Jeffrey D Milbrandt

List of Publications by Year
in descending order

217 papers	28,019 citations	4584 88 h-index	7427 157 g-index
240 all docs	240 docs citations	240 times ranked	27879 citing authors

#	Article	IF	Citations
1	A phytobacterial TIR domain effector manipulates NAD⁺ to promote virulence. New Phytologist, 2022, 233, 890-904.	3.5	47
2	From karyotypes to precision genomics in 9p deletion and duplication syndromes. Human Genetics and Genomics Advances, 2022, 3, 100081.	1.0	9
3	Constitutively active SARM1 variants that induce neuropathy are enriched in ALS patients. Molecular Neurodegeneration, 2022, 17, 1.	4.4	58
4	Disentangling glial diversity in peripheral nerves at single-nuclei resolution. Nature Neuroscience, 2022, 25, 238-251.	7.1	35
5	Sarm1 activation produces cADPR to increase intra-axonal Ca++ and promote axon degeneration in PIPN. Journal of Cell Biology, 2022, 221, .	2.3	44
6	Structural basis of SARM1 activation, substrate recognition, and inhibition by small molecules. Molecular Cell, 2022, 82, 1643-1659.e10.	4.5	66
7	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. Cell Reports, 2022, 39, 110738.	2.9	13
8	Loss of Stathmin-2, a hallmark of TDP-43-associated ALS, causes motor neuropathy. Cell Reports, 2022, 39, 111001.	2.9	34
9	Shared TIR enzymatic functions regulate cell death and immunity across the tree of life. Science, 2022, 377, .	6.0	59
10	Rapid and Extraction-Free Detection of SARS-CoV-2 from Saliva by Colorimetric Reverse-Transcription Loop-Mediated Isothermal Amplification. Clinical Chemistry, 2021, 67, 415-424.	1.5	192
11	Multiple domain interfaces mediate SARM1 autoinhibition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	54
12	Small Molecule SARM1 Inhibitors Recapitulate the SARM1â^'/â^' Phenotype and Allow Recovery of a Metastable Pool of Axons Fated to Degenerate. Cell Reports, 2021, 34, 108588.	2.9	103
13	SARM1 is a metabolic sensor activated by an increased NMN/NAD+ ratio to trigger axon degeneration. Neuron, 2021, 109, 1118-1136.e11.	3.8	168
14	SARM1 is required in human derived sensory neurons for injury-induced and neurotoxic axon degeneration. Experimental Neurology, 2021, 339, 113636.	2.0	30
15	The SARM1 TIR NADase: Mechanistic Similarities to Bacterial Phage Defense and Toxin-Antitoxin Systems. Frontiers in Immunology, 2021, 12, 752898.	2.2	12
16	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. Experimental Neurology, 2021, 345, 113842.	2.0	24
17	Neurotoxins subvert the allosteric activation mechanism of SARM1 to induce neuronal loss. Cell Reports, 2021, 37, 109872.	2.9	18
18	Live imaging reveals the cellular events downstream of SARM1 activation. ELife, 2021, 10, .	2.8	36

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19	DLK Activation Synergizes with Mitochondrial Dysfunction to Downregulate Axon Survival Factors and Promote SARM1-Dependent Axon Degeneration. Molecular Neurobiology, 2020, 57, 1146-1158.	1.9	59
20	Disrupting insulin signaling in Schwann cells impairs myelination and induces a sensory neuropathy. Glia, 2020, 68, 963-978.	2.5	33
21	High-throughput single-cell functional elucidation of neurodevelopmental diseaseâ€œassociated genes reveals convergent mechanisms altering neuronal differentiation. Genome Research, 2020, 30, 1317-1331.	2.4	50
22	Domain-centric database to uncover structure of minimally characterized viral genomes. Scientific Data, 2020, 7, 202.	2.4	2
23	cADPR is a gene dosage-sensitive biomarker of SARM1 activity in healthy, compromised, and degenerating axons. Experimental Neurology, 2020, 329, 113252.	2.0	79
24	Cell-autonomous expression of the acid hydrolase galactocerebrosidase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9032-9041.	3.3	8
25	Peripheral nerve resident macrophages share tissue-specific programming and features of activated microglia. Nature Communications, 2020, 11, 2552.	5.8	84
26	SARM1 acts downstream of neuroinflammatory and necroptotic signaling to induce axon degeneration. Journal of Cell Biology, 2020, 219, .	2.3	99
27	SARM1 depletion rescues NMNAT1-dependent photoreceptor cell death and retinal degeneration. ELife, 2020, 9, .	2.8	56
28	TIR domains of plant immune receptors are NAD ⁺ -cleaving enzymes that promote cell death. Science, 2019, 365, 799-803.	6.0	337
29	Gene therapy targeting SARM1 blocks pathological axon degeneration in mice. Journal of Experimental Medicine, 2019, 216, 294-303.	4.2	107
30	Vincristine and bortezomib use distinct upstream mechanisms to activate a common SARM1-dependent axon degeneration program. JCI Insight, 2019, 4, .	2.3	100
31	TIR Domain Proteins Are an Ancient Family of NAD+-Consuming Enzymes. Current Biology, 2018, 28, 421-430.e4.	1.8	217
32	Abnormal Microglia and Enhanced Inflammation-Related Gene Transcription in Mice with Conditional Deletion of<i>Ctcf</i>in<i>Camk2a-Cre</i>-Expressing Neurons. Journal of Neuroscience, 2018, 38, 200-219.	1.7	55
33	HSP90 is a chaperone for DLK and is required for axon injury signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9899-E9908.	3.3	30
34	Single-Cell RNA-Seq Uncovers a Robust Transcriptional Response to Morphine by Glia. Cell Reports, 2018, 24, 3619-3629.e4.	2.9	109
35	Palmitoylation enables MAPK-dependent proteostasis of axon survival factors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8746-E8754.	3.3	59
36	Schwann cell O-GlcNAcylation promotes peripheral nerve remyelination via attenuation of the AP-1 transcription factor JUN. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8019-8024.	3.3	32

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37	Dysregulation of NAD⁺ Metabolism Induces a Schwann Cell Dedifferentiation Program. Journal of Neuroscience, 2018, 38, 6546-6562.	1.7	36
38	mTORC1 promotes proliferation of immature Schwann cells and myelin growth of differentiated Schwann cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4261-E4270.	3.3	50
39	The SARM1 Toll/Interleukin-1 Receptor Domain Possesses Intrinsic NAD + Cleavage Activity that Promotes Pathological Axonal Degeneration. Neuron, 2017, 93, 1334-1343.e5.	3.8	446
40	NMNAT3 is protective against the effects of neonatal cerebral hypoxiaâ€ischemia. Annals of Clinical and Translational Neurology, 2017, 4, 722-738.	1.7	12
41	MAPK signaling promotes axonal degeneration by speeding the turnover of the axonal maintenance factor NMNAT2. ELife, 2017, 6, .	2.8	123
42	NMNAT1 inhibits axon degeneration via blockade of SARM1-mediated NAD+ depletion. ELife, 2016, 5, .	2.8	159
43	An NAD ⁺ -dependent transcriptional program governs self-renewal and radiation resistance in glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8247-E8256.	3.3	101
44	Is Axonal Degeneration a Key Early Event in Parkinsonâ€™s Disease?. Journal of Parkinson's Disease, 2016, 6, 703-707.	1.5	36
45	TMEM184b Promotes Axon Degeneration and Neuromuscular Junction Maintenance. Journal of Neuroscience, 2016, 36, 4681-4689.	1.7	27
46	SARM1-specific motifs in the TIR domain enable NAD ⁺ loss and regulate injury-induced SARM1 activation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6271-E6280.	3.3	115
47	Nmnat1 protects neuronal function without altering phosphoâ€tau pathology in a mouse model of tauopathy. Annals of Clinical and Translational Neurology, 2016, 3, 434-442.	1.7	23
48	Schwann Cell O-GlcNAc Glycosylation Is Required for Myelin Maintenance and Axon Integrity. Journal of Neuroscience, 2016, 36, 9633-9646.	1.7	48
49	Prevention of vincristine-induced peripheral neuropathy by genetic deletion of SARM1 in mice. Brain, 2016, 139, 3092-3108.	3.7	217
50	Axon Self-Destruction: New Links among SARM1, MAPKs, and NAD+ Metabolism. Neuron, 2016, 89, 449-460.	3.8	277
51	Extracellular pH Modulates Neuroendocrine Prostate Cancer Cell Metabolism and Susceptibility to the Mitochondrial Inhibitor Niclosamide. PLoS ONE, 2016, 11, e0159675.	1.1	31
52	Feeding the brain and nurturing the mind: Linking nutrition and the gut microbiota to brain development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14105-14112.	3.3	114
53	Exome sequencing reveals pathogenic mutations in 91 strains of mice with Mendelian disorders. Genome Research, 2015, 25, 948-957.	2.4	54
54	SARM1 activation triggers axon degeneration locally via NAD ⁺ destruction. Science, 2015, 348, 453-457.	6.0	452

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55	Characterization of Leber Congenital Amaurosis-associated NMNAT1 Mutants. Journal of Biological Chemistry, 2015, 290, 17228-17238.	1.6	33
56	Validation of a Next-Generation Sequencing Assay for Clinical Molecular Oncology. Journal of Molecular Diagnostics, 2014, 16, 89-105.	1.2	168
57	Mitochondrial Dysfunction Induces Sarm1-Dependent Cell Death in Sensory Neurons. Journal of Neuroscience, 2014, 34, 9338-9350.	1.7	148
58	Metabolic regulator LKB1 is crucial for Schwann cellâ€“mediated axon maintenance. Nature Neuroscience, 2014, 17, 1351-1361.	7.1	163
59	An integrated approach to characterize transcription factor and microRNA regulatory networks involved in Schwann cell response to peripheral nerve injury. BMC Genomics, 2013, 14, 84.	1.2	35
60	Sarm1-Mediated Axon Degeneration Requires Both SAM and TIR Interactions. Journal of Neuroscience, 2013, 33, 13569-13580.	1.7	302
61	Role of oxygen consumption in hypoxia protection by translation factor depletion. Journal of Experimental Biology, 2013, 216, 2283-92.	0.8	15
62	Protection of Mouse Retinal Ganglion Cell Axons and Soma from Glaucomatous and Ischemic Injury by Cytoplasmic Overexpression of Nmnat1. , 2013, 54, 25.		56
63	The Phr1ÂUbiquitin Ligase Promotes Injury-Induced Axon Self-Destruction. Cell Reports, 2013, 3, 1422-1429.	2.9	140
64	Aberrant Schwann Cell Lipid Metabolism Linked to Mitochondrial Deficits Leads to Axon Degeneration and Neuropathy. Neuron, 2013, 77, 886-898.	3.8	207
65	Differential RET Signaling Pathways Drive Development of the Enteric Lymphoid and Nervous Systems. Science Signaling, 2012, 5, ra55.	1.6	59
66	The AMPK Î²2 Subunit Is Required for Energy Homeostasis during Metabolic Stress. Molecular and Cellular Biology, 2012, 32, 2837-2848.	1.1	61
67	A Model of Toxic Neuropathy in<i>Drosophila</i>Reveals a Role for MORN4 in Promoting Axonal Degeneration. Journal of Neuroscience, 2012, 32, 5054-5061.	1.7	66
68	SCG10 is a JNK target in the axonal degeneration pathway. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3696-705.	3.3	152
69	Mitofusin2 Mutations Disrupt Axonal Mitochondrial Positioning and Promote Axon Degeneration. Journal of Neuroscience, 2012, 32, 4145-4155.	1.7	164
70	Assembly and Maintenance of Nodes of Ranvier Rely on Distinct Sources of Proteins and Targeting Mechanisms. Neuron, 2012, 73, 92-107.	3.8	89
71	Dual Leucine Zipper Kinase Is Required for Retrograde Injury Signaling and Axonal Regeneration. Neuron, 2012, 74, 1015-1022.	3.8	277
72	MicroRNAs Modulate Schwann Cell Response to Nerve Injury by Reinforcing Transcriptional Silencing of Dedifferentiation-Related Genes. Journal of Neuroscience, 2011, 31, 17358-17369.	1.7	126

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73	Schwann Cell Mitochondrial Metabolism Supports Long-Term Axonal Survival and Peripheral Nerve Function. Journal of Neuroscience, 2011, 31, 10128-10140.	1.7	153
74	Image-based Screening Identifies Novel Roles for IÎºB Kinase and Glycogen Synthase Kinase 3 in Axonal Degeneration. Journal of Biological Chemistry, 2011, 286, 28011-28018.	1.6	61
75	Sir-two-homolog 2 (Sirt2) modulates peripheral myelination through polarity protein Par-3/atypical protein kinase C (aPKC) signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E952-61.	3.3	142
76	Nicotinamide mononucleotide adenylyl transferase 1 protects against acute neurodegeneration in developing CNS by inhibiting excitotoxic-necrotic cell death. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19054-19059.	3.3	52
77	Differential Regional and Subtype-Specific Vulnerability of Enteric Neurons to Mitochondrial Dysfunction. PLoS ONE, 2011, 6, e27727.	1.1	25
78	Mechanisms of nucleotide trafficking during siRNA delivery to endothelial cells using perfluorocarbon nanoemulsions. Biomaterials, 2010, 31, 3079-3086.	5.7	50
79	Amyloid Precursor Protein Cleavage-Dependent and -Independent Axonal Degeneration Programs Share a Common Nicotinamide Mononucleotide Adenylyltransferase 1-Sensitive Pathway. Journal of Neuroscience, 2010, 30, 13729-13738.	1.7	92
80	RET Signaling Is Required for Survival and Normal Function of Nonpeptidergic Nociceptors. Journal of Neuroscience, 2010, 30, 3983-3994.	1.7	80
81	Mitofusin 2 Is Necessary for Transport of Axonal Mitochondria and Interacts with the Miro/Milton Complex. Journal of Neuroscience, 2010, 30, 4232-4240.	1.7	533
82	Axonal Degeneration Is Blocked by Nicotinamide Mononucleotide Adenylyltransferase (Nmnat) Protein Transduction into Transected Axons. Journal of Biological Chemistry, 2010, 285, 41211-41215.	1.6	60
83	Persephin signaling through GFRÎ±1: The potential for the treatment of Parkinson's disease. Molecular and Cellular Neurosciences, 2010, 44, 223-232.	1.0	30
84	Nicotinamide adenine dinucleotide (NAD)â€“regulated DNA methylation alters CCCTC-binding factor (CTCF)/cohesin binding and transcription at the BDNF locus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21836-21841.	3.3	58
85	Organotypic specificity of key RET adaptor-docking sites in the pathogenesis of neurocristopathies and renal malformations in mice. Journal of Clinical Investigation, 2010, 120, 778-790.	3.9	50
86	Nicotinamide Mononucleotide Adenylyl Transferase-Mediated Axonal Protection Requires Enzymatic Activity But Not Increased Levels of Neuronal Nicotinamide Adenine Dinucleotide. Journal of Neuroscience, 2009, 29, 5525-5535.	1.7	224
87	Congenital Hypomyelinating Neuropathy with Lethal Conduction Failure in Mice Carrying the Egr2 I268N Mutation. Journal of Neuroscience, 2009, 29, 2312-2321.	1.7	40
88	The NIMA-family kinase Nek3 regulates microtubule acetylation in neurons. Journal of Cell Science, 2009, 122, 2274-2282.	1.2	63
89	Transgenic Mice Expressing the Nmnat1 Protein Manifest Robust Delay in Axonal Degeneration<i>In Vivo</i>. Journal of Neuroscience, 2009, 29, 6526-6534.	1.7	146
90	Regionalized Loss of Parvalbumin Interneurons in the Cerebral Cortex of Mice with Deficits in GFRÎ±1 Signaling. Journal of Neuroscience, 2009, 29, 10695-10705.	1.7	57

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91	A dual leucine kinaseâ€“dependent axon self-destruction program promotes Wallerian degeneration. Nature Neuroscience, 2009, 12, 387-389.	7.1	269
92	The purine nucleosides adenosine and guanosine delay axonal degeneration <i>in vitro</i>. Journal of Neurochemistry, 2009, 109, 595-602.	2.1	5
93	AMP-Activated Protein Kinase Phosphorylates Retinoblastoma Protein to Control Mammalian Brain Development. Developmental Cell, 2009, 16, 256-270.	3.1	130
94	Molecular Identification of Rapidly Adapting Mechanoreceptors and Their Developmental Dependence on Ret Signaling. Neuron, 2009, 64, 841-856.	3.8	200
95	Dosage Effects of Cohesin Regulatory Factor PDS5 on Mammalian Development: Implications for Cohesinopathies. PLoS ONE, 2009, 4, e5232.	1.1	74
96	The Transcriptional Cofactor Nab2 Is Induced by TGF-Î² and Suppresses Fibroblast Activation: Physiological Roles and Impaired Expression in Scleroderma. PLoS ONE, 2009, 4, e7620.	1.1	23
97	NS21: Re-defined and modified supplement B27 for neuronal cultures. Journal of Neuroscience Methods, 2008, 171, 239-247.	1.3	258
98	Nmnat Delays Axonal Degeneration Caused by Mitochondrial and Oxidative Stress. Journal of Neuroscience, 2008, 28, 4861-4871.	1.7	143
99	Analysis of Peripheral Nerve Expression Profiles Identifies a Novel Myelin Glycoprotein, MP11. Journal of Neuroscience, 2008, 28, 7563-7573.	1.7	22
100	Neurturin-Mediated Ret Activation Is Required for Retinal Function. Journal of Neuroscience, 2008, 28, 4123-4135.	1.7	28
101	Mice Lacking the Immediate Early Gene Egr3 Respond to the Anti-Aggressive Effects of Clozapine Yet are Relatively Resistant to its Sedating Effects. Neuropsychopharmacology, 2008, 33, 1266-1275.	2.8	56
102	Axonal protection by Nmnat expression. FASEB Journal, 2008, 22, 408.3.	0.2	0
103	Conditional ablation of GFRÎ±1 in postmigratory enteric neurons triggers unconventional neuronal death in the colon and causes a Hirschsprung's disease phenotype. Development (Cambridge), 2007, 134, 2171-2181.	1.2	112
104	Contribution of the orphan nuclear receptor Nur77 to the apoptotic action of IGFBP-3. Carcinogenesis, 2007, 28, 1653-1658.	1.3	41
105	Familial Parkinsonism and Ophthalmoplegia From a Mutation in the Mitochondrial DNA Helicase Twinkle. Archives of Neurology, 2007, 64, 998.	4.9	91
106	Mice lacking sister chromatid cohesion protein PDS5B exhibit developmental abnormalities reminiscent of Cornelia de Lange syndrome. Development (Cambridge), 2007, 134, 3191-3201.	1.2	94
107	Resveratrol stimulates AMP kinase activity in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7217-7222.	3.3	675
108	Misexpression of Pou3f1 Results in Peripheral Nerve Hypomyelination and Axonal Loss. Journal of Neuroscience, 2007, 27, 11552-11559.	1.7	58

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109	Nampt/PBEF/Visfatin Regulates Insulin Secretion in Î² Cells as a Systemic NAD Biosynthetic Enzyme. Cell Metabolism, 2007, 6, 363-375.	7.2	785
110	Altered Axonal Mitochondrial Transport in the Pathogenesis of Charcot-Marie-Tooth Disease from Mitofusin 2 Mutations. Journal of Neuroscience, 2007, 27, 422-430.	1.7	397
111	Abrogation of nuclear receptors Nr4a3 andNr4a1 leads to development of acute myeloid leukemia. Nature Medicine, 2007, 13, 730-735.	15.2	275
112	NGF augments the autophosphorylation of Ret via inhibition of ubiquitin-dependent degradation. Journal of Neurochemistry, 2007, 100, 1169-1176.	2.1	14
113	Deciphering adaptor specificity in GFL-dependent RET-mediated proliferation and neurite outgrowth. Journal of Neurochemistry, 2007, 102, 1184-1194.	2.1	9
114	The claw paw mutation reveals a role for Lgi4 in peripheral nerve development. Nature Neuroscience, 2006, 9, 76-84.	7.1	88
115	Structure of Artemin Complexed with Its Receptor GFRÎ±3: Convergent Recognition of Glial Cell Line-Derived Neurotrophic Factors. Structure, 2006, 14, 1083-1092.	1.6	65
116	An Egr-1 master switch for arteriogenesis: Studies in Egr-1 homozygous negative and wild-type animals. Journal of Thoracic and Cardiovascular Surgery, 2006, 131, 138-145.	0.4	23
117	Direct, Androgen Receptor-Mediated Regulation of the FKBP5 Gene via a Distal Enhancer Element. Endocrinology, 2006, 147, 590-598.	1.4	151
118	Critical and distinct roles for key RET tyrosine docking sites in renal development. Genes and Development, 2006, 20, 321-333.	2.7	137
119	RET Is Dispensable for Maintenance of Midbrain Dopaminergic Neurons in Adult Mice. Journal of Neuroscience, 2006, 26, 11230-11238.	1.7	88
120	Stimulation of Nicotinamide Adenine Dinucleotide Biosynthetic Pathways Delays Axonal Degeneration after Axotomy. Journal of Neuroscience, 2006, 26, 8484-8491.	1.7	248
121	Glial Cell-Line Derived Neurotrophic Factor-Mediated RET Signaling Regulates Spermatogonial Stem Cell Fate1. Biology of Reproduction, 2006, 74, 314-321.	1.2	347
122	Glial Cell Line-Derived Neurotrophic Factor-Dependent Recruitment of Ret into Lipid Rafts Enhances Signaling by Partitioning Ret from Proteasome-Dependent Degradation. Journal of Neuroscience, 2006, 26, 2777-2787.	1.7	85
123	A systematic model to predict transcriptional regulatory mechanisms based on overrepresentation of transcription factor binding profiles. Genome Research, 2006, 16, 405-413.	2.4	65
124	Nab proteins are essential for peripheral nervous system myelination. Nature Neuroscience, 2005, 8, 932-940.	7.1	118
125	Analysis of congenital hypomyelinating Egr2Lo/Lo nerves identifies Sox2 as an inhibitor of Schwann cell differentiation and myelination. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2596-2601.	3.3	264
126	Expression and function of GDNF family ligands and receptors in the carotid body. Experimental Neurology, 2005, 191, S68-S79.	2.0	24

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127	A Human Yeast Artificial Chromosome Containing the Multiple Endocrine Neoplasia Type 2B Ret Mutation Does Not Induce Medullary Thyroid Carcinoma but Does Support the Growth of Kidneys and Partially Rescues Enteric Nervous System Development in Ret-Deficient Mice. American Journal of Pathology, 2005, 166, 265-274.	1.9	8
128	Selective contribution of Egr1 (zif/268) to persistent inflammatory pain. Journal of Pain, 2005, 6, 12-20.	0.7	52
129	A Transcription Factor for Cold Sensation!. Molecular Pain, 2005, 1, 1744-8069-1-11.	1.0	3
130	Increased Nuclear NAD Biosynthesis and SIRT1 Activation Prevent Axonal Degeneration. Science, 2004, 305, 1010-1013.	6.0	982
131	Early Growth Response Gene 1â€"mediated Apoptosis Is Essential for Transforming Growth Factor Î²1â€"induced Pulmonary Fibrosis. Journal of Experimental Medicine, 2004, 200, 377-389.	4.2	339
132	Dok-6, a Novel p62 Dok Family Member, Promotes Ret-mediated Neurite Outgrowth. Journal of Biological Chemistry, 2004, 279, 42072-42081.	1.6	92
133	Mice expressing a dominant-negative Ret mutation phenocopy human Hirschsprung disease and delineate a direct role of Ret in spermatogenesis. Development (Cambridge), 2004, 131, 5503-5513.	1.2	112
134	Expression Profiles Provide Insights into Early Malignant Potential and Skeletal Abnormalities in Multiple Endocrine Neoplasia Type 2B Syndrome Tumors. Cancer Research, 2004, 64, 3907-3913.	0.4	66
135	Tyrosine 981, a Novel Ret Autophosphorylation Site, Binds c-Src to Mediate Neuronal Survival. Journal of Biological Chemistry, 2004, 279, 18262-18269.	1.6	81
136	Homozygous deletion of early growth response 1 gene and critical limb ischemia after vascular ligation in mice: Evidence for a central role in vascular homeostasis. Journal of Thoracic and Cardiovascular Surgery, 2004, 128, 595-601.	0.4	17
137	Neural cells in the esophagus respond to glial cell line-derived neurotrophic factor and neurturin, and are RET-dependent. Developmental Biology, 2004, 272, 118-118.	0.9	0
138	Neural cells in the esophagus respond to glial cell line-derived neurotrophic factor and neurturin, and are RET-dependent. Developmental Biology, 2004, 272, 118-133.	0.9	52
139	GFRÎ±1 Expression in Cells Lacking RET Is Dispensable for Organogenesis and Nerve Regeneration. Neuron, 2004, 44, 623-636.	3.8	67
140	Haploinsufficiency at the Nkx3.1 locus. Cancer Cell, 2003, 3, 273-283.	7.7	133
141	Drosophila NAB (dNAB) is an orphan transcriptional co-repressor required for correct CNS and eye development. Developmental Dynamics, 2003, 226, 67-81.	0.8	17
142	Neurturin and persephin promote the survival of embryonic basal forebrain cholinergic neurons in vitro. Experimental Neurology, 2003, 184, 447-455.	2.0	21
143	A pilot study of high-throughput, sequence-based mutational profiling of primary human acute myeloid leukemia cell genomes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14275-14280.	3.3	55
144	ZNRF Proteins Constitute a Family of Presynaptic E3 Ubiquitin Ligases. Journal of Neuroscience, 2003, 23, 9385-9394.	1.7	60

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145	Neurturin-Deficient Mice Develop Dry Eye and Keratoconjunctivitis Sicca. , 2003, 44, 4223.		105
146	FOXO Proteins Regulate Tumor Necrosis Factor-related Apoptosis Inducing Ligand Expression. Journal of Biological Chemistry, 2002, 277, 47928-47937.	1.6	329
147	Thymocyte Development in Early Growth Response Gene 1-Deficient Mice. Journal of Immunology, 2002, 169, 1713-1720.	0.4	89
148	Deciphering peripheral nerve myelination by using Schwann cell expression profiling. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8998-9003.	3.3	122
149	The Long and Short Isoforms of Ret Function as Independent Signaling Complexes. Journal of Biological Chemistry, 2002, 277, 34618-34625.	1.6	93
150	Conditional Loss of Nkx3.1 in Adult Mice Induces Prostatic Intraepithelial Neoplasia. Molecular and Cellular Biology, 2002, 22, 1495-1503.	1.1	220
151	NGF Utilizes c-Ret Via a Novel GFL-Independent, Inter-RTK Signaling Mechanism to Maintain the Trophic Status of Mature Sympathetic Neurons. Neuron, 2002, 33, 261-273.	3.8	103
152	Artemin Is a Vascular-Derived Neurotropic Factor for Developing Sympathetic Neurons. Neuron, 2002, 35, 267-282.	3.8	294
153	Lipid rafts in neuronal signaling and function. Trends in Neurosciences, 2002, 25, 412-417.	4.2	354
154	Glial Cell Line-Derived Neurotrophic Factor Promotes the Survival of Early Postnatal Spinal Motor Neurons in the Lateral and Medial Motor Columns in Slice Culture. Journal of Neuroscience, 2002, 22, 3953-3962.	1.7	54
155	In Vitro and In Vivo Characterization of a Dual-Function Green Fluorescent Proteinâ€“HSV1-Thymidine Kinase Reporter Gene Driven by the Human Elongation Factor 1Î± Promoter. Molecular Imaging, 2002, 1, 153535002002011.	0.7	2
156	Induction of a Nerve Growth Factor-Sensitive Kinase that Phosphorylates the DNA-Binding Domain of the Orphan Nuclear Receptor NGFI-B. Journal of Neurochemistry, 2002, 65, 1780-1788.	2.1	16
157	In Vitro and In Vivo Characterization of a Dual-Function Green Fluorescent Protein-HSV1-Thymidine Kinase Reporter Gene Driven by the Human Elongation Factor 1Î± Promoter. Molecular Imaging, 2002, 1, 65-73.	0.7	21
158	The Transcriptional Corepressor NAB2 Blocks Egr-1-Mediated Growth Factor Activation and Angiogenesis. Biochemical and Biophysical Research Communications, 2001, 283, 480-486.	1.0	51
159	The Transcription Factor Egr3 Modulates Sensory Axonâ€“Myotube Interactions during Muscle Spindle Morphogenesis. Developmental Biology, 2001, 232, 388-399.	0.9	76
160	Frequent and early loss of the EGR1 corepressor NAB2 in human prostate carcinoma. Human Pathology, 2001, 32, 935-939.	1.1	60
161	EGR2 Mutations in Inherited Neuropathies Dominant-Negatively Inhibit Myelin Gene Expression. Neuron, 2001, 30, 355-368.	3.8	242
162	Quantitative Amplification of Genomic DNA from Histological Tissue Sections after Staining with Nuclear Dyes and Laser Capture Microdissection. Journal of Molecular Diagnostics, 2001, 3, 22-25.	1.2	64

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163	Impaired prostate tumorigenesis in Egr1-deficient mice. Nature Medicine, 2001, 7, 101-107.	15.2	153
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