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	Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing. Nature, 1983, 304, 129-135.	27.8	2,288
2	Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor. Nature, 1995, 377, 397-404.	27.8	1,917
3	Ligand binding and co-activator assembly of the peroxisome proliferator-activated receptor-Î³. Nature, 1998, 395, 137-143.	27.8	1,818
4	Primary structure and expression of a functional human glucocorticoid receptor cDNA. Nature, 1985, 318, 635-641.	27.8	1,792
5	Dramatic growth of mice that develop from eggs microinjected with metallothioneinâ€“growth hormone fusion genes. Nature, 1982, 300, 611-615.	27.8	1,275
6	A complex containing N-CoR, mSln3 and histone deacetylase mediates transcriptional repression. Nature, 1997, 387, 43-48.	27.8	1,204
7	The transcriptional co-activator p/CIP binds CBP and mediates nuclear-receptor function. Nature, 1997, 387, 677-684.	27.8	1,204
8	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
9	Functional roles of enhancer RNAs for oestrogen-dependent transcriptional activation. Nature, 2013, 498, 516-520.	27.8	860
10	Expression of a large family of POU-domain regulatory genes in mammalian brain development. Nature, 1989, 340, 35-42.	27.8	856
11	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
12	Pituitary lineage determination by the Prophet of Pit-1 homeodomain factor defective in Ames dwarfism. Nature, 1996, 384, 327-333.	27.8	748
13	Enhancers as non-coding RNA transcription units: recent insights and future perspectives. Nature Reviews Genetics, 2016, 17, 207-223.	16.3	614
14	lncRNA-dependent mechanisms of androgen-receptor-regulated gene activation programs. Nature, 2013, 500, 598-602.	27.8	608
15	Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. Nature, 1987, 328, 820-823.	27.8	606
16	Retinoic acid and thyroid hormone induce gene expression through a common responsive element. Nature, 1988, 336, 262-265.	27.8	598
17	Pitx2 regulates lung asymmetry, cardiac positioning and pituitary and tooth morphogenesis. Nature, 1999, 401, 279-282.	27.8	568
18	Polarity-specific activities of retinoic acid receptors determined by a co-repressor. Nature, 1995, 377, 451-454.	27.8	554

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19	Mutations in PROP1 cause familial combined pituitary hormone deficiency. Nature Genetics, 1998, 18, 147-149.	21.4	531
20	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
21	Opposing LSD1 complexes function in developmental gene activation and repression programmes. Nature, 2007, 446, 882-887.	27.8	498
22	Pitx2 determines leftâ€“right asymmetry of internal organs in vertebrates. Nature, 1998, 394, 545-551.	27.8	492
23	Brain cell typeâ€“specific enhancerâ€“promoter interactome maps and disease - risk association. Science, 2019, 366, 1134-1139.	12.6	486
24	Molecular basis of the little mouse phenotype and Implications for cell type-specific growth. Nature, 1993, 364, 208-213.	27.8	477
25	Deletion of Crhr2 reveals an anxiolytic role for corticotropin-releasing hormone receptor-2. Nature Genetics, 2000, 24, 415-419.	21.4	477
26	Enhancer RNAs and regulated transcriptional programs. Trends in Biochemical Sciences, 2014, 39, 170-182.	7.5	442
27	Stimulation of noradrenergic sympathetic outflow by calcitonin gene-related peptide. Nature, 1983, 305, 534-536.	27.8	401
28	Histone Methylation-Dependent Mechanisms Impose Ligand Dependency for Gene Activation by Nuclear Receptors. Cell, 2007, 128, 505-518.	28.9	399
29	Domain structure of human glucocorticoid receptor and its relationship to the v-erb-A oncogene product. Nature, 1985, 318, 670-672.	27.8	386
30	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
31	Brd4 and JMJD6-Associated Anti-Pause Enhancers in Regulation of Transcriptional Pause Release. Cell, 2013, 155, 1581-1595.	28.9	330
32	Transcriptional regulation of growth hormone gene expression by growth hormone-releasing factor. Nature, 1983, 306, 84-85.	27.8	315
33	Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth. Nature, 1992, 360, 765-768.	27.8	311
34	Signal-specific co-activator domain requirements for Pit-1 activation. Nature, 1998, 395, 301-306.	27.8	273
35	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. Nature, 1985, 315, 413-416.	27.8	256
36	Requirement for Brn-3.0 in differentiation and survival of sensory and motor neurons. Nature, 1996, 384, 574-577.	27.8	251

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37	Phase separation of ligand-activated enhancers licenses cooperative chromosomal enhancer assembly. Nature Structural and Molecular Biology, 2019, 26, 193-203.	8.2	242
38	I-POU: a POU-domain protein that inhibits neuron-specific gene activation. Nature, 1991, 350, 577-584.	27.8	230
39	Allosteric Effects of Pit-1 DNA Sites on Long-Term Repression in Cell Type Specification. Science, 2000, 290, 1127-1131.	12.6	227
40	Autoregulation of pit-1 gene expression mediated by two cis-active promoter elements. Nature, 1990, 346, 583-586.	27.8	214
41	Epidermal growth factor rapidly stimulates prolactin gene transcription. Nature, 1982, 300, 192-194.	27.8	209
42	Signaling and Transcriptional Mechanisms in Pituitary Development. Annual Review of Neuroscience, 2001, 24, 327-355.	10.7	190
43	Role of Estrogen Receptor-Î± in the Anterior Pituitary Gland. Molecular Endocrinology, 1997, 11, 674-681.	3.7	187
44	Enhancer Activation Requires trans-Recruitment of a Mega Transcription Factor Complex. Cell, 2014, 159, 358-373.	28.9	179
45	Expression-cloning and sequence of a cDNA encoding human growth hormone-releasing factor. Nature, 1983, 306, 86-88.	27.8	176
46	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
47	Characterization of cDNA and genomic clones encoding the precursor to rat hypothalamic growth hormone-releasing factor. Nature, 1985, 314, 464-467.	27.8	137
48	LSD1n is an H4K20 demethylase regulating memory formation via transcriptional elongation control. Nature Neuroscience, 2015, 18, 1256-1264.	14.8	131
49	LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. Neuron, 2015, 86, 696-710.	8.1	130
50	Estradiol Inhibits Leukocyte Adhesion and Transendothelial Migration in Rabbits In Vivo. Circulation Research, 1999, 85, 377-385.	4.5	122
51	Ligand-Dependent Enhancer Activation Regulated by Topoisomerase-I Activity. Cell, 2015, 160, 367-380.	28.9	122
52	No Rest for REST: REST/NRSF Regulation of Neurogenesis. Cell, 2005, 121, 499-501.	28.9	105
53	Altered expression of the calcitonin gene associated with RNA polymorphism. Nature, 1981, 290, 63-65.	27.8	103
54	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. Nature, 2014, 516, 267-271.	27.8	100

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55	Condensin I and II Complexes License Full Estrogen Receptor Î±-Dependent Enhancer Activation. Molecular Cell, 2015, 59, 188-202.	9.7	100
56	A transcriptional switch governs fibroblast activation in heart disease. Nature, 2021, 595, 438-443.	27.8	100
57	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
58	Enhancer release and retargeting activates disease-susceptibility genes. Nature, 2021, 595, 735-740.	27.8	76
59	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
60	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. Molecular Cell, 2015, 59, 931-940.	9.7	66
61	Required enhancerâ€"matrin-3 network interactions for a homeodomain transcription program. Nature, 2014, 514, 257-261.	27.8	63
62	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
63	GPS2/KDM4A Pioneering Activity Regulates Promoter-Specific Recruitment of PPARÎ³. Cell Reports, 2014, 8, 163-176.	6.4	59
64	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
65	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
66	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
67	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. Cell, 2020, 180, 1212-1227.e14.	28.9	54
68	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
69	Glucocorticoid Receptor:MegaTrans Switching Mediates the Repression of an ERÎ±-Regulated Transcriptional Program. Molecular Cell, 2017, 66, 321-331.e6.	9.7	53
70	Physiological functions of programmed DNA breaks in signal-induced transcription. Nature Reviews Molecular Cell Biology, 2017, 18, 471-476.	37.0	49
71	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
72	Pluripotency factors functionally premark cell-type-restricted enhancers in ES cells. Nature, 2018, 556, 510-514.	27.8	42

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73	Glia-specific enhancers and chromatin structure regulate NFIA expression and glioma tumorigenesis. Nature Neuroscience, 2017, 20, 1520-1528.	14.8	38
74	Hippo signalling maintains ER expression and ER+ breast cancer growth. Nature, 2021, 591, E1-E10.	27.8	38
75	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. IScience, 2020, 23, 101034.	4.1	36
76	Allele-specific NKX2-5 binding underlies multiple genetic associations with human electrocardiographic traits. Nature Genetics, 2019, 51, 1506-1517.	21.4	35
77	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
78	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development. Nature Communications, 2020, 11, 2082.	12.8	28
79	CELF RNA binding proteins promote axon regeneration in C. elegans and mammals through alternative splicing of Syntaxins. ELife, 2016, 5, .	6.0	27
80	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
81	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
82	The DNA methyltransferase DNMT3A contributes to autophagy long-term memory. Autophagy, 2021, 17, 1259-1277.	9.1	24
83	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
84	Shape of promoter antisense RNAs regulates ligand-induced transcription activation. Nature, 2021, 595, 444-449.	27.8	23
85	New wrinkles in retinoids. Nature, 1995, 374, 118-119.	27.8	22
86	CtBPs Sense Microenvironmental Oxygen Levels to Regulate Neural Stem Cell State. Cell Reports, 2014, 8, 665-670.	6.4	22
87	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
88	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
89	Dismissal of RNA Polymerase II Underlies a Large Ligand-Induced Enhancer Decommissioning Program. Molecular Cell, 2018, 71, 526-539.e8.	9.7	17
90	Enhancer RNAs Mediate Estrogen-Induced Decommissioning of Selective Enhancers by Recruiting ERÎ± and Its Cofactor. Cell Reports, 2020, 31, 107803.	6.4	17

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91	Molecular Involvement of the Pit-2 Gene in Anterior Pituitary Cell Commitment. Journal of Animal Science, 1996, 74, 94.	0.5	13
92	Crystallization and preliminary X-ray analysis of Pit-1 POU domain complexed to a 28 base pair DNA element. , 1996, 24, 263-265.		12
93	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
94	Immunohistochemical expression of Pit-1 protein in human pituitary adenomas. Endocrine Pathology, 1993, 4, 201-204.	9.0	11
95	Transcriptional enhancers at 40: evolution of a viral DNA element to nuclear architectural structures. Trends in Genetics, 2022, 38, 1019-1047.	6.7	11
96	A comprehensive integrated post-GWAS analysis of Type 1 diabetes reveals enhancer-based immune dysregulation. PLoS ONE, 2021, 16, e0257265.	2.5	9
97	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
98	A Transgenic Insertional Inner Ear Mutation on Mouse Chromosome 1. Laryngoscope, 2000, 110, 489-496.	2.0	2
99	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