

Michael G Rosenfeld

List of Publications by Year in descending order

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99
papers

31,381
citations

25423

59
h-index

40945

97
g-index

104
all docs

104
docs citations

104
times ranked

25816
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.	13.7	2,288
2	Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor. Nature, 1995, 377, 397-404.	13.7	1,917
3	Ligand binding and co-activator assembly of the peroxisome proliferator-activated receptor- β . Nature, 1998, 395, 137-143.	13.7	1,818
4	Primary structure and expression of a functional human glucocorticoid receptor cDNA. Nature, 1985, 318, 635-641.	13.7	1,792
5	Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes. Nature, 1982, 300, 611-615.	13.7	1,275
6	A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression. Nature, 1997, 387, 43-48.	13.7	1,204
7	The transcriptional co-activator p/CIP binds CBP and mediates nuclear-receptor function. Nature, 1997, 387, 677-684.	13.7	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.	13.7	1,177
9	Functional roles of enhancer RNAs for oestrogen-dependent transcriptional activation. Nature, 2013, 498, 516-520.	13.7	860
10	Expression of a large family of POU-domain regulatory genes in mammalian brain development. Nature, 1989, 340, 35-42.	13.7	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.	2.7	833
12	Pituitary lineage determination by the Prophet of Pit-1 homeodomain factor defective in Ames dwarfism. Nature, 1996, 384, 327-333.	13.7	748
13	Enhancers as non-coding RNA transcription units: recent insights and future perspectives. Nature Reviews Genetics, 2016, 17, 207-223.	7.7	614
14	lncRNA-dependent mechanisms of androgen-receptor-regulated gene activation programs. Nature, 2013, 500, 598-602.	13.7	608
15	Requirement for intrinsic protein tyrosine kinase in the immediate and late actions of the EGF receptor. Nature, 1987, 328, 820-823.	13.7	606
16	Retinoic acid and thyroid hormone induce gene expression through a common responsive element. Nature, 1988, 336, 262-265.	13.7	598
17	Pitx2 regulates lung asymmetry, cardiac positioning and pituitary and tooth morphogenesis. Nature, 1999, 401, 279-282.	13.7	568
18	Polarity-specific activities of retinoic acid receptors determined by a co-repressor. Nature, 1995, 377, 451-454.	13.7	554

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19	Mutations in PROP1 cause familial combined pituitary hormone deficiency. <i>Nature Genetics</i> , 1998, 18, 147-149.	9.4	531
20	Role of transcription factors a Brn-3.1 and Brn-3.2 in auditory and visual system development. <i>Nature</i> , 1996, 381, 603-606.	13.7	512
21	Opposing LSD1 complexes function in developmental gene activation and repression programmes. <i>Nature</i> , 2007, 446, 882-887.	13.7	498
22	Pitx2 determines left-right asymmetry of internal organs in vertebrates. <i>Nature</i> , 1998, 394, 545-551.	13.7	492
23	Brain cell type-specific enhancer-promoter interactome maps and disease risk association. <i>Science</i> , 2019, 366, 1134-1139.	6.0	486
24	Molecular basis of the little mouse phenotype and Implications for cell type-specific growth. <i>Nature</i> , 1993, 364, 208-213.	13.7	477
25	Deletion of Crhr2 reveals an anxiolytic role for corticotropin-releasing hormone receptor-2. <i>Nature Genetics</i> , 2000, 24, 415-419.	9.4	477
26	Enhancer RNAs and regulated transcriptional programs. <i>Trends in Biochemical Sciences</i> , 2014, 39, 170-182.	3.7	442
27	Stimulation of noradrenergic sympathetic outflow by calcitonin gene-related peptide. <i>Nature</i> , 1983, 305, 534-536.	13.7	401
28	Histone Methylation-Dependent Mechanisms Impose Ligand Dependency for Gene Activation by Nuclear Receptors. <i>Cell</i> , 2007, 128, 505-518.	13.5	399
29	Domain structure of human glucocorticoid receptor and its relationship to the v-erb-A oncogene product. <i>Nature</i> , 1985, 318, 670-672.	13.7	386
30	A c-erb-A binding site in rat growth hormone gene mediates trans-activation by thyroid hormone. <i>Nature</i> , 1987, 329, 738-741.	13.7	370
31	Brd4 and JMJD6-Associated Anti-Pause Enhancers in Regulation of Transcriptional Pause Release. <i>Cell</i> , 2013, 155, 1581-1595.	13.5	330
32	Transcriptional regulation of growth hormone gene expression by growth hormone-releasing factor. <i>Nature</i> , 1983, 306, 84-85.	13.7	315
33	Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth. <i>Nature</i> , 1992, 360, 765-768.	13.7	311
34	Signal-specific co-activator domain requirements for Pit-1 activation. <i>Nature</i> , 1998, 395, 301-306.	13.7	273
35	Expression of human growth hormone-releasing factor in transgenic mice results in increased somatic growth. <i>Nature</i> , 1985, 315, 413-416.	13.7	256
36	Requirement for Brn-3.0 in differentiation and survival of sensory and motor neurons. <i>Nature</i> , 1996, 384, 574-577.	13.7	251

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37	Phase separation of ligand-activated enhancers licenses cooperative chromosomal enhancer assembly. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 193-203.	3.6	242
38	I-POU: a POU-domain protein that inhibits neuron-specific gene activation. <i>Nature</i> , 1991, 350, 577-584.	13.7	230
39	Allosteric Effects of Pit-1 DNA Sites on Long-Term Repression in Cell Type Specification. <i>Science</i> , 2000, 290, 1127-1131.	6.0	227
40	Autoregulation of pit-1 gene expression mediated by two cis-active promoter elements. <i>Nature</i> , 1990, 346, 583-586.	13.7	214
41	Epidermal growth factor rapidly stimulates prolactin gene transcription. <i>Nature</i> , 1982, 300, 192-194.	13.7	209
42	Signaling and Transcriptional Mechanisms in Pituitary Development. <i>Annual Review of Neuroscience</i> , 2001, 24, 327-355.	5.0	190
43	Role of Estrogen Receptor- β in the Anterior Pituitary Gland. <i>Molecular Endocrinology</i> , 1997, 11, 674-681.	3.7	187
44	Enhancer Activation Requires trans-Recruitment of a Mega Transcription Factor Complex. <i>Cell</i> , 2014, 159, 358-373.	13.5	179
45	Expression-cloning and sequence of a cDNA encoding human growth hormone-releasing factor. <i>Nature</i> , 1983, 306, 86-88.	13.7	176
46	RLIM inhibits functional activity of LIM homeodomain transcription factors via recruitment of the histone deacetylase complex. <i>Nature Genetics</i> , 1999, 22, 394-399.	9.4	140
47	Characterization of cDNA and genomic clones encoding the precursor to rat hypothalamic growth hormone-releasing factor. <i>Nature</i> , 1985, 314, 464-467.	13.7	137
48	LSD1n is an H4K20 demethylase regulating memory formation via transcriptional elongation control. <i>Nature Neuroscience</i> , 2015, 18, 1256-1264.	7.1	131
49	LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. <i>Neuron</i> , 2015, 86, 696-710.	3.8	130
50	Estradiol Inhibits Leukocyte Adhesion and Transendothelial Migration in Rabbits In Vivo. <i>Circulation Research</i> , 1999, 85, 377-385.	2.0	122
51	Ligand-Dependent Enhancer Activation Regulated by Topoisomerase-I Activity. <i>Cell</i> , 2015, 160, 367-380.	13.5	122
52	No Rest for REST: REST/NRSF Regulation of Neurogenesis. <i>Cell</i> , 2005, 121, 499-501.	13.5	105
53	Altered expression of the calcitonin gene associated with RNA polymorphism. <i>Nature</i> , 1981, 290, 63-65.	13.7	103
54	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. <i>Nature</i> , 2014, 516, 267-271.	13.7	100

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55	Condensin I and II Complexes License Full Estrogen Receptor $\hat{\pm}$ -Dependent Enhancer Activation. <i>Molecular Cell</i> , 2015, 59, 188-202.	4.5	100
56	A transcriptional switch governs fibroblast activation in heart disease. <i>Nature</i> , 2021, 595, 438-443.	13.7	100
57	Mitochondrial Retrograde Signaling in Mammals Is Mediated by the Transcriptional Cofactor GPS2 via Direct Mitochondria-to-Nucleus Translocation. <i>Molecular Cell</i> , 2018, 69, 757-772.e7.	4.5	95
58	Enhancer release and retargeting activates disease-susceptibility genes. <i>Nature</i> , 2021, 595, 735-740.	13.7	76
59	JMJD6 Licenses ER $\hat{\pm}$ -Dependent Enhancer and Coding Gene Activation by Modulating the Recruitment of the CARM1/MED12 Co-activator Complex. <i>Molecular Cell</i> , 2018, 70, 340-357.e8.	4.5	72
60	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015, 59, 931-940.	4.5	66
61	Required enhancer $\hat{\text{c}}$ matrin-3 network interactions for a homeodomain transcription program. <i>Nature</i> , 2014, 514, 257-261.	13.7	63
62	Chem-seq permits identification of genomic targets of drugs against androgen receptor regulation selected by functional phenotypic screens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9235-9240.	3.3	60
63	GPS2/KDM4A Pioneering Activity Regulates Promoter-Specific Recruitment of PPAR $\hat{\text{3}}$. <i>Cell Reports</i> , 2014, 8, 163-176.	2.9	59
64	Thyroid hormone receptor beta and NCOA4 regulate terminal erythrocyte differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10107-10112.	3.3	59
65	Arginine methylation of HSP70 regulates retinoid acid-mediated <i>RAR$\hat{\text{2}}$</i> gene activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3327-36.	3.3	57
66	REST corepressors RCOR1 and RCOR2 and the repressor INSM1 regulate the proliferation $\hat{\text{c}}$ differentiation balance in the developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E406-E415.	3.3	57
67	Initiation of Parental Genome Reprogramming in Fertilized Oocyte by Splicing Kinase SRPK1-Catalyzed Protamine Phosphorylation. <i>Cell</i> , 2020, 180, 1212-1227.e14.	13.5	54
68	Neural Stem Cell Differentiation Is Dictated by Distinct Actions of Nuclear Receptor Corepressors and Histone Deacetylases. <i>Stem Cell Reports</i> , 2014, 3, 502-515.	2.3	53
69	Glucocorticoid Receptor:MegaTrans Switching Mediates the Repression of an ER $\hat{\pm}$ -Regulated Transcriptional Program. <i>Molecular Cell</i> , 2017, 66, 321-331.e6.	4.5	53
70	Physiological functions of programmed DNA breaks in signal-induced transcription. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 471-476.	16.1	49
71	Notch-Dependent Pituitary SOX2 + Stem Cells Exhibit a Timed Functional Extinction in Regulation of the Postnatal Gland. <i>Stem Cell Reports</i> , 2015, 5, 1196-1209.	2.3	42
72	Pluripotency factors functionally premark cell-type-restricted enhancers in ES cells. <i>Nature</i> , 2018, 556, 510-514.	13.7	42

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73	Glia-specific enhancers and chromatin structure regulate NFIA expression and glioma tumorigenesis. <i>Nature Neuroscience</i> , 2017, 20, 1520-1528.	7.1	38
74	Hippo signalling maintains ER expression and ER+ breast cancer growth. <i>Nature</i> , 2021, 591, E1-E10.	13.7	38
75	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. <i>IScience</i> , 2020, 23, 101034.	1.9	36
76	Allele-specific NKX2-5 binding underlies multiple genetic associations with human electrocardiographic traits. <i>Nature Genetics</i> , 2019, 51, 1506-1517.	9.4	35
77	Relationship between production of epidermal growth factor receptors, gene amplification, and chromosome 7 translocation in variant A431 cells. <i>Somatic Cell and Molecular Genetics</i> , 1985, 11, 309-318.	0.7	33
78	LSD1-mediated enhancer silencing attenuates retinoic acid signalling during pancreatic endocrine cell development. <i>Nature Communications</i> , 2020, 11, 2082.	5.8	28
79	CELF RNA binding proteins promote axon regeneration in <i>C. elegans</i> and mammals through alternative splicing of <i>Syntaxins</i> . <i>ELife</i> , 2016, 5, .	2.8	27
80	Histone demethylase LSD1 regulates hematopoietic stem cells homeostasis and protects from death by endotoxic shock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E244-E252.	3.3	25
81	Enhancer-bound LDB1 regulates a corticotrope promoter-pausing repression program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1380-1385.	3.3	24
82	The DNA methyltransferase DNMT3A contributes to autophagy long-term memory. <i>Autophagy</i> , 2021, 17, 1259-1277.	4.3	24
83	Signalosome-Regulated Serum Response Factor Phosphorylation Determining Myocyte Growth in Width Versus Length as a Therapeutic Target for Heart Failure. <i>Circulation</i> , 2020, 142, 2138-2154.	1.6	23
84	Shape of promoter antisense RNAs regulates ligand-induced transcription activation. <i>Nature</i> , 2021, 595, 444-449.	13.7	23
85	New wrinkles in retinoids. <i>Nature</i> , 1995, 374, 118-119.	13.7	22
86	CtBPs Sense Microenvironmental Oxygen Levels to Regulate Neural Stem Cell State. <i>Cell Reports</i> , 2014, 8, 665-670.	2.9	22
87	Modification of representational difference analysis applied to the isolation of forskolin-regulated genes from Schwann cells. <i>Journal of Neuroscience Research</i> , 2001, 63, 516-524.	1.3	20
88	Epithelial cell integrin β 1 is required for developmental angiogenesis in the pituitary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13408-13413.	3.3	18
89	Dismissal of RNA Polymerase II Underlies a Large Ligand-Induced Enhancer Decommissioning Program. <i>Molecular Cell</i> , 2018, 71, 526-539.e8.	4.5	17
90	Enhancer RNAs Mediate Estrogen-Induced Decommissioning of Selective Enhancers by Recruiting ER α and Its Cofactor. <i>Cell Reports</i> , 2020, 31, 107803.	2.9	17

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91	Molecular Involvement of the Pit-2 Gene in Anterior Pituitary Cell Commitment. <i>Journal of Animal Science</i> , 1996, 74, 94.	0.2	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). <i>Development Growth and Differentiation</i> , 1992, 34, 473-478.	0.6	11
94	Immunohistochemical expression of Pit-1 protein in human pituitary adenomas. <i>Endocrine Pathology</i> , 1993, 4, 201-204.	5.2	11
95	Transcriptional enhancers at 40: evolution of a viral DNA element to nuclear architectural structures. <i>Trends in Genetics</i> , 2022, 38, 1019-1047.	2.9	11
96	A comprehensive integrated post-GWAS analysis of Type 1 diabetes reveals enhancer-based immune dysregulation. <i>PLoS ONE</i> , 2021, 16, e0257265.	1.1	9
97	An epigenomic role of Fe65 in the cellular response to DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 40-47.	0.4	6
98	A Transgenic Insertional Inner Ear Mutation on Mouse Chromosome 1. <i>Laryngoscope</i> , 2000, 110, 489-496.	1.1	2
99	Molecular mechanisms of a disease susceptibility variant of SIRT1: Genotoxic stressâ€induced, CTCFâ€dependent activation of SIRT1 gene expression. <i>FASEB Journal</i> , 2010, 24, 833.23.	0.2	0