cell Acute Lymphoblastic Leukemia. *Blood*, **2014**, 124, 56-56 2.2
- 3 Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. *Journal of Cell Biology*, **2015**, 211, 2111-2125 7.3
- 2 STMC-21. ASTROCYTOMA MUTATIONS IDH1, p53 AND ATRX COOPERATE TO BLOCK DIFFERENTIATION OF NEURAL STEM CELLS VIA Sox2. *Neuro-Oncology*, **2016**, 18, vi187-vi187 1
- 1 Mosaic blastocysts diagnosed with next generation sequencing (NGS) have unique transcriptomic profiles different from those of euploid or aneuploid embryos. *Fertility and Sterility*, **2018**, 110, e80-e81 4.8