Richard M Gronostajski

List of Publications by Year
in descending order

101	6,432	66343 42	74163 75
papers	citations	h-index	g-index

105	105	105	7317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deletion of NFIX results in defective progression through meiosis within the mouse testis. Biology of Reproduction, 2022, , .	2.7	4
2	NFIA and NFIB function as tumour suppressors in high-grade glioma in mice. Carcinogenesis, 2021, 42, 357-368.	2.8	7
3	Common Regulatory Targets of NFIA, NFIX and NFIB during Postnatal Cerebellar Development. Cerebellum, 2020, 19, 89-101.	2.5	16
4	Alterations in gene expression in the spinal cord of mice lacking Nfix. BMC Research Notes, 2020, 13, 437.	1.4	1
5	NFI transcription factors provide chromatin access to maintain stem cell identity while preventing unintended lineage fate choices. Nature Cell Biology, 2020, 22, 640-650.	10.3	52
6	Differential DNA methylation of vocal and facial anatomy genes in modern humans. Nature Communications, 2020, 11, 1189.	12.8	69
7	Nuclear Factor I/A Controls A-fiber Nociceptor Development. Neuroscience Bulletin, 2020, 36, 685-695.	2.9	7
8	Common regulatory targets of NFIA and NFIX mediate postnatal cerebellar development. IBRO Reports, 2019, 6, S337-S338.	0.3	0
9	Single-Cell RNA-Seq Analysis of Retinal Development Identifies NFI Factors as Regulating Mitotic Exit and Late-Born Cell Specification. Neuron, 2019, 102, 1111-1126.e5.	8.1	343
10	Variants in nuclear factor I genes influence growth and development. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 611-626.	1.6	32
11	Heterozygosity for Nuclear Factor One X in mice models features of Malan syndrome. EBioMedicine, 2019, 39, 388-400.	6.1	9
12	Granule neuron precursor cell proliferation is regulated by NFIX and intersectin 1 during postnatal cerebellar development. Brain Structure and Function, 2019, 224, 811-827.	2.3	10
13	Nuclear Factor One X in Development and Disease. Trends in Cell Biology, 2019, 29, 20-30.	7.9	36
14	NFIX-Mediated Inhibition of Neuroblast Branching Regulates Migration Within the Adult Mouse Ventricularâ€“Subventricular Zone. Cerebral Cortex, 2019, 29, 3590-3604.	2.9	10
15	BDNF activates an NFI-dependent neurodevelopmental timing program by sequestering NFATc4. Molecular Biology of the Cell, 2018, 29, 975-987.	2.1	12
16	Neurogenic differentiation by hippocampal neural stem and progenitor cells is biased by NFIX expression. Development (Cambridge), 2018, 145, .	2.5	29
17	NFIB Haploinsufficiency Is Associated with Intellectual Disability and Macrocephaly. American Journal of Human Genetics, 2018, 103, 752-768.	6.2	40
18	Analysis of hippocampal-dependent learning and memory behaviour in mice lacking Nfix from adult neural stem cells. BMC Research Notes, 2018, 11, 564.	1.4	4

#	Article	IF	Citations
19	Transcriptional regulation of ependymal cell maturation within the postnatal brain. Neural Development, 2018, 13, 2.	2.4	21
20	Cell-type-specific expression of NFIX in the developing and adult cerebellum. Brain Structure and Function, 2017, 222, 2251-2270.	2.3	15
21	Differential neuronal and glial expression of nuclear factor I proteins in the cerebral cortex of adult mice. Journal of Comparative Neurology, 2017, 525, spc1-spc1.	1.6	0
22	Nuclear Factor I/B: A Master Regulator of Cell Differentiation with Paradoxical Roles in Cancer. EBioMedicine, 2017, 22, 2-9.	6.1	51
23	Differential neuronal and glial expression of nuclear factor I proteins in the cerebral cortex of adult mice. Journal of Comparative Neurology, 2017, 525, 2465-2483.	1.6	35
24	Transcriptional regulation of Nfix by NFIB drives astrocytic maturation within the developing spinal cord. Developmental Biology, 2017, 432, 286-297.	2.0	50
25	Nfib hemizygous mice are protected from hyperoxic lung injury and death. Physiological Reports, 2017, 5, e13398.	1.7	8
26	Combined allelic dosage of Nfia and Nfib regulates cortical development. Brain and Neuroscience Advances, 2017, 1, 239821281773943.	3.4	22
27	Transcriptional regulation of intermediate progenitor cell generation during hippocampal development. Development (Cambridge), 2016, 143, 4620-4630.	2.5	33
28	Reciprocal autoregulation by NFI occupancy and ETV1 promotes the developmental expression of dendrite-synapse genes in cerebellar granule neurons. Molecular Biology of the Cell, 2016, 27, 1488-1499.	2.1	21
29	NFIB overexpression cooperates with Rb/p53 deletion to promote small cell lung cancer. Oncotarget, 2016, 7, 57514-57524.	1.8	61
30	Nfix Expression Critically Modulates Early B Lymphopoiesis and Myelopoiesis. PLoS ONE, 2015, 10, e0120102.	2.5	19
31	NFIX Regulates Proliferation and Migration Within the Murine SVZ Neurogenic Niche. Cerebral Cortex, 2015, 25, 3758-3778.	2.9	43
32	Expansion of the lateral ventricles and ependymal deficits underlie the hydrocephalus evident in mice lacking the transcription factor NFIX. Brain Research, 2015, 1616, 71-87.	2.2	22
33	Loss of NFIX Transcription Factor Biases Postnatal Neural Stem/Progenitor Cells Toward Oligodendrogenesis. Stem Cells and Development, 2015, 24, 2114-2126.	2.1	21
34	Nuclear factor one transcription factors: Divergent functions in developmental versus adult stem cell populations. Developmental Dynamics, 2015, 244, 227-238.	1.8	60
35	Coregulation of Genetic Programs by the Transcription Factors NFIB and STAT5. Molecular Endocrinology, 2014, 28, 758-767.	3.7	16
36	NFIB-Mediated Repression of the Epigenetic FactorEzh2Regulates Cortical Development. Journal of Neuroscience, 2014, 34, 2921-2930.	3.6	70

#	Article	IF	Citations
37	NFI Transcription Factors Interact with FOXA1 to Regulate Prostate-Specific Gene Expression. Molecular Endocrinology, 2014, 28, 949-964.	3.7	70
38	NFI-C Regulates Osteoblast Differentiation via Control of Osterix Expression. Stem Cells, 2014, 32, 2467-2479.	3.2	49
39	Nuclear Factor One X Regulates Bobby Sox During Development of the Mouse Forebrain. Cellular and Molecular Neurobiology, 2013, 33, 867-873.	3.3	17
40	NFIB is a governor of epithelialâ€“melanocyte stem cell behaviour in a shared niche. Nature, 2013, 495, 98-102.	27.8	144
41	Temporal Regulation of Nuclear Factor One Occupancy by Calcineurin/NFAT Governs a Voltage-Sensitive Developmental Switch in Late Maturing Neurons. Journal of Neuroscience, 2013, 33, 2860-2872.	3.6	33
42	Epigenomic enhancer annotation reveals a key role for NFIX in neural stem cell quiescence. Genes and Development, 2013, 27, 1769-1786.	5.9	170
43	Heterozygosity for Nuclear Factor One X Affects Hippocampal-Dependent Behaviour in Mice. PLoS ONE, 2013, 8, e65478.	2.5	19
44	Sox9 and NFIA Coordinate a Transcriptional Regulatory Cascade during the Initiation of Gliogenesis. Neuron, 2012, 74, 79-94.	8.1	287
45	Nuclear Factor I and Cerebellar Granule Neuron Development: An Intrinsicâ€“Extrinsic Interplay. Cerebellum, 2012, 11, 41-49.	2.5	23
46	The NFI-Regulome Database: A tool for annotation and analysis of control regions of genes regulated by Nuclear Factor I transcription factors. Journal of Clinical Bioinformatics, 2011, 1, 4.	1.2	22
47	Mesenchymal Nuclear factor I B regulates cell proliferation and epithelial differentiation during lung maturation. Developmental Biology, 2011, 354, 242-252.	2.0	69
48	Real Time FRET Based Detection of Mechanical Stress in Cytoskeletal and Extracellular Matrix Proteins. Cellular and Molecular Bioengineering, 2011, 4, 148-159.	2.1	65
49	Nuclear factor one X regulates the development of multiple cellular populations in the postnatal cerebellum. Journal of Comparative Neurology, 2011, 519, 3532-3548.	1.6	44
50	Transcription factor Lhx2 is necessary and sufficient to suppress astrogliogenesis and promote neurogenesis in the developing hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E265-74.	7.1	94
51	Recombination activation gene-2-deficient blastocyst complementation analysis reveals an essential role for nuclear factor I-A transcription factor in T-cell activation. International Immunology, 2011, 23, 385-390.	4.0	3
52	Crosstalk between Nuclear Factor I-C and Transforming Growth Factor-Î²1 Signaling Regulates Odontoblast Differentiation and Homeostasis. PLoS ONE, 2011, 6, e29160.	2.5	44
53	Targets of the nuclear factor I regulon involved in early and late development of postmitotic cerebellar granule neurons. Journal of Neuroscience Research, 2010, 88, 258-265.	2.9	29
54	NMDA-induced neuronal survival is mediated through nuclear factor I-A in mice. Journal of Clinical Investigation, 2010, 120, 2446-2456.	8.2	42

#	Article	IF	Citations
55	NFIA Controls Telencephalic Progenitor Cell Differentiation through Repression of the Notch Effector Hes1. Journal of Neuroscience, 2010, 30, 9127-9139.	3.6	119
56	Nfix Regulates Fetal-Specific Transcription in Developing Skeletal Muscle. Cell, 2010, 140, 554-566.	28.9	173
57	NFIA controls progenitor cell differentiation through repression of the Notch effector Hes1. FASEB Journal, 2010, 24, 65.2.	0.5	0
58	DNA-binding specificity and in vivo targets of Caenorhabditis elegans nuclear factor I. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12049-12054.	7.1	29
59	Nuclear Factor I-C Is Essential for Odontogenic Cell Proliferation and Odontoblast Differentiation during Tooth Root Development. Journal of Biological Chemistry, 2009, 284, 17293-17303.	3.4	88
60	Nuclear Factor I-C Links Platelet-Derived Growth Factor and Transforming Growth Factor Î²1 Signaling to Skin Wound Healing Progression. Molecular and Cellular Biology, 2009, 29, 6006-6017.	2.3	47
61	Disruption of Nfic Causes Dissociation of Odontoblasts by Interfering With the Formation of Intercellular Junctions and Aberrant Odontoblast Differentiation. Journal of Histochemistry and Cytochemistry, 2009, 57, 469-476.	2.5	31
62	Absence of the transcription factor Nfib delays the formation of the basilar pontine and other mossy fiber nuclei. Journal of Comparative Neurology, 2009, 513, 98-112.	1.6	22
63	Nuclear Factor One Transcription Factors in CNS Development. Molecular Neurobiology, 2009, 39, 10-23.	4.0	89
64	Multiple non-cell-autonomous defects underlie neocortical callosal dysgenesis in Nfib-deficient mice. Neural Development, 2009, 4, 43.	2.4	58
65	The transcription factor Nfixis essential for normal brain development. BMC Developmental Biology, 2008, 8, 52.	2.1	143
66	Nuclear factor I gene expression in the developing forebrain. Journal of Comparative Neurology, 2008, 508, 385-401.	1.6	74
67	Nuclear factor I gene expression in the developing forebrain. Journal of Comparative Neurology, 2008, 508, SPC1-SPC1.	1.6	0
68	Nuclear factor I gene expression in the developing forebrain. Journal of Comparative Neurology, 2008, 508, spc1.	1.6	0
69	Specific Glial Populations Regulate Hippocampal Morphogenesis. Journal of Neuroscience, 2008, 28, 12328-12340.	3.6	84
70	NFIA Haploinsufficiency Is Associated with a CNS Malformation Syndrome and Urinary Tract Defects. PLoS Genetics, 2007, 3, e80.	3.5	100
71	Nuclear Factor I Coordinates Multiple Phases of Cerebellar Granule Cell Development via Regulation of Cell Adhesion Molecules. Journal of Neuroscience, 2007, 27, 6115-6127.	3.6	73
72	Nfic Gene Disruption Inhibits Differentiation of Odontoblasts Responsible for Root Formation and Results in Formation of Short and Abnormal Roots in Mice. Journal of Periodontology, 2007, 78, 1795-1802.	3.4	72

#	Article	IF	Citations
73	T-box proteins differentially activate the expression of the endogenous interferon Î³ gene versus transfected reporter genes in non-immune cells. Gene, 2006, 377, 130-139.	2.2	10
74	The Transcription Factor NFIA Controls the Onset of Gliogenesis in the Developing Spinal Cord. Neuron, 2006, 52, 953-968.	8.1	419
75	nfi-I affects behavior and life-span in C. elegans but is not essential for DNA replication or survival. BMC Developmental Biology, 2005, 5, 24.	2.1	7
76	The Transcription Factor Gene Nfib Is Essential for both Lung Maturation and Brain Development. Molecular and Cellular Biology, 2005, 25, 685-698.	2.3	266
77	Transcriptional Regulation of Rat CYP2A3 by Nuclear Factor 1. Journal of Biological Chemistry, 2004, 279, 27888-27895.	3.4	23
78	A Role for Nuclear Factor I in the Intrinsic Control of Cerebellar Granule Neuron Gene Expression. Journal of Biological Chemistry, 2004, 279, 53491-53497.	3.4	55
79	Differential target gene activation by TBX2 and TBX2VP16: evidence for activation domain-dependent modulation of gene target specificity. Gene, 2004, 342, 67-76.	2.2	10
80	The Nuclear Factor I (NFI) gene family in mammary gland development and function. Journal of Mammary Gland Biology and Neoplasia, 2003, 8, 241-254.	2.7	42
81	Nuclear Factor I/Thyroid Transcription Factor 1 Interactions Modulate Surfactant Protein C Transcription. Molecular and Cellular Biology, 2003, 23, 9014-9024.	2.3	60
82	Essential Role for NFI-C/CTF Transcription-Replication Factor in Tooth Root Development. Molecular and Cellular Biology, 2003, 23, 1075-1084.	2.3	176
83	Bel1-mediated Transactivation of the Spumaretroviral Internal Promoter Is Repressed by Nuclear Factor I. Journal of Biological Chemistry, 2003, 278, 11836-11842.	3.4	8
84	Abnormal Development of Forebrain Midline Glia and Commissural Projections inNfiaKnock-Out Mice. Journal of Neuroscience, 2003, 23, 203-212.	3.6	196
85	Differential Interactions of Specific Nuclear Factor I Isoforms with the Glucocorticoid Receptor and STAT5 in the Cooperative Regulation of WAP Gene Transcription. Molecular and Cellular Biology, 2001, 21, 6859-6869.	2.3	59
86	Roles of the NFI/CTF gene family in transcription and development. Gene, 2000, 249, 31-45.	2.2	474
87	Differential DNA binding and transcription modulation by three T-box proteins, T, TBX1 and TBX2. Gene, 2000, 258, 15-29.	2.2	79
88	CREB Binding Protein Coordinates the Function of Multiple Transcription Factors Including Nuclear Factor I to Regulate Phosphoenolpyruvate Carboxykinase (GTP) Gene Transcription. Journal of Biological Chemistry, 1999, 274, 8813-8822.	3.4	79
89	Nuclear Factor I-mediated Repression of the Mouse Mammary Tumor Virus Promoter Is Abrogated by the Coactivators p300/CBP and SRC-1. Journal of Biological Chemistry, 1999, 274, 7072-7081.	3.4	41
90	AF111264 (Nfib), AF111265 (Nfic), AF111266 (Nfix).-->. Mammalian Genome, 1999, 10, 390-396.	2.2	24

#	Article	IF	Citations
91	Identification of NFI-binding sites and cloning of NFI-cDNAs suggest a regulatory role for NFI transcription factors in olfactory neuron gene expression. Molecular Brain Research, 1999, 72, 65-79.	2.3	35
92	Nuclear Factor I (NFI) Isoforms Differentially Activate Simple versus Complex NFI-responsive Promoters. Journal of Biological Chemistry, 1998, 273, 18538-18546.	3.4	61
93	Nuclear Factor I Regulates Expression of the Gene for Phosphoenolpyruvate Carboxykinase (GTP). Journal of Biological Chemistry, 1998, 273, 13387-13390.	3.4	24
94	Thioltransferase (Glutaredoxin) Reactivates the DNA-binding Activity of Oxidation-inactivated Nuclear Factor I. Journal of Biological Chemistry, 1998, 273, 392-397.	3.4	135
95	Expression patterns of the four nuclear factor I genes during mouse embryogenesis indicate a potential role in development. Developmental Dynamics, 1997, 208, 313-325.	1.8	196
96	Expression patterns of the four nuclear factor I genes during mouse embryogenesis indicate a potential role in development. Developmental Dynamics, 1997, 208, 313-325.	1.8	1
97	Stimulation of transcriptionin vitroby binding sites for nuclear factor I. Nucleic Acids Research, 1988, 16, 2087-2098.	14.5	27
98	Analysis of nuclear factor I binding to DNA using degenerate oligonucleotides. Nucleic Acids Research, 1986, 14, 9117-9132.	14.5	108
99	Protein degradation in 3T3 cells and tumorigenic transformed 3T3 cells. Journal of Cellular Physiology, 1984, 119, 127-132.	4.1	54
100	The role of increased proteolysis in the atrophy and arrest of proliferation in serum-deprived fibroblasts. Journal of Cellular Physiology, 1984, 121, 189-198.	4.1	34
101	Physical and Kinetic Properties of the Nicotinamide Adenine Dinucleotide-specific Glutamate Dehydrogenase Purified from Chlorella sorokiniana. Plant Physiology, 1978, 61, 967-974.	4.8	37