Thomas Curran

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239 papers	50,761 citations	107 h-index	225 g-index
250 ext. papers	52,918 ext. citations	14.2 avg, IF	7.18 L-index

#	Paper	IF	Citations
239	Stimulus-transcription coupling in the nervous system: involvement of the inducible proto-oncogenes fos and jun. *Annual Review of Neuroscience*, **1991**, 14, 421-51	17	2340
238	Prediction of central nervous system embryonal tumour outcome based on gene expression. *Nature*, **2002**, 415, 436-42	50.4	1857
237	Expression of c-fos protein in brain: metabolic mapping at the cellular level. *Science*, **1988**, 240, 1328-31	33.3	1753
236	Mapping patterns of c-fos expression in the central nervous system after seizure. *Science*, **1987**, 237, 192-7	33.3	1586
235	Fos and Jun: the AP-1 connection. *Cell*, **1988**, 55, 395-7	56.2	1515
234	Redox regulation of fos and jun DNA-binding activity in vitro. *Science*, **1990**, 249, 1157-61	33.3	1459
233	A protein related to extracellular matrix proteins deleted in the mouse mutant reeler. *Nature*, **1995**, 374, 719-23	50.4	1444
232	Induction of c-fos gene and protein by growth factors precedes activation of c-myc. *Nature*, **1984**, 312, 716-20	50.4	1302
231	A zinc finger-encoding gene coregulated with c-fos during growth and differentiation, and after cellular depolarization. *Cell*, **1988**, 53, 37-43	56.2	1165
230	Cross-family dimerization of transcription factors Fos/Jun and ATF/CREB alters DNA binding specificity. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 3720-4	11.5	1110
229	Role of ion flux in the control of c-fos expression. *Nature*, **1986**, 322, 552-5	50.4	931
228	Stimulus-transcription coupling in neurons: role of cellular immediate-early genes. *Trends in Neurosciences*, **1989**, 12, 459-62	13.3	793
227	Continuous c-fos expression precedes programmed cell death in vivo. *Nature*, **1993**, 363, 166-9	50.4	719
226	The T-cell transcription factor NFATp is a substrate for calcineurin and interacts with Fos and Jun. *Nature*, **1993**, 365, 352-5	50.4	688
225	Radial glia cells are candidate stem cells of ependymoma. *Cancer Cell*, **2005**, 8, 323-35	24.3	670
224	Reelin is a ligand for lipoprotein receptors. *Neuron*, **1999**, 24, 471-9	13.9	668
223	Redox activation of Fos-Jun DNA binding activity is mediated by a DNA repair enzyme.. *EMBO Journal*, **1992**, 11, 3323-3335	13	656

222	Fos-associated protein p39 is the product of the jun proto-oncogene. *Science*, **1988**, 240, 1010-6	33.3	634
221	Common DNA binding site for Fos protein complexes and transcription factor AP-1. *Cell*, **1988**, 52, 471-80	56.2	598
220	The genetic landscape of the childhood cancer medulloblastoma. *Science*, **2011**, 331, 435-9	33.3	576
219	Parallel association of Fos and Jun leucine zippers juxtaposes DNA binding domains. *Science*, **1989**, 243, 1695-9	33.3	572
218	Scrambler and yotari disrupt the disabled gene and produce a reeler-like phenotype in mice. *Nature* , **1997**, 389, 730-3	50.4	563
217	c-fos protein can induce cellular transformation: a novel mechanism of activation of a cellular oncogene. *Cell*, **1984**, 36, 51-60	56.2	560
216	Role of the reelin signaling pathway in central nervous system development. *Annual Review of Neuroscience*, **2001**, 24, 1005-39	17	559
215	FBJ murine osteosarcoma virus: identification and molecular cloning of biologically active proviral DNA. *Journal of Virology*, **1982**, 44, 674-82	6.6	555
214	Genomics identifies medulloblastoma subgroups that are enriched for specific genetic alterations. *Journal of Clinical Oncology*, **2006**, 24, 1924-31	2.2	543
213	Analysis of FBJ-MuSV provirus and c-fos (mouse) gene reveals that viral and cellular fos gene products have different carboxy termini. *Cell*, **1983**, 32, 1241-55	56.2	536
212	Binding of the Wilms' tumor locus zinc finger protein to the EGR-1 consensus sequence. *Science*, **1990**, 250, 1259-62	33.3	528
211	Regulation of proenkephalin by Fos and Jun. *Science*, **1989**, 246, 1622-5	33.3	523
210	fra-1: a serum-inducible, cellular immediate-early gene that encodes a fos-related antigen. *Molecular and Cellular Biology*, **1988**, 8, 2063-9	4.8	514
209	Viral and cellular fos proteins: a comparative analysis. *Cell*, **1984**, 36, 259-68	56.2	506
208	The Fos complex and Fos-related antigens recognize sequence elements that contain AP-1 binding sites. *Science*, **1988**, 239, 1150-3	33.3	499
207	Identification and characterization of Ref-1, a nuclear protein that facilitates AP-1 DNA-binding activity.. *EMBO Journal*, **1992**, 11, 653-665	13	494
206	Superinduction of c-fos by nerve growth factor in the presence of peripherally active benzodiazepines. *Science*, **1985**, 229, 1265-8	33.3	476
205	Regional and cellular patterns of reelin mRNA expression in the forebrain of the developing and adult mouse. *Journal of Neuroscience*, **1998**, 18, 7779-99	6.6	466

204	Reelin is a secreted glycoprotein recognized by the CR-50 monoclonal antibody. *Journal of Neuroscience*, **1997**, 17, 23-31	6.6	445
203	Suppression of the Shh pathway using a small molecule inhibitor eliminates medulloblastoma in Ptc1(+/-)p53(-/-) mice. *Cancer Cell*, **2004**, 6, 229-40	24.3	444
202	Fos and Jun bind cooperatively to the AP-1 site: reconstitution in vitro. *Genes and Development*, **1988**, 2, 1687-99	12.6	437
201	The redox/DNA repair protein, Ref-1, is essential for early embryonic development in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 8919-23	11.5	424
200	Targeted disruption of NMDA receptor 1 gene abolishes NMDA response and results in neonatal death. *Neuron*, **1994**, 13, 325-38	13.9	418
199	Complete nucleotide sequence of a human c-onc gene: deduced amino acid sequence of the human c-fos protein. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 3183-7	11.5	413
198	Identification of redox/repair protein Ref-1 as a potent activator of p53. *Genes and Development*, **1997**, 11, 558-70	12.6	373
197	Isolation of the cyclosporin-sensitive T cell transcription factor NFATp. *Science*, **1993**, 262, 750-4	33.3	370
196	Dynamic alterations occur in the levels and composition of transcription factor AP-1 complexes after seizure. *Neuron*, **1989**, 3, 359-65	13.9	340
195	The Hedgehog's tale: developing strategies for targeting cancer. *Nature Reviews Cancer*, **2011**, 11, 493-501	31.3	321
194	An enhanced immune response in mice lacking the transcription factor NFAT1. *Science*, **1996**, 272, 892-5	33.3	319
193	The redox and DNA-repair activities of Ref-1 are encoded by nonoverlapping domains. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 23-7	11.5	318
192	Thyroid hormone receptor beta is essential for development of auditory function. *Nature Genetics*, **1996**, 13, 354-7	36.3	315
191	Glutamate receptor agonists increase the expression of Fos, Fra, and AP-1 DNA binding activity in the mammalian brain. *Journal of Neuroscience Research*, **1989**, 24, 72-80	4.4	315
190	Fos-Jun heterodimers and Jun homodimers bend DNA in opposite orientations: implications for transcription factor cooperativity. *Cell*, **1991**, 66, 317-26	56.2	313
189	Fos: an immediate-early transcription factor in neurons. *Journal of Neurobiology*, **1995**, 26, 403-12		299
188	Induction of c-fos during myelomonocytic differentiation and macrophage proliferation. *Nature*, **1985**, 314, 546-8	50.4	297
187	Recessive resistance to thyroid hormone in mice lacking thyroid hormone receptor beta: evidence for tissue-specific modulation of receptor function.. *EMBO Journal*, **1996**, 15, 3006-3015	13	292

186	Small molecule inhibition of GDC-0449 refractory smoothened mutants and downstream mechanisms of drug resistance. *Cancer Research*, **2011**, 71, 435-44	10.1	285
185	Regulation of c-fos expression in transgenic mice requires multiple interdependent transcription control elements. *Neuron*, **1995**, 14, 241-52	13.9	281
184	Vismodegib Exerts Targeted Efficacy Against Recurrent Sonic Hedgehog-Subgroup Medulloblastoma: Results From Phase II Pediatric Brain Tumor Consortium Studies PBTC-025B and PBTC-032. *Journal of Clinical Oncology*, **2015**, 33, 2646-54	2.2	270
183	The product of a fos-related gene, fra-1, binds cooperatively to the AP-1 site with Jun: transcription factor AP-1 is comprised of multiple protein complexes. *Genes and Development*, **1989**, 3, 173-84	12.6	260
182	Structure of the FBJ murine osteosarcoma virus genome: molecular cloning of its associated helper virus and the cellular homolog of the v-fos gene from mouse and human cells. *Molecular and Cellular Biology*, **1983**, 3, 914-21	4.8	259
181	Viral and cellular fos proteins are complexed with a 39,000-dalton cellular protein. *Molecular and Cellular Biology*, **1985**, 5, 167-72	4.8	246
180	Expression and purification of the leucine zipper and DNA-binding domains of Fos and Jun: both Fos and Jun contact DNA directly. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 1032-6	11.5	232
179	Role of reelin in the control of brain development. *Brain Research Reviews*, **1998**, 26, 285-94		222
178	fos-lacZ transgenic mice: mapping sites of gene induction in the central nervous system. *Neuron*, **1992**, 8, 13-23	13.9	222
177	Role of DNA 5-methylcytosine transferase in cell transformation by fos. *Science*, **1999**, 283, 387-90	33.3	220
176	Memories of fos. *BioEssays*, **1987**, 7, 255-8	4.1	219
175	Activation of AP-1 and of a nuclear redox factor, Ref-1, in the response of HT29 colon cancer cells to hypoxia. *Molecular and Cellular Biology*, **1994**, 14, 5997-6003	4.8	212
174	Transcriptional activation and repression by Fos are independent functions: the C terminus represses immediate-early gene expression via CArG elements. *Molecular and Cellular Biology*, **1990** , 10, 4243-55	4.8	203
173	Removal of a 67-base-pair sequence in the noncoding region of protooncogene fos converts it to a transforming gene. *Proceedings of the National Academy of Sciences of the United States of America*, **1985**, 82, 4987-91	11.5	197
172	Stimulation and inhibition of growth by EGF in different A431 cell clones is accompanied by the rapid induction of c-fos and c-myc proto-oncogenes.. *EMBO Journal*, **1985**, 4, 1193-1197	13	197
171	Proto-oncogene transcription factors and epilepsy. *Trends in Pharmacological Sciences*, **1991**, 12, 343-9	13.2	196
170	The Fos protein complex is associated with DNA in isolated nuclei and binds to DNA cellulose. *Science*, **1986**, 234, 1417-9	33.3	196
169	Altered protein conformation on DNA binding by Fos and Jun. *Nature*, **1990**, 347, 572-5	50.4	190

168	Fos and Jun repress transcription activation by NF-IL6 through association at the basic zipper region. *Molecular and Cellular Biology*, **1994**, 14, 268-76	4.8	187
167	DNA bending by Fos and Jun: the flexible hinge model. *Science*, **1991**, 254, 1210-4	33.3	187
166	Rescue of ataxia and preplate splitting by ectopic expression of Reelin in reeler mice. *Neuron*, **2002**, 33, 573-86	13.9	183
165	Transcriptional regulation by Fos and Jun in vitro: interaction among multiple activator and regulatory domains. *Molecular and Cellular Biology*, **1991**, 11, 3624-32	4.8	182
164	BGEM: an in situ hybridization database of gene expression in the embryonic and adult mouse nervous system. *PLoS Biology*, **2006**, 4, e86	9.7	181
163	Loss of suppressor-of-fused function promotes tumorigenesis. *Oncogene*, **2007**, 26, 6442-7	9.2	179
162	Transient inhibition of the Hedgehog pathway in young mice causes permanent defects in bone structure. *Cancer Cell*, **2008**, 13, 249-60	24.3	178
161	Coordinate occupancy of AP-1 sites in the vitamin D-responsive and CCAAT box elements by Fos-Jun in the osteocalcin gene: model for phenotype suppression of transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 9990-4	11.5	173
160	Immediate-early genes: ten years on. *Trends in Neurosciences*, **1995**, 18, 66-67	13.3	164
159	Reelin regulates the development and synaptogenesis of the layer-specific entorhino-hippocampal connections. *Journal of Neuroscience*, **1999**, 19, 1345-58	6.6	163
158	Disabled-1 binds to the cytoplasmic domain of amyloid precursor-like protein 1. *Journal of Neuroscience*, **1999**, 19, 7507-15	6.6	160
157	Fos is a preferential target of glucocorticoid receptor inhibition of AP-1 activity in vitro. *Molecular and Cellular Biology*, **1993**, 13, 3782-91	4.8	158
156	Calcium as a modulator of the immediate-early gene cascade in neurons. *Cell Calcium*, **1988**, 9, 303-11	4	154
155	Selective DNA bending by a variety of bZIP proteins. *Molecular and Cellular Biology*, **1993**, 13, 5479-89	4.8	149
154	Phase I study of vismodegib in children with recurrent or refractory medulloblastoma: a pediatric brain tumor consortium study. *Clinical Cancer Research*, **2013**, 19, 6305-12	12.9	145
153	Induction of c-fos mRNA expression by afterdischarge in the hippocampus of naive and kindled rats. *Journal of Neurochemistry*, **1990**, 55, 1050-5	6	142
152	Microinjection of transforming ras protein induces c-fos expression. *Molecular and Cellular Biology*, **1987**, 7, 523-7	4.8	141
151	Candidate product of the FBJ murine osteosarcoma virus oncogene: characterization of a 55,000-dalton phosphoprotein. *Journal of Virology*, **1982**, 42, 114-22	6.6	141

150	Kainic acid-induced neuronal death is associated with DNA damage and a unique immediate-early gene response in c-fos-lacZ transgenic rats. *Journal of Neuroscience*, **1995**, 15, 4238-49	6.6	139
149	Thyroid hormone regulates reelin and dab1 expression during brain development. *Journal of Neuroscience*, **1999**, 19, 6979-93	6.6	137
148	Cerebellar disorganization characteristic of reeler in scrambler mutant mice despite presence of reelin. *Journal of Neuroscience*, **1997**, 17, 8767-77	6.6	134
147	A molecular fingerprint for medulloblastoma. *Cancer Research*, **2003**, 63, 5428-37	10.1	130
146	Jun is phosphorylated by several protein kinases at the same sites that are modified in serum-stimulated fibroblasts. *Molecular and Cellular Biology*, **1992**, 12, 4694-705	4.8	128
145	Mutant mice with scrambled brains: understanding the signaling pathways that control cell positioning in the CNS. *Genes and Development*, **1999**, 13, 2758-73	12.6	128
144	Shh pathway activity is down-regulated in cultured medulloblastoma cells: implications for preclinical studies. *Cancer Research*, **2006**, 66, 4215-22	10.1	127
143	Hedgehog signaling regulates the generation of ameloblast progenitors in the continuously growing mouse incisor. *Development (Cambridge)*, **2010**, 137, 3753-61	6.6	126
142	Gli1 is important for medulloblastoma formation in Ptc1+/- mice. *Oncogene*, **2005**, 24, 4026-36	9.2	126
141	Targeting medulloblastoma: small-molecule inhibitors of the Sonic Hedgehog pathway as potential cancer therapeutics. *Cancer Research*, **2005**, 65, 4975-8	10.1	123
140	Crk and Crk-like play essential overlapping roles downstream of disabled-1 in the Reelin pathway. *Journal of Neuroscience*, **2008**, 28, 13551-62	6.6	121
139	Reeler: new tales on an old mutant mouse. *BioEssays*, **1998**, 20, 235-44	4.1	120
138	The tumor suppressors Ink4c and p53 collaborate independently with Patched to suppress medulloblastoma formation. *Genes and Development*, **2005**, 19, 2656-67	12.6	118
137	FBR murine osteosarcoma virus. II. Nucleotide sequence of the provirus reveals that the genome contains sequences acquired from two cellular genes. *Virology*, **1984**, 135, 229-43	3.6	116
136	Transcription factor interactions: basics on zippers. *Current Opinion in Structural Biology*, **1991**, 1, 71-79	8.1	115
135	The reelin pathway modulates the structure and function of retinal synaptic circuitry. *Neuron*, **2001**, 31, 929-41	13.9	110
134	Deletion of Shp2 in the brain leads to defective proliferation and differentiation in neural stem cells and early postnatal lethality. *Molecular and Cellular Biology*, **2007**, 27, 6706-17	4.8	109
133	Identification of reelin-induced sites of tyrosyl phosphorylation on disabled 1. *Journal of Biological Chemistry*, **2001**, 276, 16008-14	5.4	109

132	The human reelin gene: isolation, sequencing, and mapping on chromosome 7. *Genome Research*, **1997**, 7, 157-64	9.7	106
131	Crystal structures of the Dab homology domains of mouse disabled 1 and 2. *Journal of Biological Chemistry*, **2003**, 278, 36572-81	5.4	101
130	FBR murine osteosarcoma virus. I. Molecular analysis and characterization of a 75,000-Da gag-fos fusion product. *Virology*, **1984**, 135, 218-28	3.6	101
129	The hedgehog pathway and neurological disorders. *Annual Review of Neuroscience*, **2006**, 29, 539-63	17	98
128	Identification of a 39,000-dalton protein in cells transformed by the FBJ murine osteosarcoma virus. *Virology*, **1982**, 116, 221-35	3.6	98
127	Cell transformation by c-fos requires an extended period of expression and is independent of the cell cycle. *Molecular and Cellular Biology*, **1994**, 14, 4295-310	4.8	95
126	Cyclin-dependent kinase 5 phosphorylates disabled 1 independently of Reelin signaling. *Journal of Neuroscience*, **2002**, 22, 4869-77	6.6	93
125	Activation of the transforming potential of the human fos proto-oncogene requires message stabilization and results in increased amounts of partially modified fos protein. *Molecular and Cellular Biology*, **1988**, 8, 5521-7	4.8	93
124	Mouse embryos cloned from brain tumors. *Cancer Research*, **2003**, 63, 2733-6	10.1	92
123	Disabled-1 is expressed in type AII amacrine cells in the mouse retina. *Journal of Comparative Neurology*, **2000**, 424, 327-38	3.4	91
122	Barium modulates c-fos expression and post-translational modification. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 8521-4	11.5	91
121	Thyrotropin regulation by thyroid hormone in thyroid hormone receptor beta-deficient mice. *Endocrinology*, **1997**, 138, 3624-9	4.8	86
120	Binding of purified Reelin to ApoER2 and VLDLR mediates tyrosine phosphorylation of Disabled-1. *Molecular Brain Research*, **2003**, 112, 33-45		86
119	Patched2 modulates tumorigenesis in patched1 heterozygous mice. *Cancer Research*, **2006**, 66, 6964-71	10.1	83
118	Dok-7 regulates neuromuscular synapse formation by recruiting Crk and Crk-L. *Genes and Development*, **2010**, 24, 2451-61	12.6	82
117	Detection of the reelin breakpoint in reeler mice. *Molecular Brain Research*, **1996**, 39, 234-6		81
116	Fos and jun cooperate in transcriptional regulation via heterologous activation domains. *Molecular and Cellular Biology*, **1990**, 10, 5532-5	4.8	79
115	Crk1/2-dependent signaling is necessary for podocyte foot process spreading in mouse models of glomerular disease. *Journal of Clinical Investigation*, **2012**, 122, 674-92	15.9	76

114	Regulation of a fos-lacZ fusion gene: a paradigm for quantitative analysis of stimulus-transcription coupling. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 5665-9	11.5	75
113	Immediate-early genes: ten years on **1995**, 18, 66-66		75
112	Extended life span and tumorigenicity of nonestablished mouse connective tissue cells transformed by the fos oncogene of FBR-MuSV. *Cell*, **1985**, 41, 629-37	56.2	71
111	Expression of c-fos in NIH3T3 cells is very low but inducible throughout the cell cycle.. *EMBO Journal*, **1986**, 5, 695-700	13	70
110	Menin epigenetically represses Hedgehog signaling in MEN1 tumor syndrome. *Cancer Research*, **2013**, 73, 2650-8	10.1	68
109	Cardiovascular and craniofacial defects in Crk-null mice. *Molecular and Cellular Biology*, **2006**, 26, 6272-82	4.8	67
108	Dysfunctions in mice by NMDA receptor point mutations NR1(N598Q) and NR1(N598R). *Journal of Neuroscience*, **2000**, 20, 2558-66	6.6	66
107	Fos-Like Immunoreactivity Induced by Seizure in Mice Is Specifically Associated With Euchromatin in Neurons. *European Journal of Neuroscience*, **1989**, 1, 46-52	3.5	66
106	Identification of a novel c-Myc protein interactor, JPO2, with transforming activity in medulloblastoma cells. *Cancer Research*, **2005**, 65, 5607-19	10.1	64
105	Transcription repression in oncogenic transformation: common targets of epigenetic repression in cells transformed by Fos, Ras or Dnmt1. *Oncogene*, **2004**, 23, 3737-48	9.2	63
104	Energy transfer analysis of Fos-Jun dimerization and DNA binding. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 7360-4	11.5	62
103	Tyrosine phosphorylated Disabled 1 recruits Crk family adapter proteins. *Biochemical and Biophysical Research Communications*, **2004**, 318, 204-12	3.4	59
102	Inducible proto-oncogenes of the nervous system: their contribution to transcription factors and neuroplasticity. *Progress in Brain Research*, **1990**, 86, 287-94	2.9	56
101	Cysteine 64 of Ref-1 is not essential for redox regulation of AP-1 DNA binding. *Molecular and Cellular Biology*, **2003**, 23, 4257-66	4.8	55
100	Reelin mRNA expression during embryonic brain development in the chick. *Journal of Comparative Neurology*, **2000**, 422, 448-463	3.4	55
99	Dimerization and DNA binding alter phosphorylation of Fos and Jun. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 6766-70	11.5	55
98	Transient induction of c-fos and c-myc in an immediate consequence of growth factor stimulation. *Cancer Surveys*, **1985**, 4, 655-81		55
97	Glucocorticoid compounds modify smoothened localization and hedgehog pathway activity. *Chemistry and Biology*, **2012**, 19, 972-82		54

96	Differential binding of ligands to the apolipoprotein E receptor 2. *Biochemistry*, **2003**, 42, 9355-64	3.2	53
95	Functional NMDA receptors are transiently active and support the survival of Purkinje cells in culture. *Journal of Neuroscience*, **1996**, 16, 4651-61	6.6	51
94	Redox Regulation of Ap-1. *Advances in Experimental Medicine and Biology*, **1996**, 69-75	3.6	51
93	Developmental expression of thyroid hormone receptor beta2 protein in cone photoreceptors in the mouse. *NeuroReport*, **2009**, 20, 627-31	1.7	49
92	Design of a "minimAl" homeodomain: the N-terminal arm modulates DNA binding affinity and stabilizes homeodomain structure. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 8373-7	11.5	47
91	Isolation of an allele of reeler by insertional mutagenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 11050-4	11.5	46
90	Disabled-1 interacts with a novel developmentally regulated protocadherin. *Biochemical and Biophysical Research Communications*, **2001**, 289, 539-47	3.4	45
89	Ubiquitinylation of transcription factors c-Jun and c-Fos using reconstituted ubiquitinylating enzymes. *Journal of Biological Chemistry*, **1996**, 271, 4930-6	5.4	45
88	The transcription activation domains of Fos and Jun induce DNA bending through electrostatic interactions. *EMBO Journal*, **1997**, 16, 2907-16	13	43
87	Calcium and proto-oncogene involvement in the immediate-early response in the nervous system. *Annals of the New York Academy of Sciences*, **1989**, 568, 283-90	6.5	42
86	Cortical development: Cdk5 gets into sticky situations. *Current Biology*, **2000**, 10, R331-4	6.3	39
85	Fos-Jun dimerization promotes interaction of the basic region with TFIIE-34 and TFIIF. *Molecular and Cellular Biology*, **1996**, 16, 2110-8	4.8	36
84	The fos gene product undergoes extensive post-translational modification in eukaryotic but not in prokaryotic cells. *Gene*, **1986**, 43, 69-77	3.8	36
83	Selective activation of calcium permeability by aspartate in Purkinje cells. *Science*, **1996**, 273, 1112-4	33.3	34
82	Statins Synergize with Hedgehog Pathway Inhibitors for Treatment of Medulloblastoma. *Clinical Cancer Research*, **2018**, 24, 1375-1388	12.9	33
81	Medulloblastomas derived from Cxcr6 mutant mice respond to treatment with a smoothened inhibitor. *Cancer Research*, **2007**, 67, 3871-7	10.1	33
80	Temporal and spatial expression of a fos-lacZ transgene in the developing nervous system. *Molecular Brain Research*, **1992**, 16, 158-62		33
79	CRK proteins selectively regulate T cell migration into inflamed tissues. *Journal of Clinical Investigation*, **2015**, 125, 1019-32	15.9	33

78	A central role for Fos in human B- and T-cell NFAT (nuclear factor of activated T cells): an acidic region is required for in vitro assembly. *Molecular and Cellular Biology*, **1994**, 14, 6886-95	4.8	32
77	Interaction of Disabled-1 and the GTPase activating protein Dab2IP in mouse brain. *Molecular Brain Research*, **2003**, 115, 121-9		29
76	Inducible proto-oncogene transcription factors: third messengers in the brain?. *Cold Spring Harbor Symposia on Quantitative Biology*, **1990**, 55, 225-34	3.9	29
75	Crossed signals: oncogenic transcription factors. *Current Opinion in Genetics and Development*, **1992** , 2, 19-27	4.9	28
74	Thyrotropin Regulation by Thyroid Hormone in Thyroid Hormone Receptor Deficient Mice		28
73	Brain development: integrins and the Reelin pathway. *Current Biology*, **2001**, 11, R1032-5	6.3	27
72	N-terminal variants of thyroid hormone receptor beta: differential function and potential contribution to syndrome of resistance to thyroid hormone. *Molecular Endocrinology*, **1995**, 9, 1202-13		27
71	The adaptor protein CRK is a pro-apoptotic transducer of endoplasmic reticulum stress. *Nature Cell Biology*, **2011**, 14, 87-92	23.4	26
70	Review : The Immediate-Early Gene Response and Neuronal Death and Regeneration. *Neuroscientist*, **1995**, 1, 68-75	7.6	26
69	Differential roles for Fos and Jun in DNA-binding: redox-dependent and independent functions. *Nucleic Acids Research*, **1993**, 21, 5831-7	20.1	26
68	Generation of a mouse model of atypical teratoid/rhabdoid tumor of the central nervous system through combined deletion of Snf5 and p53. *Cancer Research*, **2015**, 75, 4629-39	10.1	25
67	Absence of thyroid hormone receptor beta-retinoid X receptor interactions in auditory function and in the pituitary-thyroid axis. *NeuroReport*, **1998**, 9, 2933-7	1.7	25
66	Glutamate, immediate-early genes, and cell death in the nervous system. *Annals of the New York Academy of Sciences*, **1993**, 679, 132-41	6.5	25
65	Beyond the second messenger: oncogenes and transcription factors. *Cold Spring Harbor Symposia on Quantitative Biology*, **1988**, 53 Pt 2, 769-77	3.9	25
64	Crk1/2 and CrkL form a hetero-oligomer and functionally complement each other during podocyte morphogenesis. *Kidney International*, **2014**, 85, 1382-1394	9.9	24
63	Astrocytes Promote Medulloblastoma Progression through Hedgehog Secretion. *Cancer Research*, **2017**, 77, 6692-6703	10.1	24
62	c-Jun stimulates origin-dependent DNA unwinding by polyomavirus large Tantigen.. *EMBO Journal*, **1996**, 15, 5636-5646	13	24
61	N-terminal variants of thyroid hormone receptor beta: differential function and potential contribution to syndrome of resistance to thyroid hormone. *Molecular Endocrinology*, **1995**, 9, 1202-1213		24

60	Components of the reelin signaling pathway are expressed in the spinal cord. *Journal of Comparative Neurology*, **2004**, 470, 210-9	3.4	23
59	Audiogenic seizure susceptibility in thyroid hormone receptor beta-deficient mice. *NeuroReport*, **2001**, 12, 2359-62	1.7	23
58	Analysis of c-Fos and c-Jun redox-dependent DNA binding activity. *Methods in Enzymology*, **1994**, 234, 163-74	1.7	23
57	Regulation of proto-oncogenes in rat parotid acinar cells in vitro after stimulation of beta-adrenergic receptors. *Experimental Cell Research*, **1988**, 179, 194-203	4.2	23
56	Essential roles of Crk and CrkL in fibroblast structure and motility. *Oncogene*, **2014**, 33, 5121-32	9.2	22
55	Deletion of the gag region from FBR murine osteosarcoma virus does not affect its enhanced transforming activity. *Journal of Virology*, **1985**, 55, 521-6	6.6	22
54	Nestin Mediates Hedgehog Pathway Tumorigenesis. *Cancer Research*, **2016**, 76, 5573-83	10.1	22
53	Fos and Jun: oncogenic transcription factors. *Tohoku Journal of Experimental Medicine*, **1992**, 168, 169-74	2.4	21
52	Apoptosis in the nervous system: new revelations. *Journal of Clinical Pathology*, **1995**, 48, 7-12	3.9	20
51	Regulation of proto-oncogene expression in adult and developing lungs. *Molecular and Cellular Biology*, **1993**, 13, 3213-20	4.8	20
50	The Ketogenic Diet Does Not Affect Growth of Hedgehog Pathway Medulloblastoma in Mice. *PLoS ONE*, **2015**, 10, e0133633	3.7	18
49	A transcriptome map of cellular transformation by the fos oncogene. *Molecular Cancer*, **2005**, 4, 19	42.1	18
48	Reproducibility of academic preclinical translational research: lessons from the development of Hedgehog pathway inhibitors to treat cancer. *Open Biology*, **2018**, 8,	7	17
47	Crk proteins transduce FGF signaling to promote lens fiber cell elongation. *ELife*, **2018**, 7,	8.9	17
46	Ectopic expression of reelin alters migration of sympathetic preganglionic neurons in the spinal cord. *Journal of Comparative Neurology*, **2009**, 515, 260-8	3.4	16
45	Gene expression profiles of mouse retinas during the second and third postnatal weeks. *Brain Research*, **2006**, 1098, 113-25	3.7	15
44	A gene expression approach to mapping the functional maturation of the hippocampus. *Molecular Brain Research*, **1998**, 63, 25-34		14
43	Fos and Jun: intermediary transcription factors. *Molecular Aspects of Cellular Regulation*, **1991**, 6, 295-308		14

42	The effects of phorbol ester and Ca ionophore on c-fos and c-myc expression and on DNA synthesis in human lymphocytes are not directly related. *Biochemical and Biophysical Research Communications*, **1987**, 148, 435-42	3.4	13
41	Developmental expression of Fos-lacZ in the brains of postnatal transgenic rats. *Developmental Brain Research*, **1996**, 93, 191-7		12
40	Levels of fos, ets2, and myb proto-oncogene RNAs correlate with segregation of chromosome 11 of normal cells and with suppression of tumorigenicity in human cell hybrids. *Molecular and Cellular Biology*, **1987**, 7, 2941-6	4.8	12
39	Fibroblast Growth Requires CT10 Regulator of Kinase (Crk) and Crk-like (CrkL). *Journal of Biological Chemistry*, **2016**, 291, 26273-26290	5.4	11
38	Transcription factors as molecular mediators in cell death. *Annals of the New York Academy of Sciences*, **1994**, 747, 172-82	6.5	11
37	Developmental mouse brain gene expression maps. *Journal of Physiology*, **2006**, 575, 343-6	3.9	11
36	A neurogenomics approach to gene expression analysis in the developing brain. *Molecular Brain Research*, **2004**, 132, 116-27		11
35	Spontaneous and evoked glutamate signalling influences Fos-lacZ expression and pyramidal cell death in hippocampal slice cultures from transgenic rats. *Molecular Brain Research*, **1995**, 34, 197-208		10
34	Fosvergnügen. The excitement of immediate-early genes. *Annals of the New York Academy of Sciences*, **1991**, 627, 115-23	6.5	10
33	PTHrP treatment fails to rescue bone defects caused by Hedgehog pathway inhibition in young mice. *Toxicologic Pathology*, **2011**, 39, 478-85	2.1	9
32	Leukotriene Synthesis Is Critical for Medulloblastoma Progression. *Clinical Cancer Research*, **2019**, 25, 6475-6486	12.9	8
31	Use of fluorescence resonance energy transfer to estimate intramolecular distances in the Msx-1 homeodomain. *Biochemistry*, **1995**, 34, 15276-81	3.2	8
30	mPPP1R16B is a novel mouse protein phosphatase 1 targeting subunit whose mRNA is located in cell bodies and dendrites of neurons in four distinct regions of the brain. *Gene Expression Patterns*, **2002**, 1, 143-9	1.5	7
29	A prospective phase II study to determine the efficacy of GDC 0449 (vismodegib) in adults with recurrent medulloblastoma (MB): A Pediatric Brain Tumor Consortium study (PBTC 25B).. *Journal of Clinical Oncology*, **2013**, 31, 2035-2035	2.2	7
28	Macrophages in SHH subgroup medulloblastoma display dynamic heterogeneity that varies with treatment modality. *Cell Reports*, **2021**, 34, 108917	10.6	7
27	Dendritic planarity of Purkinje cells is independent of Reelin signaling. *Brain Structure and Function*, **2015**, 220, 2263-73	4	6
26	Cortical development in the presenilin-1 null mutant mouse fails after splitting of the preplate and is not due to a failure of reelin-dependent signaling. *Developmental Dynamics*, **2008**, 237, 2405-14	2.9	5
25	Medulloblastoma and Retinoblastoma: Oncology Recapitulates Ontogeny. *Cell Cycle*, **2004**, 3, 915-917	4.7	5

24	Lost in translation: the future of cancer research?. *Clinical Cancer Research*, **2005**, 11, 4644-5	12.9	5
23	Mouse models and mouse supermodels. *EMBO Molecular Medicine*, **2010**, 2, 385-6; author reply 386-7	12	4
22	A call to action: Issuing a diversity and inclusion challenge to research organizations. *Clinical and Translational Science*, **2021**, 14, 2095-2098	4.9	4
21	Whole-exome identifies RXRG and TH germline variants in familial isolated prolactinoma. *Cancer Genetics*, **2016**, 209, 251-7	2.3	4
20	Crk and CrkL are required for cell transformation by v-fos and v-ras. *Molecular Carcinogenesis*, **2016**, 55, 97-104	5	4
19	Alternative splicing disabled by Nova2. *Neuron*, **2010**, 66, 811-3	13.9	3
18	Cellular Immediate-Early Genes in the Nervous System: Genes for All Reasons? **1994**, 301-315		3
17	Reeler gene discrepancies. *Nature Genetics*, **1995**, 11, 12-3	36.3	2
16	Statins repress hedgehog signaling in medulloblastoma with no bone toxicities. *Oncogene*, **2021**, 40, 2258-2272	9.2	2
15	Reeler: new tales on an old mutant mouse **1998**, 20, 235		2
14	Genomic answers for children: Dynamic analyses of >1000 pediatric rare disease genomes.. *Genetics in Medicine*, **2022**,	8.1	2
13	Neurobiology: Reelin mediates form and function. *Current Biology*, **2014**, 24, R1089-92	6.3	1
12	Reply to the Letter to the Editor by Diamandis. *Clinical Cancer Research*, **2006**, 12, 669.1-669	12.9	1
11	Single-cell transcriptomic profile reveals macrophage heterogeneity in medulloblastoma and their treatment-dependent recruitment		1
10	Requirement for Crk and CrkL during postnatal lens development. *Biochemical and Biophysical Research Communications*, **2020**, 529, 603-607	3.4	1
9	Quantitative assessment of glioblastoma phenotypes in vitro establishes cell migration as a robust readout of Crk and CrkL activity. *Journal of Biological Chemistry*, **2021**, 296, 100390	5.4	1
8	fos Oncogene **2002**, 243-248		0
7	Clinical validation of a spectroscopic liquid biopsy for earlier detection of brain cancer.. *Neuro-Oncology Advances*, **2022**, 4, vdac024	0.9	0

6	Redox pioneer: Professor Stuart A. Lipton. *Antioxidants and Redox Signaling*, **2013**, 19, 757-64	8.4
5	c-fos and Signal Transduction In Vivo. *Toxicology in Vitro*, **1998**, 12, 523-4	3.6
4	From bings to biology: taking a different path in cancer research. *Cancer Biology and Therapy*, **2003**, 2, 456-9	4.6
3	Genetic damage and escape from proliferation control. *International Journal of Cancer*, **1993**, 53, 161-177	7.5
2	Regulation of c-fos Expression by Voltage-Dependent Calcium Channels **1989**, 305-312	
1	Targeting Children Brain Tumors: Development of Hedgehog Pathway Inhibitors for Medulloblastoma. *Research and Perspectives in Alzheimerls Disease*, **2011**, 57-71	