

Eran Meshorer

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

106
papers

6,956
citations

37
h-index

83
g-index

118
ext. papers

8,046
ext. citations

13.5
avg, IF

5.95
L-index

#	Paper	IF	Citations
106	Hyperdynamic plasticity of chromatin proteins in pluripotent embryonic stem cells. <i>Developmental Cell</i> , 2006 , 10, 105-16	10.2	807
105	Chromatin in pluripotent embryonic stem cells and differentiation. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 540-6	48.7	553
104	Global transcription in pluripotent embryonic stem cells. <i>Cell Stem Cell</i> , 2008 , 2, 437-47	18	503
103	Chromatin organization marks exon-intron structure. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 990-5	17.6	469
102	Open chromatin in pluripotency and reprogramming. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 36-47	48.7	408
101	Chd1 regulates open chromatin and pluripotency of embryonic stem cells. <i>Nature</i> , 2009 , 460, 863-8	50.4	406
100	Glycolysis-mediated changes in acetyl-CoA and histone acetylation control the early differentiation of embryonic stem cells. <i>Cell Metabolism</i> , 2015 , 21, 392-402	24.6	399
99	Alternative splicing and neuritic mRNA translocation under long-term neuronal hypersensitivity. <i>Science</i> , 2002 , 295, 508-12	33.3	208
98	Nuclear lamins: key regulators of nuclear structure and activities. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1059-85	5.6	184
97	Virtues and woes of AChE alternative splicing in stress-related neuropathologies. <i>Trends in Neurosciences</i> , 2006 , 29, 216-24	13.3	152
96	Reconstructing the DNA methylation maps of the Neandertal and the Denisovan. <i>Science</i> , 2014 , 344, 523-7	33.3	142
95	HP1 is involved in regulating the global impact of DNA methylation on alternative splicing. <i>Cell Reports</i> , 2015 , 10, 1122-34	10.6	139
94	Chromatin remodeling and bivalent histone modifications in embryonic stem cells. <i>EMBO Reports</i> , 2015 , 16, 1609-19	6.5	135
93	Higher chromatin mobility supports totipotency and precedes pluripotency in vivo. <i>Genes and Development</i> , 2014 , 28, 1042-7	12.6	107
92	Histone modifications and lamin A regulate chromatin protein dynamics in early embryonic stem cell differentiation. <i>Nature Communications</i> , 2012 , 3, 910	17.4	107
91	Chromatin plasticity and genome organization in pluripotent embryonic stem cells. <i>Current Opinion in Cell Biology</i> , 2010 , 22, 334-41	9	107
90	The linker histone H1.0 generates epigenetic and functional intratumor heterogeneity. <i>Science</i> , 2016 , 353,	33.3	101

89	Global epigenetic changes during somatic cell reprogramming to iPS cells. <i>Journal of Molecular Cell Biology</i> , 2011 , 3, 341-50	6.3	99
88	Combinatorial complexity of 5S alternative acetylcholinesterase transcripts and protein products. <i>Journal of Biological Chemistry</i> , 2004 , 279, 29740-51	5.4	93
87	Stress-induced epigenetic transcriptional memory of acetylcholinesterase by HDAC4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E3687-95	11.5	86
86	SC35 promotes sustainable stress-induced alternative splicing of neuronal acetylcholinesterase mRNA. <i>Molecular Psychiatry</i> , 2005 , 10, 985-97	15.1	74
85	SF3B1 association with chromatin determines splicing outcomes. <i>Cell Reports</i> , 2015 , 11, 618-29	10.6	73
84	Defects in pre-mRNA processing as causes of and predisposition to diseases. <i>DNA and Cell Biology</i> , 2002 , 21, 803-18	3.6	71
83	Gone with the Wnt/Notch: stem cells in laminopathies, progeria, and aging. <i>Journal of Cell Biology</i> , 2008 , 181, 9-13	7.3	70
82	Pre-mRNA splicing modulations in senescence. <i>Aging Cell</i> , 2002 , 1, 10-6	9.9	64
81	H3K9 histone acetylation predicts pluripotency and reprogramming capacity of ES cells. <i>Nucleus</i> , 2011 , 2, 300-9	3.9	63
80	Pluripotency-related, valproic acid (VPA)-induced genome-wide histone H3 lysine 9 (H3K9) acetylation patterns in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 35977-35988	5.4	61
79	PAX6 regulates melanogenesis in the retinal pigmented epithelium through feed-forward regulatory interactions with MITF. <i>PLoS Genetics</i> , 2014 , 10, e1004360	6	58
78	Snf2h-mediated chromatin organization and histone H1 dynamics govern cerebellar morphogenesis and neural maturation. <i>Nature Communications</i> , 2014 , 5, 4181	17.4	55
77	Chromatin and nuclear architecture in the nervous system. <i>Trends in Neurosciences</i> , 2008 , 31, 343-52	13.3	54
76	Transition from anaerobic to aerobic growth conditions for the sulfate-reducing bacterium <i>Desulfovibrio oxycliniae</i> results in flocculation. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 5005-12	4.8	53
75	Open Chromatin, Epigenetic Plasticity, and Nuclear Organization in Pluripotency. <i>Developmental Cell</i> , 2019 , 48, 135-150	10.2	46
74	Heterochromatin Protein 1 (HP1) has distinct functions and distinct nuclear distribution in pluripotent versus differentiated cells. <i>Genome Biology</i> , 2015 , 16, 213	18.3	42
73	Epigenetics: It's Getting Old. Past Meets Future in Paleoepigenetics. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 290-300	10.9	41
72	Residual expression of reprogramming factors affects the transcriptional program and epigenetic signatures of induced pluripotent stem cells. <i>PLoS ONE</i> , 2012 , 7, e51711	3.7	39

71	A Parkinson's disease CircRNAs Resource reveals a link between circSLC8A1 and oxidative stress. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11942	12	38
70	Synaptogenesis and myopathy under acetylcholinesterase overexpression. <i>Journal of Molecular Neuroscience</i> , 2000 , 14, 93-105	3.3	37
69	Differential association of chromatin proteins identifies BAF60a/SMARCD1 as a regulator of embryonic stem cell differentiation. <i>Cell Reports</i> , 2015 , 10, 2019-31	10.6	36
68	Transcription factors bind negatively selected sites within human mtDNA genes. <i>Genome Biology and Evolution</i> , 2014 , 6, 2634-46	3.9	36
67	Live imaging of induced and controlled DNA double-strand break formation reveals extremely low repair by homologous recombination in human cells. <i>Oncogene</i> , 2012 , 31, 3495-504	9.2	35
66	Multilayered chromatin analysis reveals E2f, Smad and Zfx as transcriptional regulators of histones. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 119-26	17.6	34
65	Chronic cholinergic imbalances promote brain diffusion and transport abnormalities. <i>FASEB Journal</i> , 2005 , 19, 910-22	0.9	33
64	HMGN1 modulates nucleosome occupancy and DNase I hypersensitivity at the CpG island promoters of embryonic stem cells. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3377-89	4.8	32
63	Chromatin plasticity in pluripotent cells. <i>Essays in Biochemistry</i> , 2010 , 48, 245-62	7.6	32
62	A high-throughput chemical screen with FDA approved drugs reveals that the antihypertensive drug Spironolactone impairs cancer cell survival by inhibiting homology directed repair. <i>Nucleic Acids Research</i> , 2014 , 42, 5689-701	20.1	28
61	Differential DNA methylation of vocal and facial anatomy genes in modern humans. <i>Nature Communications</i> , 2020 , 11, 1189	17.4	27
60	Transcriptional competence in pluripotency. <i>Genes and Development</i> , 2009 , 23, 2793-8	12.6	27
59	Polyglutamine (polyQ) disorders: the chromatin connection. <i>Nucleus</i> , 2012 , 3, 433-41	3.9	27
58	Reconstructing Denisovan Anatomy Using DNA Methylation Maps. <i>Cell</i> , 2019 , 179, 180-192.e10	56.2	23
57	Concise review: chromatin and genome organization in reprogramming. <i>Stem Cells</i> , 2012 , 30, 1793-9	5.8	22
56	Chromatin immunoprecipitation in mouse hippocampal cells and tissues. <i>Methods in Molecular Biology</i> , 2012 , 809, 353-64	1.4	22
55	Non-polyadenylated transcription in embryonic stem cells reveals novel non-coding RNA related to pluripotency and differentiation. <i>Nucleic Acids Research</i> , 2013 , 41, 6300-15	20.1	22
54	BindDB: An Integrated Database and Webtool Platform for "Reverse-ChIP" Epigenomic Analysis. <i>Cell Stem Cell</i> , 2015 , 17, 647-648	18	20

53	A hyperdynamic H3.3 nucleosome marks promoter regions in pluripotent embryonic stem cells. <i>Nucleic Acids Research</i> , 2017 , 45, 12181-12194	20.1	17
52	The HDAC interaction network. <i>Molecular Systems Biology</i> , 2013 , 9, 671	12.2	17
51	AUTS2 isoforms control neuronal differentiation. <i>Molecular Psychiatry</i> , 2021 , 26, 666-681	15.1	17
50	Stem cells do play with dice: a statistical physics view of transcription. <i>Cell Cycle</i> , 2009 , 8, 43-8	4.7	16
49	Photobleaching assays (FRAP & FLIP) to measure chromatin protein dynamics in living embryonic stem cells. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	15
48	PARP1-dependent eviction of the linker histone H1 mediates immediate early gene expression during neuronal activation. <i>Journal of Cell Biology</i> , 2018 , 217, 473-481	7.3	14
47	Elucidating the temporal dynamics of chromatin-associated protein release upon DNA digestion by quantitative proteomic approach. <i>Journal of Proteomics</i> , 2012 , 75, 5493-506	3.9	14
46	Splicing misplaced. <i>Cell</i> , 2005 , 122, 317-8	56.2	14
45	Spironolactone inhibits the growth of cancer stem cells by impairing DNA damage response. <i>Oncogene</i> , 2019 , 38, 3103-3118	9.2	14
44	Mesoscale Modeling and Single-Nucleosome Tracking Reveal Remodeling of Clutch Folding and Dynamics in Stem Cell Differentiation. <i>Cell Reports</i> , 2021 , 34, 108614	10.6	14
43	Alternative SET/TAFI Promoters Regulate Embryonic Stem Cell Differentiation. <i>Stem Cell Reports</i> , 2017 , 9, 1291-1303	8	13
42	An Endogenously Tagged Fluorescent Fusion Protein Library in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2017 , 9, 1304-1314	8	13
41	Elimination of undifferentiated cancer cells by pluripotent stem cell inhibitors. <i>Journal of Molecular Cell Biology</i> , 2014 , 6, 267-9	6.3	11
40	Systematic determination of replication activity type highlights interconnections between replication, chromatin structure and nuclear localization. <i>PLoS ONE</i> , 2012 , 7, e48986	3.7	11
39	Progerin-Induced Transcriptional Changes in Huntington's Disease Human Pluripotent Stem Cell-Derived Neurons. <i>Molecular Neurobiology</i> , 2020 , 57, 1768-1777	6.2	10
38	Systematic identification of gene family regulators in mouse and human embryonic stem cells. <i>Nucleic Acids Research</i> , 2016 , 44, 4080-9	20.1	9
37	Glioblastoma initiating cells are sensitive to histone demethylase inhibition due to epigenetic deregulation. <i>International Journal of Cancer</i> , 2020 , 146, 1281-1292	7.5	9
36	Large-scale implementation of pooled RNA-extraction and RT-PCR for SARS-CoV-2 detection		8

35	The silence of the LADs: dynamic genome-lamina interactions during ESC differentiation. <i>Cell Stem Cell</i> , 2010 , 6, 495-7	18	7
34	Genes Affecting Vocal and Facial Anatomy Went Through Extensive Regulatory Divergence in Modern Humans		7
33	Histone H1 eviction by the histone chaperone SET reduces cell survival following DNA damage. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	6
32	Asynchronous transcriptional silencing of individual retroviral genomes in embryonic cells. <i>Retrovirology</i> , 2014 , 11, 31	3.6	6
31	Vimentin protects differentiating stem cells from stress. <i>Scientific Reports</i> , 2020 , 10, 19525	4.9	6
30	Dppa2 and Dppa4 safeguard bivalent chromatin in order to establish a pluripotent epigenome. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 685-686	17.6	5
29	Open chromatin structure in PolyQ disease-related genes: a potential mechanism for CAG repeat expansion in the normal human population. <i>NAR Genomics and Bioinformatics</i> , 2019 , 1, e3	3.7	5
28	Measuring the dynamics of chromatin proteins during differentiation. <i>Methods in Molecular Biology</i> , 2013 , 1042, 173-80	1.4	4
27	Systems analysis utilising pathway interactions identifies sonic hedgehog pathway as a primary biomarker and oncogenic target in hepatocellular carcinoma. <i>IET Systems Biology</i> , 2013 , 7, 243-51	1.4	4
26	Embryonic Stem Cell Differentiation Is Regulated by SET through Interactions with p53 and E-Catenin. <i>Stem Cell Reports</i> , 2020 , 15, 1260-1274	8	3
25	The Chromatin Regulator ZMYM2 Restricts Human Pluripotent Stem Cell Growth and Is Essential for Teratoma Formation. <i>Stem Cell Reports</i> , 2020 , 15, 1275-1286	8	3
24	Transcription Factor Binding in Embryonic Stem Cells Is Constrained by DNA Sequence Repeat Symmetry. <i>Biophysical Journal</i> , 2020 , 118, 2015-2026	2.9	3
23	Genes related to differentiation are correlated with the gene regulatory network structure. <i>Bioinformatics</i> , 2014 , 30, 406-13	7.2	3
22	Organization of the Pluripotent Genome. <i>Cold Spring Harbor Perspectives in Biology</i> , 2021 , 13,	10.2	3
21	Predicted Archaic 3D Genome Organization Reveals Genes Related to Head and Spinal Cord Separating Modern from Archaic Humans. <i>Cells</i> , 2019 , 9,	7.9	2
20	Impaired activation of Transposable Elements in SARS-CoV-2 infection		2
19	SyStem cell biology. <i>Systems Biomedicine (Austin, Tex)</i> , 2013 , 1, 2-4		1
18	Nuclear lamins: key regulators of nuclear structure and activities 2009 , 13, 1059		1

LIST OF PUBLICATIONS

17	Identifying regulators of parental imprinting by CRISPR/Cas9 screening in haploid human embryonic stem cells. <i>Nature Communications</i> , 2021 , 12, 6718	17.4	1
16	CloneSeq: A highly sensitive analysis platform for the characterization of 3D-cultured single-cell-derived clones. <i>Developmental Cell</i> , 2021 , 56, 1804-1817.e7	10.2	1
15	The upstream 5Ssplice site remains associated to the transcription machinery during intron synthesis. <i>Nature Communications</i> , 2021 , 12, 4545	17.4	1
14	Can S smell the virus: SARS-CoV-2, chromatin organization, and anosmia.. <i>Developmental Cell</i> , 2022 , 57, 1081-1082	10.2	1
13	Harnessing epigenetics to study human evolution. <i>Current Opinion in Genetics and Development</i> , 2020 , 62, 23-29	4.9	0
12	The Princess and the P: Pluripotent Stem Cells and P-Bodies. <i>Cell Stem Cell</i> , 2019 , 25, 589-591	18	0
11	Chromatin and Nuclear Architecture in Stem Cells. <i>Stem Cell Reports</i> , 2020 , 15, 1155-1157	8	0
10	Pluripotent stem cell-derived models of neurological diseases reveal early transcriptional heterogeneity. <i>Genome Biology</i> , 2021 , 22, 73	18.3	0
9	Forward and Reverse Epigenomics in Embryonic Stem Cells 2019 , 2269-2288		
8	Epigenetics in Development, Differentiation and Reprogramming 2016 , 421-448		
7	Nuclear visions enhanced: chromatin structure, organization and dynamics. <i>EMBO Reports</i> , 2011 , 12, 7486-9		
6	Eran Meshorer: getting a chromatin perspective. Interview by Caitlin Sedwick. <i>Journal of Cell Biology</i> , 2008 , 182, 618-9	7.3	
5	Chronic cholinergic imbalances promote brain diffusion and transport abnormalities. <i>FASEB Journal</i> , 2006 , 20, 2425-2425	0.9	
4	Iran is sixth, not second, in Middle East publication list. <i>Nature</i> , 2006 , 443, 271	50.4	
3	Gone with the Wnt/Notch: stem cells in laminopathies, progeria, and aging. <i>Journal of Experimental Medicine</i> , 2008 , 205, i11-i11	16.6	
2	Chromatin plasticity in pluripotent and cancer stem cells 2020 , 207-230		
1	Forward and Reverse Epigenomics in Embryonic Stem Cells 2017 , 1-20		