Matti Nykter

List of Publications by Year in descending order

87 papers	5,254 citations	136885 32 h-index	95218 68 g-index
94 all docs	94 docs citations	94 times ranked	10787 citing authors

#	Article	IF	Citations
1	Spatial analysis of histology in 3D: quantification and visualization of organ and tumor level tissue environment. Heliyon, 2022, 8, e08762.	1.4	6
2	Novel ZNF414 activity characterized by integrative analysis of ChIP-exo, ATAC-seq and RNA-seq data. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2022, 1865, 194811.	0.9	1
3	Estimation of tumor cell total mRNA expression in 15 cancer types predicts disease progression. Nature Biotechnology, 2022, 40, 1624-1633.	9.4	31
4	Independent and cumulative coeliac disease-susceptibility loci are associated with distinct disease phenotypes. Journal of Human Genetics, 2021, 66, 613-623.	1.1	11
5	CD109-GP130 interaction drives glioblastoma stem cell plasticity and chemoresistance through STAT3 activity. JCI Insight, 2021, 6, .	2.3	23
6	Evolution of Castration-Resistant Prostate Cancer in ctDNA during Sequential Androgen Receptor Pathway Inhibition. Clinical Cancer Research, 2021, 27, 4610-4623.	3.2	41
7	Proprotein convertase subtilisin/kexin type 9 regulates the production of acuteâ€phase reactants from the liver. Liver International, 2021, 41, 2511-2522.	1.9	7
8	Chromatin and Epigenetic Dysregulation of Prostate Cancer Development, Progression, and Therapeutic Response. Cancers, 2021, 13, 3325.	1.7	14
9	Cabazitaxel versus abiraterone or enzalutamide in poor prognosis metastatic castration-resistant prostate cancer: a multicentre, randomised, open-label, phase II trial. Annals of Oncology, 2021, 32, 896-905.	0.6	39
10	Genetic and Epigenetic Characteristics of Inflammatory Bowel Diseaseâ€“Associated Colorectal Cancer. Gastroenterology, 2021, 161, 592-607.	0.6	81
11	Combined Longitudinal Clinical and Autopsy Phenomic Assessment in Lethal Metastatic Prostate Cancer: Recommendations for Advancing Precision Medicine. European Urology Open Science, 2021, 30, 47-62.	0.2	2
12	Subclone Eradication Analysis Identifies Targets for Enhanced Cancer Therapy and Reveals L1 Retrotransposition as a Dynamic Source of Cancer Heterogeneity. Cancer Research, 2021, 81, 4901-4909.	0.4	6
13	Single-cell ATAC and RNA sequencing reveal pre-existing and persistent cells associated with prostate cancer relapse. Nature Communications, 2021, 12, 5307.	5.8	58
14	Plasma ctDNA is a tumor tissue surrogate and enables clinical-genomic stratification of metastatic bladder cancer. Nature Communications, 2021, 12, 184.	5.8	85
15	Characterization of immune response against Mycobacterium marinum infection in the main hematopoietic organ of adult zebrafish (Danio rerio). Developmental and Comparative Immunology, 2020, 103, 103523.	1.0	13
16	Metagenomics of the faecal virome indicate a cumulative effect of enterovirus and gluten amount on the risk of coeliac disease autoimmunity in genetically at risk children: the TEDDY study. Gut, 2020, 69, 1416-1422.	6.1	82
17	Prostate cancer evolution from multilineage primary to single lineage metastases with implications for liquid biopsy. Nature Communications, 2020, 11, 5070.	5.8	44
18	Prostateâ€specific membrane antigen expression in the vasculature of primary lung carcinomas associates with faster metastatic dissemination toÂthe brain. Journal of Cellular and Molecular Medicine, 2020, 24, 6916-6927.	1.6	12

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19	AR and ERG drive the expression of prostate cancer specific long noncoding RNAs. Oncogene, 2020, 39, 5241-5251.	2.6	4
20	Inherited DNA Repair Gene Mutations in Men with Lethal Prostate Cancer. Genes, 2020, 11, 314.	1.0	16
21	Immunogenomic Landscape of Hematological Malignancies. Cancer Cell, 2020, 38, 380-399.e13.	7.7	109
22	Moderate-to-strong expression of FGFR3 and TP53 alterations in a subpopulation of choroid plexus tumors. Histology and Histopathology, 2020, 35, 673-680.	0.5	3
23	Essential Physiological Differences Characterize Short- and Long-Lived Strains of Drosophila melanogaster. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1835-1843.	1.7	9
24	Supervised pathway analysis of blood gene expression profiles in Alzheimer's disease. Neurobiology of Aging, 2019, 84, 98-108.	1.5	7
25	Data-driven characterization of molecular phenotypes across heterogeneous sample collections. Nucleic Acids Research, 2019, 47, e76-e76.	6.5	23
26	Nrf2 and SQSTM1/p62 jointly contribute to mesenchymal transition and invasion in glioblastoma. Oncogene, 2019, 38, 7473-7490.	2.6	61
27	Extensive reprogramming of the nascent transcriptome during iPSC to hepatocyte differentiation. Scientific Reports, 2019, 9, 3562.	1.6	19
28	Hemap: An Interactive Online Resource for Characterizing Molecular Phenotypes across Hematologic Malignancies. Cancer Research, 2019, 79, 2466-2479.	0.4	23
29	Circulating Tumor DNA Abundance and Potential Utility in De Novo Metastatic Prostate Cancer. European Urology, 2019, 75, 667-675.	0.9	131
30	Modes of immunosuppression in glioblastoma microenvironment. Oncotarget, 2019, 10, 920-921.	0.8	5
31	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. Cell Reports, 2018, 23, 227-238.e3.	2.9	407
32	Circulating Tumor DNA Genomics Correlate with Resistance to Abiraterone and Enzalutamide in Prostate Cancer. Cancer Discovery, 2018, 8, 444-457.	7.7	376
33	Whole-exome sequencing identifies germline mutation in TP53 and ATRX in a child with genomically aberrant AT/RT and her mother with anaplastic astrocytoma. Journal of Physical Education and Sports Management, 2018, 4, a002246.	0.5	5
34	Integrative proteomics in prostate cancer uncovers robustness against genomic and transcriptomic aberrations during disease progression. Nature Communications, 2018, 9, 1176.	5.8	117
35	P01.143 Unravelling the immune response components landscape in diffuse gliomas using immunophenotyping approach. Neuro-Oncology, 2018, 20, iii265-iii265.	0.6	0
36	Frequent mutation of the FOXA1 untranslated region in prostate cancer. Communications Biology, 2018, 1, 122.	2.0	21

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37	Expression Analysis of Platinum Sensitive and Resistant Epithelial Ovarian Cancer Patient Samples Reveals New Candidates for Targeted Therapies. Translational Oncology, 2018, 11, 1160-1170.	1.7	19
38	Comparative analysis of tissue reconstruction algorithms for 3D histology. Bioinformatics, 2018, 34, 3013-3021.	1.8	30
39	Chromatin accessibility is associated with CRISPR-Cas9 efficiency in the zebrafish (Danio rerio). PLoS ONE, 2018, 13, e0196238.	1.1	82
40	Constitutively active androgen receptor splice variants AR-V3, AR-V7 and AR-V9 are co-expressed in castration-resistant prostate cancer metastases. British Journal of Cancer, 2018, 119, 347-356.	2.9	63
41	Interleukin 10 mutant zebrafish have an enhanced interferon gamma response and improved survival against a Mycobacterium marinum infection. Scientific Reports, 2018, 8, 10360.	1.6	31
42	Comparison of iTRAQ and SWATH in a clinical study with multiple time points. Clinical Proteomics, 2018, 15, 24.	1.1	50
43	Bioinformatics Assembling and Assessment of Novel Coxsackievirus B1 Genome. Methods in Molecular Biology, 2018, 1838, 261-272.	0.4	2
44	Computational Characterization of Suppressive Immune Microenvironments in Glioblastoma. Cancer Research, 2018, 78, 5574-5585.	0.4	53
45	NRF2, DJ1 and SNRX1 and their prognostic impact in astrocytic gliomas. Histology and Histopathology, 2018, 33, 791-801.	0.5	9
46	Proteomics of prostate cancer â€“ revealing how cancer cells master their messy genomes. Oncoscience, 2018, 5, 216-217.	0.9	5
47	Treatment Outcomes and Tumor Loss of Heterozygosity in Germline DNA Repairâ€“deficient Prostate Cancer. European Urology, 2017, 72, 34-42.	0.9	179
48	Metastasis detection from whole slide images using local features and random forests. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 555-565.	1.1	37
49	Circulating mutational portrait of cancer: manifestation of aggressive clonal events in both early and late stages. Journal of Hematology and Oncology, 2017, 10, 100.	6.9	28
50	RNA Polymerase III Subunit POLR3G Regulates Specific Subsets of PolyA+ and SmallRNA Transcriptomes and Splicing in Human Pluripotent Stem Cells. Stem Cell Reports, 2017, 8, 1442-1454.	2.3	16
51	Comparative analysis of osteoblast gene expression profiles and Runx2 genomic occupancy of mouse and human osteoblasts in vitro. Gene, 2017, 626, 119-131.	1.0	22
52	Androgen Receptor Deregulation Drives Bromodomain-Mediated Chromatin Alterations in Prostate Cancer. Cell Reports, 2017, 19, 2045-2059.	2.9	99
53	Oncogenic K-Ras upregulates ITGA6 expression via FOSL1 to induce anoikis resistance and synergizes with Î±V-Class integrins to promote EMT. Oncogene, 2017, 36, 5681-5694.	2.6	52
54	Analysis of spatial heterogeneity in normal epithelium and preneoplastic alterations in mouse prostate tumor models. Scientific Reports, 2017, 7, 44831.	1.6	10

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55	Overexpression of PTP4A3 in ETV6-RUNX1 acute lymphoblastic leukemia. Leukemia Research, 2017, 54, 1-6.	0.4	4
56	Laminin Î±5 substrates promote survival, network formation and functional development of human pluripotent stem cell-derived neurons in vitro. Stem Cell Research, 2017, 24, 118-127.	0.3	47
57	Circulating Tumor DNA Reveals Clinically Actionable Somatic Genome of Metastatic Bladder Cancer. Clinical Cancer Research, 2017, 23, 6487-6497.	3.2	121
58	Segmentum: a tool for copy number analysis of cancer genomes. BMC Bioinformatics, 2017, 18, 215.	1.2	7
59	Vipie: web pipeline for parallel characterization of viral populations from multiple NGS samples. BMC Genomics, 2017, 18, 378.	1.2	20
60	Concordance of Circulating Tumor DNA and Matched Metastatic Tissue Biopsy in Prostate Cancer. Journal of the National Cancer Institute, 2017, 109, .	3.0	288
61	The expression of AURKA is androgen regulated in castration-resistant prostate cancer. Scientific Reports, 2017, 7, 17978.	1.6	38
62	OUP accepted manuscript. Neuro-Oncology, 2017, 19, 1206-1216.	0.6	17
63	Mutational Landscapes of Smoking-Related Cancers in Caucasians and African Americans: Precision Oncology Perspectives at Wake Forest Baptist Comprehensive Cancer Center. Theranostics, 2017, 7, 2914-2923.	4.6	31
64	Microseminoprotein-Beta Expression in Different Stages of Prostate Cancer. PLoS ONE, 2016, 11, e0150241.	1.1	28
65	Bone morphogenetic protein 4 regulates micro<scp>RNA</scp> expression in breast cancer cell lines in diverse fashion. Genes Chromosomes and Cancer, 2016, 55, 227-236.	1.5	11
66	Virtual cell imaging: A review on simulation methods employed in image cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2016, 89, 1057-1072.	1.1	27
67	Integrated clinical, whole-genome, and transcriptome analysis of multisampled lethal metastatic prostate cancer. Journal of Physical Education and Sports Management, 2016, 2, a000752.	0.5	24
68	Genome-wide repression of eRNA and target gene loci by the ETV6-RUNX1 fusion in acute leukemia. Genome Research, 2016, 26, 1468-1477.	2.4	31
69	Assessment of PARP protein expression in epithelial ovarian cancer by ELISA pharmacodynamic assay and immunohistochemistry. Tumor Biology, 2016, 37, 11991-11999.	0.8	14
70	IGFBP2 potentiates nuclear EGFRâ€“STAT3 signaling. Oncogene, 2016, 35, 738-747.	2.6	70
71	Myeloid cell expressed proprotein convertase FURIN attenuates inflammation. Oncotarget, 2016, 7, 54392-54404.	0.8	30
72	Feature-based analysis of mouse prostatic intraepithelial neoplasia in histological tissue sections. Journal of Pathology Informatics, 2016, 7, 5.	0.8	8

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73	Pan-Hematopoietic Cancer Gene Expression Analysis Identifies Immunologically Active Acute Myeloid Leukemia Subtypes. Blood, 2016, 128, 1725-1725.	0.6	0
74	Epigenetically altered miRâ€193b targets cyclin D1 in prostate cancer. Cancer Medicine, 2015, 4, 1417-1425.	1.3	39
75	Mapping dynamical states to structural classes for Boolean networks using a classification algorithm. , 2015, , .		0
76	Construction of therapeutically relevant human prostate epithelial fate map by utilising miRNA and mRNA microarray expression data. British Journal of Cancer, 2015, 113, 611-615.	2.9	8
77	Ageing-associated changes in the human DNA methylome: genomic locations and effects on gene expression. BMC Genomics, 2015, 16, 179.	1.2	110
78	The evolutionary history of lethal metastatic prostate cancer. Nature, 2015, 520, 353-357.	13.7	1,185
79	Twist predicts poor outcome of patients with astrocytic glioma. Journal of Clinical Pathology, 2015, 68, 905-912.	1.0	17
80	Transcriptome Sequencing Reveals PCAT5 as a Novel ERG-Regulated Long Noncoding RNA in Prostate Cancer. Cancer Research, 2015, 75, 4026-4031.	0.4	68
81	MicroRNA Expression Profile of Primary Prostate Cancer Stem Cells as a Source of Biomarkers and Therapeutic Targets. European Urology, 2015, 67, 7-10.	0.9	61
82	Recurrent SKIL-activating rearrangements in ETS-negative prostate cancer. Oncotarget, 2015, 6, 6235-6250.	0.8	23
83	Identification of Novel Drug Targets in T-Cell Acute Lymphoblastic Leukemia. Blood, 2015, 126, 3646-3646.	0.6	1
84	A prostate cancer susceptibility allele at 6q22 increases RFX6 expression by modulating HOXB13 chromatin binding. Nature Genetics, 2014, 46, 126-135.	9.4	182
85	Biological Information as Set-Based Complexity. IEEE Transactions on Information Theory, 2010, 56, 667-677.	1.5	39
86	A Data Integration Framework for Prediction of Transcription Factor Targets. Annals of the New York Academy of Sciences, 2009, 1158, 205-214.	1.8	7
87	The transcription factor network of E. coli steers global responses to shifts in RNAP concentration. Nucleic Acids Research, 0, , .	6.5	2