Michael G Rosenfeld

List of Publications by Year
in descending order

99 papers	31,381 citations	22153 59 h-index	36028 97 g-index
104 all docs	104 docs citations	104 times ranked	23279 citing authors

#	Article	IF	Citations
1	Transcriptional enhancers at 40: evolution of a viral DNA element to nuclear architectural structures. Trends in Genetics, 2022, 38, 1019-1047.	6.7	11
2	The DNA methyltransferase DNMT3A contributes to autophagy long-term memory. Autophagy, 2021, 17, 1259-1277.	9.1	24
3	Hippo signalling maintains ER expression and ER+ breast cancer growth. Nature, 2021, 591, E1-E10.	27.8	38
4	Enhancer release and retargeting activates disease-susceptibility genes. Nature, 2021, 595, 735-740.	27.8	76
5	Shape of promoter antisense RNAs regulates ligand-induced transcription activation. Nature, 2021, 595, 444-449.	27.8	23
6	A transcriptional switch governs fibroblast activation in heart disease. Nature, 2021, 595, 438-443.	27.8	100
7	A comprehensive integrated post-GWAS analysis of Type 1 diabetes reveals enhancer-based immune dysregulation. PLoS ONE, 2021, 16, e0257265.	2.5	9
8	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. IScience, 2020, 23, 101034.	4.1	36
9	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.	1.6	23
10	Enhancer RNAs Mediate Estrogen-Induced Decommissioning of Selective Enhancers by Recruiting ERÎ± and Its Cofactor. Cell Reports, 2020, 31, 107803.	6.4	17
11	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. Cell, 2020, 180, 1212-1227.e14.	28.9	54
12	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development. Nature Communications, 2020, 11, 2082.	12.8	28
13	Brain cell typeâ€"specific enhancerâ€"promoter interactome maps and disease - risk association. Science, 2019, 366, 1134-1139.	12.6	486
14	Phase separation of ligand-activated enhancers licenses cooperative chromosomal enhancer assembly. Nature Structural and Molecular Biology, 2019, 26, 193-203.	8.2	242
15	Allele-specific NKX2-5 binding underlies multiple genetic associations with human electrocardiographic traits. Nature Genetics, 2019, 51, 1506-1517.	21.4	35
16	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.	9.7	95
17	Pluripotency factors functionally premark cell-type-restricted enhancers in ES cells. Nature, 2018, 556, 510-514.	27.8	42
18	JMJD6 Licenses ERÎ±-Dependent Enhancer and Coding Gene Activation by Modulating the Recruitment of the CARM1/MED12 Co-activator Complex. Molecular Cell, 2018, 70, 340-357.e8.	9.7	72

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19	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.	7.1	25
20	Dismissal of RNA Polymerase II Underlies a Large Ligand-Induced Enhancer Decommissioning Program. Molecular Cell, 2018, 71, 526-539.e8.	9.7	17
21	Glucocorticoid Receptor:MegaTrans Switching Mediates the Repression of an ERÎ±-Regulated Transcriptional Program. Molecular Cell, 2017, 66, 321-331.e6.	9.7	53
22	Physiological functions of programmed DNA breaks in signal-induced transcription. Nature Reviews Molecular Cell Biology, 2017, 18, 471-476.	37.0	49
23	REST corepressors RCOR1 and RCOR2 and the repressor INSM1 regulate the proliferationâ€"differentiation balance in the developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E406-E415.	7.1	57
24	Glia-specific enhancers and chromatin structure regulate NFIA expression and glioma tumorigenesis. Nature Neuroscience, 2017, 20, 1520-1528.	14.8	38
25	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.	7.1	59
26	CELF RNA binding proteins promote axon regeneration in C. elegans and mammals through alternative splicing of Syntaxins. ELife, 2016, 5, .	6.0	27
27	Epithelial cell integrin Î²1 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.	7.1	18
28	Enhancers as non-coding RNA transcription units: recent insights and future perspectives. Nature Reviews Genetics, 2016, 17, 207-223.	16.3	614
29	Notch-Dependent Pituitary SOX2 + Stem Cells Exhibit a Timed Functional Extinction in Regulation of the Postnatal Gland. Stem Cell Reports, 2015, 5, 1196-1209.	4.8	42
30	Ligand-Dependent Enhancer Activation Regulated by Topoisomerase-I Activity. Cell, 2015, 160, 367-380.	28.9	122
31	LSD1n is an H4K20 demethylase regulating memory formation via transcriptional elongation control. Nature Neuroscience, 2015, 18, 1256-1264.	14.8	131
32	An epigenomic role of Fe65 in the cellular response to DNA damage. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 776, 40-47.	1.0	6
33	Condensin I and II Complexes License Full Estrogen Receptor Î±-Dependent Enhancer Activation. Molecular Cell, 2015, 59, 188-202.	9.7	100
34	Arginine methylation of HSP70 regulates retinoid acid-mediated <i>RARÎ²2</i> gene activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3327-36.	7.1	57
35	LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. Neuron, 2015, 86, 696-710.	8.1	130
36	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, 1380-1385.	7.1	24

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37	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. Molecular Cell, 2015, 59, 931-940.	9.7	66
38	Neural Stem Cell Differentiation Is Dictated by Distinct Actions of Nuclear Receptor Corepressors and Histone Deacetylases. Stem Cell Reports, 2014, 3, 502-515.	4.8	53
39	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, 9235-9240.	7.1	60
40	Enhancer RNAs and regulated transcriptional programs. Trends in Biochemical Sciences, 2014, 39, 170-182.	7.5	442
41	Required enhancerâ€“matrin-3 network interactions for a homeodomain transcription program. Nature, 2014, 514, 257-261.	27.8	63
42	GPS2/KDM4A Pioneering Activity Regulates Promoter-Specific Recruitment of PPARÎ³. Cell Reports, 2014, 8, 163-176.	6.4	59
43	CtBPs Sense Microenvironmental Oxygen Levels to Regulate Neural Stem Cell State. Cell Reports, 2014, 8, 665-670.	6.4	22
44	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. Nature, 2014, 516, 267-271.	27.8	100
45	Enhancer Activation Requires trans-Recruitment of a Mega Transcription Factor Complex. Cell, 2014, 159, 358-373.	28.9	179
46	lncRNA-dependent mechanisms of androgen-receptor-regulated gene activation programs. Nature, 2013, 500, 598-602.	27.8	608
47	Brd4 and JMJD6-Associated Anti-Pause Enhancers in Regulation of Transcriptional Pause Release. Cell, 2013, 155, 1581-1595.	28.9	330
48	Functional roles of enhancer RNAs for oestrogen-dependent transcriptional activation. Nature, 2013, 498, 516-520.	27.8	860
49	Molecular mechanisms of a disease susceptibility variant of SIRT1: Genotoxic stressâ€induced, CTCFâ€dependent activation of SIRT1 gene expression. FASEB Journal, 2010, 24, 833.23.	0.5	0
50	Histone Methylation-Dependent Mechanisms Impose Ligand Dependency for Gene Activation by Nuclear Receptors. Cell, 2007, 128, 505-518.	28.9	399
51	Opposing LSD1 complexes function in developmental gene activation and repression programmes. Nature, 2007, 446, 882-887.	27.8	498
52	Sensors and signals: a coactivator/corepressor/epigenetic code for integrating signal-dependent programs of transcriptional response. Genes and Development, 2006, 20, 1405-1428.	5.9	833
53	No Rest for REST: REST/NRSF Regulation of Neurogenesis. Cell, 2005, 121, 499-501.	28.9	105
54	Signaling and Transcriptional Mechanisms in Pituitary Development. Annual Review of Neuroscience, 2001, 24, 327-355.	10.7	190

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55	Modification of representational difference analysis applied to the isolation of forskolin-regulated genes from Schwann cells. Journal of Neuroscience Research, 2001, 63, 516-524.	2.9	20
56	A Transgenic Insertional Inner Ear Mutation on Mouse Chromosome 1. Laryngoscope, 2000, 110, 489-496.	2.0	2
57	Deletion of Crhr2 reveals an anxiolytic role for corticotropin-releasing hormone receptor-2. Nature Genetics, 2000, 24, 415-419.	21.4	477
58	Allosteric Effects of Pit-1 DNA Sites on Long-Term Repression in Cell Type Specification. Science, 2000, 290, 1127-1131.	12.6	227
59	RLIM inhibits functional activity of LIM homeodomain transcription factors via recruitment of the histone deacetylase complex. Nature Genetics, 1999, 22, 394-399.	21.4	140
60	Pitx2 regulates lung asymmetry, cardiac positioning and pituitary and tooth morphogenesis. Nature, 1999, 401, 279-282.	27.8	568
61	Estradiol Inhibits Leukocyte Adhesion and Transendothelial Migration in Rabbits In Vivo. Circulation Research, 1999, 85, 377-385.	4.5	122
62	Pitx2 determines leftâ€“right asymmetry of internal organs in vertebrates. Nature, 1998, 394, 545-551.	27.8	492
63	Ligand binding and co-activator assembly of the peroxisome proliferator-activated receptor-Î³. Nature, 1998, 395, 137-143.	27.8	1,818
64	Signal-specific co-activator domain requirements for Pit-1 activation. Nature, 1998, 395, 301-306.	27.8	273
65	Mutations in PROP1 cause familial combined pituitary hormone deficiency. Nature Genetics, 1998, 18, 147-149.	21.4	531
66	Role of Estrogen Receptor-Î± in the Anterior Pituitary Gland. Molecular Endocrinology, 1997, 11, 674-681.	3.7	187
67	A complex containing N-CoR, mSln3 and histone deacetylase mediates transcriptional repression. Nature, 1997, 387, 43-48.	27.8	1,204
68	The transcriptional co-activator p/CIP binds CBP and mediates nuclear-receptor function. Nature, 1997, 387, 677-684.	27.8	1,204
69	Molecular Involvement of the Pit-2 Gene in Anterior Pituitary Cell Commitment. Journal of Animal Science, 1996, 74, 94.	0.5	13
70	Crystallization and preliminary X-ray analysis of Pit-1 POU domain complexed to a 28 base pair DNA element. , 1996, 24, 263-265.		12
71	Role of transcription factors a Brn-3.1 and Brn-3.2 in auditory and visual system development. Nature, 1996, 381, 603-606.	27.8	512
72	Pituitary lineage determination by the Prophet of Pit-1 homeodomain factor defective in Ames dwarfism. Nature, 1996, 384, 327-333.	27.8	748

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73	Requirement for Brn-3.0 in differentiation and survival of sensory and motor neurons. Nature, 1996, 384, 574-577.	27.8	251
74	New wrinkles in retinoids. Nature, 1995, 374, 118-119.	27.8	22
75	Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor. Nature, 1995, 377, 397-404.	27.8	1,917
76	Polarity-specific activities of retinoic acid receptors determined by a co-repressor. Nature, 1995, 377, 451-454.	27.8	554
77	Molecular basis of the little mouse phenotype and Implications for cell type-specific growth. Nature, 1993, 364, 208-213.	27.8	477
78	Immunohistochemical expression of Pit-1 protein in human pituitary adenomas. Endocrine Pathology, 1993, 4, 201-204.	9.0	11
79	Development of Prolactin and Growth Hormone Production in the Fetal Rat Pituitary: An Immunochemical Study. (hormone production/ontogeny/fetal rat pituitary/immunochemistry). Development Growth and Differentiation, 1992, 34, 473-478.	1.5	11
80	Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth. Nature, 1992, 360, 765-768.	27.8	311
81	I-POU: a POU-domain protein that inhibits neuron-specific gene activation. Nature, 1991, 350, 577-584.	27.8	230
82	Autoregulation of pit-1 gene expression mediated by two cis-active promoter elements. Nature, 1990, 346, 583-586.	27.8	214
83	Dwarf locus mutants lacking three pituitary cell types result from mutations in the POU-domain gene pit-1. Nature, 1990, 347, 528-533.	27.8	1,177
84	Expression of a large family of POU-domain regulatory genes in mammalian brain development. Nature, 1989, 340, 35-42.	27.8	856
85	Retinoic acid and thyroid hormone induce gene expression through a common responsive element. Nature, 1988, 336, 262-265.	27.8	598
86	Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. Nature, 1987, 328, 820-823.	27.8	606
87	A c-erb-A binding site in rat growth hormone gene mediates trans-activation by thyroid hormone. Nature, 1987, 329, 738-741.	27.8	370
88	Characterization of cDNA and genomic clones encoding the precursor to rat hypothalamic growth hormone-releasing factor. Nature, 1985, 314, 464-467.	27.8	137
89	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. Nature, 1985, 315, 413-416.	27.8	256
90	Domain structure of human glucocorticoid receptor and its relationship to the v-erb-A oncogene product. Nature, 1985, 318, 670-672.	27.8	386

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91	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, 309-318.	0.7	33
92	Primary structure and expression of a functional human glucocorticoid receptor cDNA. Nature, 1985, 318, 635-641.	27.8	1,792
93	Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing. Nature, 1983, 304, 129-135.	27.8	2,288
94	Stimulation of noradrenergic sympathetic outflow by calcitonin gene-related peptide. Nature, 1983, 305, 534-536.	27.8	401
95	Transcriptional regulation of growth hormone gene expression by growth hormone-releasing factor. Nature, 1983, 306, 84-85.	27.8	315
96	Expression-cloning and sequence of a cDNA encoding human growth hormone-releasing factor. Nature, 1983, 306, 86-88.	27.8	176
97	Dramatic growth of mice that develop from eggs microinjected with metallothioneinâ€“growth hormone fusion genes. Nature, 1982, 300, 611-615.	27.8	1,275
98	Epidermal growth factor rapidly stimulates prolactin gene transcription. Nature, 1982, 300, 192-194.	27.8	209
99	Altered expression of the calcitonin gene associated with RNA polymorphism. Nature, 1981, 290, 63-65.	27.8	103