

Tomas J Ekström

List of Publications by Year in descending order

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106
papers

6,708
citations

71102

41
h-index

64796

79
g-index

108
all docs

108
docs citations

108
times ranked

10794
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal genome-wide DNA methylation changes in response to kidney failure replacement therapy. <i>Scientific Reports</i> , 2022, 12, 470.	3.3	11
2	COPD is Associated with Epigenome-wide Differential Methylation in BAL Lung Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, , .	2.9	6
3	Genotype-dependent epigenetic regulation of DLGAP2 in alcohol use and dependence. <i>Molecular Psychiatry</i> , 2021, 26, 4367-4382.	7.9	18
4	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021, 26, 3884-3895.	7.9	34
5	Methylome and transcriptome signature of bronchoalveolar cells from multiple sclerosis patients in relation to smoking. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1014-1026.	3.0	12
6	Monoamine oxidase A genotype and methylation moderate the association of maltreatment and aggressive behaviour. <i>Behavioural Brain Research</i> , 2020, 382, 112476.	2.2	15
7	Hodgkin Lymphoma Monozygotic Triplets Reveal Divergences in DNA Methylation Signatures. <i>Frontiers in Oncology</i> , 2020, 10, 598872.	2.8	1
8	Tobacco smoking induces changes in true DNA methylation, hydroxymethylation and gene expression in bronchoalveolar lavage cells. <i>EBioMedicine</i> , 2019, 46, 290-304.	6.1	48
9	5-azacytidine treatment results in nuclear exclusion of DNA methyltransferase 1, as well as reduced proliferation and invasion in human cytomegalovirus-infected glioblastoma cells. <i>Oncology Reports</i> , 2019, 41, 2927-2936.	2.6	4
10	Allele-Specific Methylation of SPDEF: A Novel Moderator of Psychosocial Stress and Substance Abuse. <i>American Journal of Psychiatry</i> , 2019, 176, 146-155.	7.2	14
11	Associations of monoamine oxidase A gene first exon methylation with sexual abuse and current depression in women. <i>Journal of Neural Transmission</i> , 2018, 125, 1053-1064.	2.8	32
12	Metabolic and functional changes in transgender individuals following cross-sex hormone treatment: Design and methods of the Gender Dysphoria Treatment in Sweden (GETS) study. <i>Contemporary Clinical Trials Communications</i> , 2018, 10, 148-153.	1.1	27
13	Evaluation of Post-Mortem Effects on Global Brain DNA Methylation and Hydroxymethylation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 122, 208-213.	2.5	25
14	Increased cytomegalovirus replication by 5-Azacytidine and viral-induced cytoplasmic expression of DNMT1 in medulloblastoma and endothelial cells. <i>International Journal of Oncology</i> , 2018, 52, 1317-1327.	3.3	2
15	Telomerase reverse transcriptase regulates DNMT3B expression/aberrant DNA methylation phenotype and AKT activation in hepatocellular carcinoma. <i>Cancer Letters</i> , 2018, 434, 33-41.	7.2	44
16	NR3C1 hypermethylation in depressed and bullied adolescents. <i>Translational Psychiatry</i> , 2018, 8, 121.	4.8	46
17	DNA methylation as a mediator of HLA-DRB1*15:01 and a protective variant in multiple sclerosis. <i>Nature Communications</i> , 2018, 9, 2397.	12.8	147
18	Effects of Long-Term Alcohol Drinking on the Dopamine D2 Receptor: Gene Expression and Heteroreceptor Complexes in the Striatum in Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 338-351.	2.4	49

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19	Functional genomics analysis of vitamin D effects on CD4+ T cells in vivo in experimental autoimmune encephalomyelitis $\hat{\epsilon}$. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1678-E1687.	7.1	81
20	Establishment and characterization of an orthotopic patient-derived Group 3 medulloblastoma model for preclinical drug evaluation. Scientific Reports, 2017, 7, 46366.	3.3	16
21	Comment on $\hat{\epsilon}$ Epigenetics in the pathogenesis of RA $\hat{\epsilon}$. Seminars in Immunopathology, 2017, 39, 421-422.	6.1	0
22	DNA methylation mediates genotype and smoking interaction in the development of anti-citrullinated peptide antibody-positive rheumatoid arthritis. Arthritis Research and Therapy, 2017, 19, 71.	3.5	48
23	Human Herpesvirus 6B Induces Hypomethylation on Chromosome 17p13.3, Correlating with Increased Gene Expression and Virus Integration. Journal of Virology, 2017, 91, .	3.4	27
24	Smoking induces DNA methylation changes in Multiple Sclerosis patients with exposure-response relationship. Scientific Reports, 2017, 7, 14589.	3.3	55
25	Current epigenetic aspects the clinical kidney researcher should embrace. Clinical Science, 2017, 131, 1649-1667.	4.3	11
26	Alterations in the neuropeptide galanin system in major depressive disorder involve levels of transcripts, methylation, and peptide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8472-E8481.	7.1	43
27	High-specificity bioinformatics framework for epigenomic profiling of discordant twins reveals specific and shared markers for ACPA and ACPA-positive rheumatoid arthritis. Genome Medicine, 2016, 8, 124.	8.2	27
28	Mood Stabilizers and the Influence on Global Leukocyte DNA Methylation in Bipolar Disorder. Molecular Neuropsychiatry, 2015, 1, 76-81.	2.9	20
29	Global Analysis of DNA 5-Methylcytosine Using the Luminometric Methylation Assay, LUMA. Methods in Molecular Biology, 2015, 1315, 209-219.	0.9	6
30	How can genetics and epigenetics help the nephrologist improve the diagnosis and treatment of chronic kidney disease patients?. Nephrology Dialysis Transplantation, 2014, 29, 972-980.	0.7	13
31	Novel insights from genetic and epigenetic studies in understanding the complex uraemic phenotype. Nephrology Dialysis Transplantation, 2014, 29, 964-971.	0.7	9
32	An integrative analysis reveals coordinated reprogramming of the epigenome and the transcriptome in human skeletal muscle after training. Epigenetics, 2014, 9, 1557-1569.	2.7	184
33	GeMes, Clusters of DNA Methylation under Genetic Control, Can Inform Genetic and Epigenetic Analysis of Disease. American Journal of Human Genetics, 2014, 94, 485-495.	6.2	93
34	Cesarean delivery and hematopoietic stem cell epigenetics in the newborn infant: implications for future health?. American Journal of Obstetrics and Gynecology, 2014, 211, 502.e1-502.e8.	1.3	67
35	Epigenome-wide association data implicate DNA methylation as an intermediary of genetic risk in rheumatoid arthritis. Nature Biotechnology, 2013, 31, 142-147.	17.5	874
36	Ethanol Induces Epigenetic Modulation of Prodynorphin and Pronociceptin Gene Expression in the Rat Amygdala Complex. Journal of Molecular Neuroscience, 2013, 49, 312-319.	2.3	71

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37	Physical activity is associated with decreased global DNA methylation in Swedish older individuals. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2013, 73, 184-185.	1.2	35
38	An evaluation of analysis pipelines for DNA methylation profiling using the Illumina HumanMethylation450 BeadChip platform. <i>Epigenetics</i> , 2013, 8, 333-346.	2.7	192
39	Dietary Alleviation of Maternal Obesity and Diabetes: Increased Resistance to Diet-Induced Obesity Transcriptional and Epigenetic Signatures. <i>PLoS ONE</i> , 2013, 8, e66816.	2.5	43
40	Epigenetic aberrations in leukocytes of patients with schizophrenia: association of global DNA methylation with antipsychotic drug treatment and disease onset. <i>FASEB Journal</i> , 2012, 26, 2712-2718.	0.5	170
41	Human cytomegalovirus infection is sensitive to the host cell DNA methylation state and alters global DNA methylation capacity. <i>Epigenetics</i> , 2012, 7, 585-593.	2.7	35
42	DNA Hypermethylation and Inflammatory Markers in Incident Japanese Dialysis Patients. <i>Nephron Extra</i> , 2012, 2, 159-168.	1.1	21
43	Gemcitabine reactivates epigenetically silenced genes and functions as a DNA methyltransferase inhibitor. <i>International Journal of Molecular Medicine</i> , 2012, 30, 1505-1511.	4.0	31
44	The importance of epigenomic studies in schizophrenia. <i>Epigenomics</i> , 2012, 4, 359-362.	2.1	4
45	Analysis of ACPA positivity and ACPA fine specificities in a large Swedish twin cohort (TwinGene). <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A23.2-A24.	0.9	0
46	DNA methyltransferase 1 and DNA methylation patterning contribute to germinal center B-cell differentiation. <i>Blood</i> , 2011, 118, 3559-3569.	1.4	123
47	Genomic DNA Hypomethylation by Histone Deacetylase Inhibition Implicates DNMT1 Nuclear Dynamics. <i>Molecular and Cellular Biology</i> , 2011, 31, 4119-4128.	2.3	57
48	Enhanced effects by 4-phenylbutyrate in combination with RTK inhibitors on proliferation in brain tumor cell models. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 208-212.	2.1	14
49	HDAC inhibitor 4-phenylbutyrate preserves immature phenotype of human embryonic midbrain stem cells: Implications for the involvement of DNA methyltransferase. <i>International Journal of Molecular Medicine</i> , 2011, 28, 977-83.	4.0	8
50	Epigenetic mechanisms as targets and companions of viral assaults. <i>Annals of the New York Academy of Sciences</i> , 2011, 1230, E29-36.	3.8	5
51	Epigenetic Regulation of Glucose Transporter 4 by Estrogen Receptor β . <i>Molecular Endocrinology</i> , 2011, 25, 2017-2028.	3.7	44
52	Ethanol and acetaldehyde exposure induces specific epigenetic modifications in the prodynorphin gene promoter in a human neuroblastoma cell line. <i>FASEB Journal</i> , 2011, 25, 1069-1075.	0.5	35
53	Hypothalamic mitochondrial dysfunction associated with anorexia in the <i>anx/anx</i> mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18108-18113.	7.1	46
54	Global DNA Methylation Analysis Using the Luminometric Methylation Assay. <i>Methods in Molecular Biology</i> , 2011, 791, 135-144.	0.9	22

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55	Sex- and Diet-Specific Changes of Imprinted Gene Expression and DNA Methylation in Mouse Placenta under a High-Fat Diet. PLoS ONE, 2010, 5, e14398.	2.5	196
56	Plant thymidine kinase 1: a novel efficient suicide gene for malignant glioma therapy. Neuro-Oncology, 2010, 12, 549-558.	1.2	26
57	Targeting the insulin-like growth factor-1 receptor by picropodophyllin as a treatment option for glioblastoma. Neuro-Oncology, 2010, 12, 19-27.	1.2	78
58	Epigenetic control of gene expression. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 845-846.	2.4	7
59	Traumatic brain injury induces relocalization of DNA-methyltransferase 1. Neuroscience Letters, 2009, 457, 8-11.	2.1	40
60	Dysregulation of cell death machinery in the prefrontal cortex of human alcoholics. International Journal of Neuropsychopharmacology, 2009, 12, 109.	2.1	16
61	Does the Uremic Milieu Affect the Epigenotype?. , 2009, 19, 82-85.		10
62	The epigenetic conductor: a genomic orchestrator in chronic kidney disease complications?. Journal of Nephrology, 2009, 22, 442-9.	2.0	21
63	Assessment of <i>NORE1A</i> as a putative tumor suppressor in human neuroblastoma. International Journal of Cancer, 2008, 123, 389-394.	5.1	18
64	Element distribution is altered in a zone surrounding human glioblastoma multiforme. Journal of Trace Elements in Medicine and Biology, 2008, 22, 17-23.	3.0	33
65	Hypomethylation and apoptosis in 5-azacytidine-treated myeloid cells. Experimental Hematology, 2008, 36, 149-157.	0.4	58
66	Intra-individual Change Over Time in DNA Methylation With Familial Clustering. JAMA - Journal of the American Medical Association, 2008, 299, 2877.	7.4	602
67	Global and Regional CpG Methylation in Pheochromocytomas and Abdominal Paragangliomas: Association to Malignant Behavior. Clinical Cancer Research, 2008, 14, 2551-2559.	7.0	49
68	Characterization of a novel obesity phenotype caused by interspecific hybridization. Archives of Physiology and Biochemistry, 2008, 114, 301-330.	2.1	0
69	Epigenetics—a helpful tool to better understand processes in clinical nephrology?. Nephrology Dialysis Transplantation, 2008, 23, 1493-1496.	0.7	22
70	The Ras effectors NORE1A and RASSF1A are frequently inactivated in pheochromocytoma and abdominal paraganglioma. Endocrine-Related Cancer, 2007, 14, 125-134.	3.1	26
71	Control of Chronic Pain by the Ubiquitin-Proteasome System in the Spinal Cord. Journal of Neuroscience, 2007, 27, 8226-8237.	3.6	31
72	p21waf1/Cip1 partially mediates apoptosis in hepatocellular carcinoma cells. Biochemical and Biophysical Research Communications, 2007, 354, 466-471.	2.1	20

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73	Neuroadaptations in Human Chronic Alcoholics: Dysregulation of the NF- κ B System. PLoS ONE, 2007, 2, e930.	2.5	75
74	Histone deacetylase inhibitor Trichostatin A induces global and gene-specific DNA demethylation in human cancer cell lines. Biochemical Pharmacology, 2007, 73, 1297-1307.	4.4	168
75	Validation of endogenous controls for quantitative gene expression analysis: Application on brain cortices of human chronic alcoholics. Brain Research, 2007, 1132, 20-28.	2.2	50
76	HDAC inhibition amplifies gap junction communication in neural progenitors: Potential for cell-mediated enzyme prodrug therapy. Experimental Cell Research, 2007, 313, 2958-2967.	2.6	25
77	LUMA (LUminometric Methylation Assay)â€”A high throughput method to the analysis of genomic DNA methylation. Experimental Cell Research, 2006, 312, 1989-1995.	2.6	261
78	Using LUMA: a Luminometric-Based Assay for Global DNA-Methylation. Epigenetics, 2006, 1, 46-49.	2.7	146
79	Prodynorphin storage and processing in axon terminals and dendrites. FASEB Journal, 2006, 20, 2124-2126.	0.5	54
80	YY1 binding to a subset of p53 DNA-target sites regulates p53-dependent transcription. Biochemical and Biophysical Research Communications, 2004, 318, 615-624.	2.1	49
81	A novel soluble protein factor with non-opioid dynorphin A-binding activity. Biochemical and Biophysical Research Communications, 2004, 321, 202-209.	2.1	4
82	HDACi phenylbutyrate increases bystander killing of HSV-tk transfected glioma cells. Biochemical and Biophysical Research Communications, 2004, 324, 8-14.	2.1	44
83	Gap junction-mediated bystander effect in primary cultures of human malignant gliomas with recombinant expression of the HSVtk gene. Experimental Cell Research, 2003, 284, 183-193.	2.6	71
84	p53 latency â€œ out of the blind alley. Trends in Biochemical Sciences, 2002, 27, 612-618.	7.5	26
85	Altered expression of low affinity insulin-like growth factor binding protein related proteins in hepatoblastoma. International Journal of Molecular Medicine, 2002, 9, 645-9.	4.0	4
86	The Human Histone Deacetylase Family. Experimental Cell Research, 2001, 262, 75-83.	2.6	507
87	Methylation Changes in the Human IGF2 P3 Promoter Parallel IGF2 Expression in the Primary Tumor, Established Cell Line, and Xenograft of a Human Hepatoblastoma. Experimental Cell Research, 2001, 270, 88-95.	2.6	29
88	Expression levels of insulin-like growth factor binding proteins and insulin receptor isoforms in hepatoblastomas. Cancer Letters, 2001, 162, 253-260.	7.2	12
89	Promoter-specific transcription of the IGF2 gene: a novel rapid, non-radioactive and highly sensitive protocol for mRNA analysis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2001, 439, 803-807.	2.8	15
90	p53 Latency. Journal of Biological Chemistry, 2001, 276, 15650-15658.	3.4	44

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91	IGF-II AND IL-2 ACT SYNERGISTICALLY TO ALTER HDAC1 EXPRESSION FOLLOWING TREATMENTS WITH TRICHOSTATIN A. <i>Cytokine</i> , 2000, 12, 1104-1109.	3.2	9
92	IGF-II Enhances Trichostatin A-Induced TGF β 21 and p21Waf1,Cip1,Sdi1 Expression in Hep3B Cells. <i>Experimental Cell Research</i> , 1999, 253, 618-628.	2.6	36
93	Promoter-specific methylation and expression alterations of igf2 and h19 are involved in human hepatoblastoma. , 1998, 75, 176-180.		24
94	Effects of Cell Density and Trichostatin A on the Expression ofHDAC1andp57Kip2in Hep 3B Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 423-427.	2.1	47
95	Novel Splicing of anIGF2Polymorphic Region in Human Adrenocortical Carcinomas. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 878-883.	2.1	8
96	Monoallelic expression ofIGF2at the human fetal/maternal boundary. <i>Molecular Reproduction and Development</i> , 1995, 41, 177-183.	2.0	10
97	Rat liver foci study on coexposure with 50 Hz magnetic fields and known carcinogens. <i>Bioelectromagnetics</i> , 1993, 14, 17-27.	1.6	45
98	IGF2 is parentally imprinted during human embryogenesis and in the Beckwith-Wiedemann syndrome. <i>Nature Genetics</i> , 1993, 4, 94-97.	21.4	292
99	Insulin-like Growth Factor II in the Mink (<i>Mustela vison</i>): Determination of a cDNA Nucleotide Sequence and Developmental Regulation of Its Expression. <i>General and Comparative Endocrinology</i> , 1993, 90, 243-250.	1.8	11
100	Structure and regulation of expression of the acetylcholinesterase gene. <i>Chemico-Biological Interactions</i> , 1993, 87, 199-207.	4.0	15
101	A study on skin tumour formation in mice with 50 Hz magnetic field exposure. <i>Carcinogenesis</i> , 1993, 14, 573-578.	2.8	45
102	Isolation of an insulin-like growth factor II cDNA from guinea pig liver: Expression and developmental regulation. <i>Molecular and Cellular Endocrinology</i> , 1992, 89, 105-110.	3.2	13
103	Differentiation associated modulation of K-FGF expression in a human teratocarcinoma cell line and in primary germ cell tumours. <i>FEBS Letters</i> , 1991, 280, 8-10.	2.8	11
104	Molecular cloning of mouse acetylcholinesterase: Tissue distribution of alternatively spliced mRNA species. <i>Neuron</i> , 1990, 5, 317-327.	8.1	174
105	Recovery of malondialdehyde in urine as a 2,4-dinitrophenylhydrazine derivative after exposure to chloroform or hydroquinone. <i>Chemico-Biological Interactions</i> , 1988, 67, 25-31.	4.0	20
106	Chloroform-induced glutathione depletion and toxicity in freshly isolated hepatocytes. <i>Biochemical Pharmacology</i> , 1980, 29, 3059-3065.	4.4	41