Michael G Rosenfeld

List of Publications by Year in Descending Order

98 papers	26,989 citations	56 h-index	104 g-index
104 ext. papers	28,865 ext. citations	31.5 avg, IF	6.27 L-index

#	Paper	IF	Citations
98	The DNA methyltransferase DNMT3A contributes to autophagy long-term memory. *Autophagy*, **2021**, 17, 1259-1277	9.9	4
97	Enhancer release and retargeting activates disease-susceptibility genes. *Nature*, **2021**, 595, 735-740	47.5	8
96	Shape of promoter antisense RNAs regulates ligand-induced transcription activation. *Nature*, **2021**, 595, 444-449	47.5	6
95	A transcriptional switch governs fibroblast activation in heart disease. *Nature*, **2021**, 595, 438-443	47.5	18
94	A comprehensive integrated post-GWAS analysis of Type 1 diabetes reveals enhancer-based immune dysregulation. *PLoS ONE*, **2021**, 16, e0257265	3.6	0
93	Hippo signalling maintains ER expression and ER breast cancer growth. *Nature*, **2021**, 591, E1-E10	47.5	8
92	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. *IScience*, **2020**, 23, 101034	5.9	14
91	Signalosome-Regulated Serum Response Factor Phosphorylation Determining Myocyte Growth in Width Versus Length as a Therapeutic Target for Heart Failure. *Circulation*, **2020**, 142, 2138-2154	16.3	7
90	Enhancer RNAs Mediate Estrogen-Induced Decommissioning of Selective Enhancers by Recruiting ERα and Its Cofactor. *Cell Reports*, **2020**, 31, 107803	10.3	3
89	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. *Cell*, **2020**, 180, 1212-1227.e14	54.5	17
88	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development. *Nature Communications*, **2020**, 11, 2082	16.9	6
87	Brain cell type-specific enhancer-promoter interactome maps and diseaserisk association. *Science*, **2019**, 366, 1134-1139	32.2	195
86	Phase separation of ligand-activated enhancers licenses cooperative chromosomal enhancer assembly. *Nature Structural and Molecular Biology*, **2019**, 26, 193-203	17.2	136
85	Allele-specific NKX2-5 binding underlies multiple genetic associations with human electrocardiographic traits. *Nature Genetics*, **2019**, 51, 1506-1517	35.2	13
84	Mitochondrial Retrograde Signaling in Mammals Is Mediated by the Transcriptional Cofactor GPS2 via Direct Mitochondria-to-Nucleus Translocation. *Molecular Cell*, **2018**, 69, 757-772.e7	17	59
83	Pluripotency factors functionally premark cell-type-restricted enhancers in ES cells. *Nature*, **2018**, 556, 510-514	47.5	27
82	JMJD6 Licenses ERα-Dependent Enhancer and Coding Gene Activation by Modulating the Recruitment of the CARM1/MED12 Co-activator Complex. *Molecular Cell*, **2018**, 70, 340-357.e8	17	42

81	Histone demethylase LSD1 regulates hematopoietic stem cells homeostasis and protects from death by endotoxic shock. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E244-E252	11.1	19
80	Dismissal of RNA Polymerase II Underlies a Large Ligand-Induced Enhancer Decommissioning Program. *Molecular Cell*, **2018**, 71, 526-539.e8	17	11
79	Glia-specific enhancers and chromatin structure regulate NFIA expression and glioma tumorigenesis. *Nature Neuroscience*, **2017**, 20, 1520-1528	24.9	23
78	Thyroid hormone receptor beta and NCOA4 regulate terminal erythrocyte differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10107-10112	11.1	24
77	Glucocorticoid Receptor:MegaTrans Switching Mediates the Repression of an ER□Regulated Transcriptional Program. *Molecular Cell*, **2017**, 66, 321-331.e6	17	37
76	Physiological functions of programmed DNA breaks in signal-induced transcription. *Nature Reviews Molecular Cell Biology*, **2017**, 18, 471-476	46.7	32
75	REST corepressors RCOR1 and RCOR2 and the repressor INSM1 regulate the proliferation-differentiation balance in the developing brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E406-E415	11.1	27
74	Epithelial cell integrin □1 is required for developmental angiogenesis in the pituitary gland. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13408-13413	11.1	10
73	Enhancers as non-coding RNA transcription units: recent insights and future perspectives. *Nature Reviews Genetics*, **2016**, 17, 207-23	29.1	421
72	CELF RNA binding proteins promote axon regeneration in C. elegans and mammals through alternative splicing of Syntaxins. *ELife*, **2016**, 5,	8.6	15
71	Condensin I and II Complexes License Full Estrogen Receptor □Dependent Enhancer Activation. *Molecular Cell*, **2015**, 59, 188-202	17	68
70	Arginine methylation of HSP70 regulates retinoid acid-mediated RAR□ gene activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3327-36	11.1	42
69	LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. *Neuron*, **2015**, 86, 696-710	13.5	86
68	Enhancer-bound LDB1 regulates a corticotrope promoter-pausing repression program. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1380-5	11.1	13
67	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. *Molecular Cell*, **2015**, 59, 931-40	17	38
66	Notch-Dependent Pituitary SOX2(+) Stem Cells Exhibit a Timed Functional Extinction in Regulation of the Postnatal Gland. *Stem Cell Reports*, **2015**, 5, 1196-1209	7.8	33
65	Ligand-dependent enhancer activation regulated by topoisomerase-I activity. *Cell*, **2015**, 160, 367-80	54.5	101
64	LSD1n is an H4K20 demethylase regulating memory formation via transcriptional elongation control. *Nature Neuroscience*, **2015**, 18, 1256-64	24.9	97

63	An epigenomic role of Fe65 in the cellular response to DNA damage. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2015**, 776, 40-7	3.2	6
62	Enhancer RNAs and regulated transcriptional programs. *Trends in Biochemical Sciences*, **2014**, 39, 170-82	9.9	361
61	Required enhancer-matrin-3 network interactions for a homeodomain transcription program. *Nature*, **2014**, 514, 257-61	47.5	47
60	GPS2/KDM4A pioneering activity regulates promoter-specific recruitment of PPAR *Cell Reports*, **2014**, 8, 163-76	10.3	38
59	CtBPs sense microenvironmental oxygen levels to regulate neural stem cell state. *Cell Reports*, **2014**, 8, 665-70	10.3	13
58	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. *Nature*, **2014**, 516, 267-71	47.5	80
57	Enhancer activation requires trans-recruitment of a mega transcription factor complex. *Cell*, **2014**, 159, 358-73	54.5	133
56	Neural stem cell differentiation is dictated by distinct actions of nuclear receptor corepressors and histone deacetylases. *Stem Cell Reports*, **2014**, 3, 502-15	7.8	45
55	Chem-seq permits identification of genomic targets of drugs against androgen receptor regulation selected by functional phenotypic screens. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9235-40	11.1	45
54	Brd4 and JMJD6-associated anti-pause enhancers in regulation of transcriptional pause release. *Cell*, **2013**, 155, 1581-1595	54.5	247
53	Functional roles of enhancer RNAs for oestrogen-dependent transcriptional activation. *Nature*, **2013**, 498, 516-20	47.5	674
52	lncRNA-dependent mechanisms of androgen-receptor-regulated gene activation programs. *Nature*, **2013**, 500, 598-602	47.5	505
51	Molecular mechanisms of a disease susceptibility variant of SIRT1: Genotoxic stress-induced, CTCF-dependent activation of SIRT1 gene expression. *FASEB Journal*, **2010**, 24, 833.23	0.9	
50	Histone methylation-dependent mechanisms impose ligand dependency for gene activation by nuclear receptors. *Cell*, **2007**, 128, 505-518	54.5	364
49	Opposing LSD1 complexes function in developmental gene activation and repression programmes. *Nature*, **2007**, 446, 882-7	47.5	412
48	Sensors and signals: a coactivator/corepressor/epigenetic code for integrating signal-dependent programs of transcriptional response. *Genes and Development*, **2006**, 20, 1405-28	12.1	721
47	No rest for REST: REST/NRSF regulation of neurogenesis. *Cell*, **2005**, 121, 499-501	54.5	94
46	Modification of representational difference analysis applied to the isolation of forskolin-regulated genes from Schwann cells. *Journal of Neuroscience Research*, **2001**, 63, 516-24	4.2	20

45	Signaling and transcriptional mechanisms in pituitary development. *Annual Review of Neuroscience*, **2001**, 24, 327-55	16.6	160
44	A transgenic insertional inner ear mutation on mouse chromosome 1. *Laryngoscope*, **2000**, 110, 489-96	3.4	2
43	Deletion of crhr2 reveals an anxiolytic role for corticotropin-releasing hormone receptor-2. *Nature Genetics*, **2000**, 24, 415-9	35.2	437
42	Allosteric effects of Pit-1 DNA sites on long-term repression in cell type specification. *Science*, **2000**, 290, 1127-31	32.2	212
41	Estradiol inhibits leukocyte adhesion and transendothelial migration in rabbits in vivo : possible mechanisms for gender differences in atherosclerosis. *Circulation Research*, **1999**, 85, 377-85	15.3	115
40	RLIM inhibits functional activity of LIM homeodomain transcription factors via recruitment of the histone deacetylase complex. *Nature Genetics*, **1999**, 22, 394-9	35.2	129
39	Pitx2 regulates lung asymmetry, cardiac positioning and pituitary and tooth morphogenesis. *Nature* , **1999**, 401, 279-82	47.5	500
38	Pitx2 determines left-right asymmetry of internal organs in vertebrates. *Nature*, **1998**, 394, 545-51	47.5	439
37	Ligand binding and co-activator assembly of the peroxisome proliferator-activated receptor-gamma. *Nature*, **1998**, 395, 137-43	47.5	1643
36	Signal-specific co-activator domain requirements for Pit-1 activation. *Nature*, **1998**, 395, 301-6	47.5	259
35	Mutations in PROP1 cause familial combined pituitary hormone deficiency. *Nature Genetics*, **1998**, 18, 147-9	35.2	462
34	Role of estrogen receptor-alpha in the anterior pituitary gland. *Molecular Endocrinology*, **1997**, 11, 674-81		175
33	A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression. *Nature*, **1997**, 387, 43-8	47.5	1115
32	The transcriptional co-activator p/CIP binds CBP and mediates nuclear-receptor function. *Nature*, **1997**, 387, 677-84	47.5	1142
31	Molecular Involvement of the Pit-1 Gene in Anterior Pituitary Cell Commitment. *Journal of Animal Science*, **1996**, 74, 94	0.6	12
30	Crystallization and preliminary X-ray analysis of Pit-1 POU domain complexed to a 28 base pair DNA element. *Proteins: Structure, Function and Bioinformatics*, **1996**, 24, 263-5	4	9
29	Role of transcription factors Brn-3.1 and Brn-3.2 in auditory and visual system development. *Nature* , **1996**, 381, 603-6	47.5	459
28	Pituitary lineage determination by the Prophet of Pit-1 homeodomain factor defective in Ames dwarfism. *Nature*, **1996**, 384, 327-33	47.5	678

27	Requirement for Brn-3.0 in differentiation and survival of sensory and motor neurons. *Nature*, **1996**, 384, 574-7	47.5	224
26	Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor. *Nature*, **1995**, 377, 397-404	47.5	1763
25	Polarity-specific activities of retinoic acid receptors determined by a co-repressor. *Nature*, **1995**, 377, 451-4	47.5	512
24	Molecular basis of the little mouse phenotype and implications for cell type-specific growth. *Nature*, **1993**, 364, 208-13	47.5	438
23	Immunohistochemical expression of Pit-1 protein in human pituitary adenomas. *Endocrine Pathology*, **1993**, 4, 201-204	4.1	9
22	Development of Prolactin and Growth Hormone Production in the Fetal Rat Pituitary: An Immunochemical Study. *Development Growth and Differentiation*, **1992**, 34, 473-478	2.9	7
21	Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth. *Nature*, **1992**, 360, 765-8	47.5	283
20	I-POU: a POU-domain protein that inhibits neuron-specific gene activation. *Nature*, **1991**, 350, 577-84	47.5	215
19	Autoregulation of pit-1 gene expression mediated by two cis-active promoter elements. *Nature*, **1990**, 346, 583-6	47.5	194
18	Dwarf locus mutants lacking three pituitary cell types result from mutations in the POU-domain gene pit-1. *Nature*, **1990**, 347, 528-33	47.5	1071
17	Expression of a large family of POU-domain regulatory genes in mammalian brain development. *Nature*, **1989**, 340, 35-41	47.5	791
16	Retinoic acid and thyroid hormone induce gene expression through a common responsive element. *Nature*, **1988**, 336, 262-5	47.5	545
15	Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. *Nature*, **1987**, 328, 820-3	47.5	574
14	A c-erb-A binding site in rat growth hormone gene mediates trans-activation by thyroid hormone. *Nature*, **1987**, 329, 738-41	47.5	342
13	Characterization of cDNA and genomic clones encoding the precursor to rat hypothalamic growth hormone-releasing factor. *Nature*, **1985**, 314, 464-7	47.5	106
12	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. *Nature*, **1985**, 315, 413-6	47.5	227
11	Domain structure of human glucocorticoid receptor and its relationship to the v-erb-A oncogene product. *Nature*, **1985**, 318, 670-2	47.5	343
10	Relationship between production of epidermal growth factor receptors, gene amplification, and chromosome 7 translocation in variant A431 cells. *Somatic Cell and Molecular Genetics*, **1985**, 11, 309-18		32

9	Primary structure and expression of a functional human glucocorticoid receptor cDNA. *Nature*, **1985**, 318, 635-41	47.5	1602
8	Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing. *Nature*, **1983**, 304, 129-35	47.5	2100
7	Stimulation of noradrenergic sympathetic outflow by calcitonin gene-related peptide. *Nature*, **1983** , 305, 534-6	47.5	378
6	Transcriptional regulation of growth hormone gene expression by growth hormone-releasing factor. *Nature*, **1983**, 306, 84-5	47.5	271
5	Expression-cloning and sequence of a cDNA encoding human growth hormone-releasing factor. *Nature*, **1983**, 306, 86-8	47.5	152
4	Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes. *Nature*, **1982**, 300, 611-5	47.5	1101
3	Epidermal growth factor rapidly stimulates prolactin gene transcription. *Nature*, **1982**, 300, 192-4	47.5	181
2	Altered expression of the calcitonin gene associated with RNA polymorphism. *Nature*, **1981**, 290, 63-5	47.5	96
1	Cell type-specific enhancer-promoter connectivity maps in the human brain and disease risk association		3