Oswald Steward

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

251 papers	20,457 citations	72 h-index	136 g-index
257 ext. papers	22,134 ext. citations	6.2 avg, IF	6.83 L-index

#	Paper	IF	Citations
251	Harnessing rAAV-retro for gene manipulations in multiple pathways that are interrupted after spinal cord injury.. *Experimental Neurology*, **2021**, 350, 113965	5.7	2
250	AAV vectors accumulate in the pineal gland after injections into the brain or spinal cord. *Molecular Therapy - Methods and Clinical Development*, **2021**, 23, 406-417	6.4	
249	Intercellular Arc Signaling Regulates Vasodilation. *Journal of Neuroscience*, **2021**, 41, 7712-7726	6.6	2
248	Rostro-Caudal Specificity of Corticospinal Tract Projections in Mice. *Cerebral Cortex*, **2021**, 31, 2322-2344	5.1	8
247	Intravenous delivery of microRNA-133b along with Argonaute-2 enhances spinal cord recovery following cervical contusion in mice. *Spine Journal*, **2020**, 20, 1138-1151	4	4
246	Regulatory T cells promote remyelination in the murine experimental autoimmune encephalomyelitis model of multiple sclerosis following human neural stem cell transplant. *Neurobiology of Disease*, **2020**, 140, 104868	7.5	10
245	Human motor endplate remodeling after traumatic nerve injury. *Journal of Neurosurgery*, **2020**, 1-8	3.2	6
244	AAVshRNA-mediated PTEN knockdown in adult neurons attenuates activity-dependent immediate early gene induction. *Experimental Neurology*, **2020**, 326, 113098	5.7	4
243	Examination of the human motor endplate after brachial plexus injury with two-photon microscopy. *Muscle and Nerve*, **2020**, 61, 390-395	3.4	5
242	Non-invasive High Frequency Repetitive Transcranial Magnetic Stimulation (hfrTMS) Robustly Activates Molecular Pathways Implicated in Neuronal Growth and Synaptic Plasticity in Select Populations of Neurons. *Frontiers in Neuroscience*, **2020**, 14, 558	5.1	12
241	Recognizing Team Science Contributions in Academic Hiring, Promotion, and Tenure. *Journal of Neuroscience*, **2020**, 40, 6662-6663	6.6	5
240	Overnight Caloric Restriction Prior to Cardiac Arrest and Resuscitation Leads to Improved Survival and Neurological Outcome in a Rodent Model. *Frontiers in Neuroscience*, **2020**, 14, 609670	5.1	1
239	Modest enhancement of sensory axon regeneration in the sciatic nerve with conditional co-deletion of PTEN and SOCS3 in the dorsal root ganglia of adult mice. *Experimental Neurology*, **2018**, 303, 120-133	5.7	17
238	Neuronal PTEN deletion in adult cortical neurons triggers progressive growth of cell bodies, dendrites, and axons. *Experimental Neurology*, **2018**, 303, 12-28	5.7	16
237	Rodent spinal cord injury models for studies of axon regeneration. *Experimental Neurology*, **2017**, 287, 374-383	5.7	27
236	Recovery from Coma Post-Cardiac Arrest Is Dependent on the Orexin Pathway. *Journal of Neurotrauma*, **2017**, 34, 2823-2832	5.4	14
235	mRNA Trafficking to Synapses and Memory Formation ? **2017**, 153-178		

234	Delayed Degradation and Impaired Dendritic Delivery of Intron-Lacking -/ mRNA in Transgenic Mice. *Frontiers in Molecular Neuroscience*, **2017**, 10, 435	6.1	9
233	Synaptically driven phosphorylation of ribosomal protein S6 is differentially regulated at active synapses versus dendrites and cell bodies by MAPK and PI3K/mTOR signaling pathways. *Learning and Memory*, **2017**, 24, 341-357	2.8	10
232	Central Mechanisms Mediating Thrombospondin-4-induced Pain States. *Journal of Biological Chemistry*, **2016**, 291, 13335-48	5.4	32
231	Synaptic ultrastructure changes in trigeminocervical complex posttrigeminal nerve injury. *Journal of Comparative Neurology*, **2016**, 524, 309-22	3.4	6
230	Robotic Rehabilitator of the Rodent Upper Extremity: A System and Method for Assessing and Training Forelimb Force Production after Neurological Injury. *Journal of Neurotrauma*, **2016**, 33, 460-7	5.4	6
229	Long-term consequences of conditional genetic deletion of PTEN in the sensorimotor cortex of neonatal mice. *Experimental Neurology*, **2016**, 279, 27-39	5.7	19
228	A Rhumba of "R^3": Replication, Reproducibility, Rigor, Robustness: What Does a Failure to Replicate Mean?. *ENeuro*, **2016**, 3,	3.9	7
227	Selective neuronal PTEN deletion: can we take the brakes off of growth without losing control?. *Neural Regeneration Research*, **2016**, 11, 1201-3	4.5	7
226	Variable laterality of corticospinal tract axons that regenerate after spinal cord injury as a result of PTEN deletion or knock-down. *Journal of Comparative Neurology*, **2016**, 524, 2654-76	3.4	11
225	Synaptic activation of ribosomal protein S6 phosphorylation occurs locally in activated dendritic domains. *Learning and Memory*, **2016**, 23, 255-69	2.8	20
224	Conditional genetic deletion of PTEN after a spinal cord injury enhances regenerative growth of CST axons and motor function recovery in mice. *Experimental Neurology*, **2015**, 266, 147-60	5.7	72
223	Large animal and primate models of spinal cord injury for the testing of novel therapies. *Experimental Neurology*, **2015**, 269, 154-68	5.7	55
222	Leveraging biomedical informatics for assessing plasticity and repair in primate spinal cord injury. *Brain Research*, **2015**, 1619, 124-38	3.7	12
221	Nonspecific labeling limits the utility of Cre-Lox bred CST-YFP mice for studies of corticospinal tract regeneration. *Journal of Comparative Neurology*, **2015**, 523, 2665-82	3.4	7
220	Sphingosine-1-phosphate receptor antagonism enhances proliferation and migration of engrafted neural progenitor cells in a model of viral-induced demyelination. *American Journal of Pathology*, **2015**, 185, 2819-32	5.8	26
219	Repair of spinal cord injury with neuronal relays: From fetal grafts to neural stem cells. *Brain Research*, **2015**, 1619, 115-23	3.7	62
218	Selective localization of arc mRNA in dendrites involves activity- and translation-dependent mRNA degradation. *Journal of Neuroscience*, **2014**, 34, 4481-93	6.6	80
217	A re-assessment of treatment with a tyrosine kinase inhibitor (imatinib) on tissue sparing and functional recovery after spinal cord injury. *Experimental Neurology*, **2014**, 254, 1-11	5.7	12

216	Long-distance migration and colonization of transplanted neural stem cells. *Cell*, **2014**, 156, 385-7	56.2	38
215	A re-assessment of long distance growth and connectivity of neural stem cells after severe spinal cord injury. *Experimental Neurology*, **2014**, 257, 186-204	5.7	51
214	Rigor or mortis: best practices for preclinical research in neuroscience. *Neuron*, **2014**, 84, 572-81	13.9	44
213	Characterization of ectopic colonies that form in widespread areas of the nervous system with neural stem cell transplants into the site of a severe spinal cord injury. *Journal of Neuroscience*, **2014**, 34, 14013-21	6.6	40
212	AAVshRNA-mediated suppression of PTEN in adult rats in combination with salmon fibrin administration enables regenerative growth of corticospinal axons and enhances recovery of voluntary motor function after cervical spinal cord injury. *Journal of Neuroscience*, **2014**, 34, 9951-62	6.6	69
211	Rapamycin and interleukin-1 impair brain-derived neurotrophic factor-dependent neuron survival by modulating autophagy. *Journal of Biological Chemistry*, **2014**, 289, 20615-29	5.4	65
210	Calcium channel 2 proteins mediate trigeminal neuropathic pain states associated with aberrant excitatory synaptogenesis. *Journal of Biological Chemistry*, **2014**, 289, 7025-7037	5.4	41
209	Localization and local translation of Arc/Arg3.1 mRNA at synapses: some observations and paradoxes. *Frontiers in Molecular Neuroscience*, **2014**, 7, 101	6.1	59
208	Local Protein Synthesis at Synapses **2014**, 173-194		2
207	Development of a database for translational spinal cord injury research. *Journal of Neurotrauma*, **2014**, 31, 1789-99	5.4	59
206	Human neural precursor cells promote neurologic recovery in a viral model of multiple sclerosis. *Stem Cell Reports*, **2014**, 2, 825-37	8	52
205	A re-assessment of the effects of treatment with a non-steroidal anti-inflammatory (ibuprofen) on promoting axon regeneration via RhoA inhibition after spinal cord injury. *Experimental Neurology*, **2013**, 248, 321-37	5.7	30
204	Matrix metalloproteinase 3 deletion preserves denervated motor endplates after traumatic nerve injury. *Annals of Neurology*, **2013**, 73, 210-23	9.4	38
203	Thrombospondin-4 contributes to spinal cord injury-induced changes in nociception. *European Journal of Pain*, **2013**, 17, 1458-64	3.7	10
202	Synaptic loss and retention of different classic cadherins with LTP-associated synaptic structural remodeling in vivo. *Hippocampus*, **2012**, 22, 17-28	3.5	13
201	Concepts and methods for the study of axonal regeneration in the CNS. *Neuron*, **2012**, 74, 777-91	13.9	214
200	A call for transparent reporting to optimize the predictive value of preclinical research. *Nature*, **2012**, 490, 187-91	50.4	795
199	Arc mRNA docks precisely at the base of individual dendritic spines indicating the existence of a specialized microdomain for synapse-specific mRNA translation. *Journal of Comparative Neurology*, **2012**, 520, 3105-19	3.4	38

198	A rat chronic pain model of spinal cord contusion injury. *Methods in Molecular Biology*, **2012**, 851, 195-203	1.4	10
197	Age-Dependent Resistance to Excitotoxicity in Htt CAG140 Mice and the Effect of Strain Background. *Journal of Huntington's Disease*, **2012**, 1, 221-41	1.9	7
196	Biophysical stimulation induces demyelination via an integrin-dependent mechanism. *Annals of Neurology*, **2012**, 72, 112-23	9.4	11
195	A re-assessment of a combinatorial treatment involving Schwann cell transplants and elevation of cyclic AMP on recovery of motor function following thoracic spinal cord injury in rats. *Experimental Neurology*, **2012**, 233, 625-44	5.7	30
194	A re-assessment of the effects of treatment with an epidermal growth factor receptor (EGFR) inhibitor on recovery of bladder and locomotor function following thoracic spinal cord injury in rats. *Experimental Neurology*, **2012**, 233, 649-59	5.7	15
193	One day of motor training with amphetamine impairs motor recovery following spinal cord injury. *Experimental Neurology*, **2012**, 233, 693-707	5.7	6
192	A re-assessment of the effects of intracortical delivery of inosine on transmidline growth of corticospinal tract axons after unilateral lesions of the medullary pyramid. *Experimental Neurology*, **2012**, 233, 662-73	5.7	12
191	Salmon fibrin treatment of spinal cord injury promotes functional recovery and density of serotonergic innervation. *Experimental Neurology*, **2012**, 235, 345-56	5.7	40
190	Thrombospondin-4 contributes to spinal sensitization and neuropathic pain states. *Journal of Neuroscience*, **2012**, 32, 8977-87	6.6	82
189	Chronic spinal cord injury impairs primary antibody responses but spares existing humoral immunity in mice. *Journal of Immunology*, **2012**, 188, 5257-66	5.3	27
188	Activity induces Arc mRNA degradation that is dependent upon translation and NMDA receptor activation. *FASEB Journal*, **2012**, 26, 950.1	0.9	
187	Calcium channel alpha-2-delta-1 protein upregulation in dorsal spinal cord mediates spinal cord injury-induced neuropathic pain states. *Pain*, **2011**, 152, 649-655	8	96
186	A reassessment of whether cortical motor neurons die following spinal cord injury. *Journal of Comparative Neurology*, **2011**, 519, 2852-69	3.4	46
185	PTEN deletion enhances the regenerative ability of adult corticospinal neurons. *Nature Neuroscience*, **2010**, 13, 1075-81	25.5	673
184	Unexpected survival of neurons of origin of the pyramidal tract after spinal cord injury. *Journal of Neuroscience*, **2010**, 30, 11516-28	6.6	54
183	Assessment of the role of MAP kinase in mediating activity-dependent transcriptional activation of the immediate early gene Arc/Arg3.1 in the dentate gyrus in vivo. *Learning and Memory*, **2010**, 17, 117-29	2.8	29
182	Role of early surgical decompression of the intradural space after cervical spinal cord injury in an animal model. *Journal of Bone and Joint Surgery - Series A*, **2010**, 92, 1206-14	5.6	45
181	A bilateral cervical contusion injury model in mice: assessment of gripping strength as a measure of forelimb motor function. *Experimental Neurology*, **2010**, 221, 38-53	5.7	32

180	Deficits in bladder function following spinal cord injury vary depending on the level of the injury. *Experimental Neurology*, **2010**, 226, 128-35	5.7	30
179	Impaired immune responses following spinal cord injury lead to reduced ability to control viral infection. *Experimental Neurology*, **2010**, 226, 242-53	5.7	39
178	Examination of axonal injury and regeneration in micropatterned neuronal culture using pulsed laser microbeam dissection. *Lab on A Chip*, **2010**, 10, 2083-92	7.2	44
177	Advances in the management of spinal cord injury. *Journal of the American Academy of Orthopaedic Surgeons, The*, **2010**, 18, 210-22	4.5	55
176	An investigation of the cortical control of forepaw gripping after cervical hemisection injuries in rats. *Experimental Neurology*, **2009**, 217, 96-107	5.7	12
175	A straight alley version of the BBB locomotor scale. *Experimental Neurology*, **2009**, 217, 417-20	5.7	13
174	Bilateral cervical contusion spinal cord injury in rats. *Experimental Neurology*, **2009**, 220, 9-22	5.7	72
173	Forelimb locomotor assessment scale (FLAS): novel assessment of forelimb dysfunction after cervical spinal cord injury. *Experimental Neurology*, **2009**, 220, 23-33	5.7	30
172	Rapid activation of plasticity-associated gene transcription in hippocampal neurons provides a mechanism for encoding of one-trial experience. *Journal of Neuroscience*, **2009**, 29, 898-906	6.6	94
171	Genes on distal chromosome 18 determine vulnerability to excitotoxic neurodegeneration following status epilepticus, but not striatal neurodegeneration induced by quinolinic acid. *Neurobiology of Disease*, **2008**, 29, 391-9	7.5	3
170	A re-assessment of the effects of a Nogo-66 receptor antagonist on regenerative growth of axons and locomotor recovery after spinal cord injury in mice. *Experimental Neurology*, **2008**, 209, 446-68	5.7	96
169	Repulsive Wnt signaling inhibits axon regeneration after CNS injury. *Journal of Neuroscience*, **2008**, 28, 8376-82	6.6	121
168	Regenerative growth of corticospinal tract axons via the ventral column after spinal cord injury in mice. *Journal of Neuroscience*, **2008**, 28, 6836-47	6.6	52
167	Chronic nerve compression injury induces a phenotypic switch of neurons within the dorsal root ganglia. *Journal of Comparative Neurology*, **2008**, 506, 180-93	3.4	52
166	Dynamics of bidirectional transport of Arc mRNA in neuronal dendrites. *Journal of Comparative Neurology*, **2007**, 500, 433-47	3.4	114
165	A form of perforant path LTP can occur without ERK1/2 phosphorylation or immediate early gene induction. *Learning and Memory*, **2007**, 14, 433-45	2.8	22
164	Actin polymerization and ERK phosphorylation are required for Arc/Arg3.1 mRNA targeting to activated synaptic sites on dendrites. *Journal of Neuroscience*, **2007**, 27, 9054-67	6.6	96
163	Response to: Kim et al., "axon regeneration in young adult mice lacking Nogo-A/B." Neuron 38, 187-199. *Neuron*, **2007**, 54, 191-5	13.9	48

162	Recovery of forepaw gripping ability and reorganization of cortical motor control following cervical spinal cord injuries in mice. *Experimental Neurology*, **2007**, 203, 333-48	5.7	23
161	Spinal pathways involved in the control of forelimb motor function in rats. *Experimental Neurology*, **2007**, 206, 318-31	5.7	63
160	Anisomycin infused into the hippocampus fails to block "reconsolidation" but impairs extinction: the role of re-exposure duration. *Learning and Memory*, **2006**, 13, 27-34	2.8	133
159	Endogenous neurogenesis replaces oligodendrocytes and astrocytes after primate spinal cord injury. *Journal of Neuroscience*, **2006**, 26, 2157-66	6.6	131
158	Synaptic regulation of translation of dendritic mRNAs. *Journal of Neuroscience*, **2006**, 26, 7143-6	6.6	188
157	A re-assessment of the consequences of delayed transplantation of olfactory lamina propria following complete spinal cord transection in rats. *Experimental Neurology*, **2006**, 198, 483-99	5.7	88
156	Local down-regulation of myelin-associated glycoprotein permits axonal sprouting with chronic nerve compression injury. *Experimental Neurology*, **2006**, 200, 418-29	5.7	45
155	Comparison of seizure phenotype and neurodegeneration induced by systemic kainic acid in inbred, outbred, and hybrid mouse strains. *European Journal of Neuroscience*, **2006**, 24, 2191-202	3.5	107
154	Differential susceptibility to striatal neurodegeneration induced by quinolinic acid and kainate in inbred, outbred and hybrid mouse strains. *European Journal of Neuroscience*, **2006**, 24, 3134-40	3.5	37
153	Human embryonic stem cell-derived oligodendrocyte progenitor cell transplants remyelinate and restore locomotion after spinal cord injury. *Journal of Neuroscience*, **2005**, 25, 4694-705	6.6	980
152	A noninvasive ultrasonographic method to evaluate bladder function recovery in spinal cord injured rats. *Experimental Neurology*, **2005**, 194, 120-7	5.7	19
151	Quantitative assessment of forelimb motor function after cervical spinal cord injury in rats: relationship to the corticospinal tract. *Experimental Neurology*, **2005**, 194, 161-74	5.7	98
150	Septations in chronic spinal cord injury cavities contain axons. *Experimental Neurology*, **2005**, 196, 339-41	5.7	10
149	Understanding the biology of compressive neuropathies. *Clinical Orthopaedics and Related Research* , **2005**, 251-60	2.2	22
148	Memory-influencing intra-basolateral amygdala drug infusions modulate expression of Arc protein in the hippocampus. *Proceedings of the National Academy of Sciences of the United States of America* , **2005**, 102, 10718-23	11.5	191
147	Genetic deletion of the Nogo receptor does not reduce neurite inhibition in vitro or promote corticospinal tract regeneration in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1205-10	11.5	233
146	The mRNA for elongation factor 1alpha is localized in dendrites and translated in response to treatments that induce long-term depression. *Journal of Neuroscience*, **2005**, 25, 7199-209	6.6	83
145	Brain-derived neurotrophic factor mRNA and protein are targeted to discrete dendritic laminas by events that trigger epileptogenesis. *Journal of Neuroscience*, **2004**, 24, 6842-52	6.6	124

144	The dorsolateral corticospinal tract in mice: an alternative route for corticospinal input to caudal segments following dorsal column lesions. *Journal of Comparative Neurology*, **2004**, 472, 463-77	3.4	79
143	Nitrogen disruption of synaptoneurosomes: an alternative method to isolate brain mitochondria. *Journal of Neuroscience Methods*, **2004**, 137, 299-303	3	88
142	Assessment of factors regulating axon growth between the cortex and spinal cord in organotypic co-cultures: effects of age and neurotrophic factors. *Journal of Neurotrauma*, **2004**, 21, 339-56	5.4	28
141	Chronic nerve compression induces local demyelination and remyelination in a rat model of carpal tunnel syndrome. *Experimental Neurology*, **2004**, 187, 500-8	5.7	90
140	Quantitative assessment of deficits and recovery of forelimb motor function after cervical spinal cord injury in mice. *Experimental Neurology*, **2004**, 190, 184-91	5.7	52
139	Visualizing changes in circuit activity resulting from denervation and reinnervation using immediate early gene expression. *Journal of Neuroscience*, **2003**, 23, 2779-88	6.6	37
138	The successful aging of Carl Cotman: from proteins of the synapse, through sprouting, regeneration, and spinal cord injury to the mechanisms of brain aging. *Neurochemical Research*, **2003**, 28, 1617-9	4.6	
137	False resurrections: distinguishing regenerated from spared axons in the injured central nervous system. *Journal of Comparative Neurology*, **2003**, 459, 1-8	3.4	189
136	Chronic nerve compression induces concurrent apoptosis and proliferation of Schwann cells. *Journal of Comparative Neurology*, **2003**, 461, 174-86	3.4	131
135	Ascending sensory, but not other long-tract axons, regenerate into the connective tissue matrix that forms at the site of a spinal cord injury in mice. *Journal of Comparative Neurology*, **2003**, 462, 431-49	3.4	83
134	Mitochondrial uncoupling protein-2 protects the immature brain from excitotoxic neuronal death. *Annals of Neurology*, **2003**, 53, 711-7	9.4	198
133	Lack of enhanced spinal regeneration in Nogo-deficient mice. *Neuron*, **2003**, 38, 213-24	13.9	320
132	Compartmentalized synthesis and degradation of proteins in neurons. *Neuron*, **2003**, 40, 347-59	13.9	339
131	Physical size does not determine the unique histopathological response seen in the injured mouse spinal cord. *Journal of Neurotrauma*, **2003**, 20, 33-42	5.4	38
130	Genetic influences on secondary degeneration and wound healing following spinal cord injury in various strains of mice. *Journal of Comparative Neurology*, **2002**, 451, 225-35	3.4	74
129	Spatial learning and memory is preserved in rats after early development in a microgravity environment. *Neurobiology of Learning and Memory*, **2002**, 78, 199-216	3.1	24
128	Local synthesis of proteins at synaptic sites on dendrites: role in synaptic plasticity and memory consolidation?. *Neurobiology of Learning and Memory*, **2002**, 78, 508-27	3.1	138
127	Translating axon guidance cues. *Cell*, **2002**, 110, 537-40	56.2	28

126	mRNA at synapses, synaptic plasticity, and memory consolidation. *Neuron*, **2002**, 36, 338-40	13.9	32
125	Differential mRNA localization in astroglial cells in culture. *Journal of Comparative Neurology*, **2001**, 430, 56-71	3.4	19
124	A cellular mechanism for targeting newly synthesized mRNAs to synaptic sites on dendrites. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 7062-8	11.5	196
123	Synaptic plasticity in epileptogenesis: cellular mechanisms underlying long-lasting synaptic modifications that require new gene expression. *International Review of Neurobiology*, **2001**, 45, 269-92	4.4	3
122	Zn(2+) induces permeability transition pore opening and release of pro-apoptotic peptides from neuronal mitochondria. *Journal of Biological Chemistry*, **2001**, 276, 47524-9	5.4	224
121	Protein synthesis at synaptic sites on dendrites. *Annual Review of Neuroscience*, **2001**, 24, 299-325	17	591
120	Response: Arc mRNA dynamics: a Rosetta stone for deciphering cellular and systems mechanisms in history. *Trends in Neurosciences*, **2001**, 24, 622-623	13.3	2
119	Protein synthesis at the synapse: developmental changes, subcellular localization and regional distribution of polypeptides synthesized in isolated dendritic fragments. *Molecular Brain Research*, **2001**, 91, 148-53		9
118	Glycoprotein synthesis at the synapse: fractionation of polypeptides synthesized within isolated dendritic fragments by concanavalin A affinity chromatography. *Molecular Brain Research*, **2001**, 91, 137-47		11
117	Selective targeting of newly synthesized Arc mRNA to active synapses requires NMDA receptor activation. *Neuron*, **2001**, 30, 227-40	13.9	368
116	Disruption of inhibition in area CA1 of the hippocampus in a rat model of temporal lobe epilepsy. *Journal of Neurophysiology*, **2001**, 86, 2231-45	3.2	15
115	Localization of mRNAs at synaptic sites on dendrites. *Results and Problems in Cell Differentiation*, **2001**, 34, 1-26	1.4	19
114	Movement of mitochondria in the axons and dendrites of cultured hippocampal neurons. *Journal of Comparative Neurology*, **2000**, 427, 340-50	3.4	115
113	Role of microtubules and actin filaments in the movement of mitochondria in the axons and dendrites of cultured hippocampal neurons. *Journal of Comparative Neurology*, **2000**, 427, 351-61	3.4	152
112	Lamina-specific synaptic activation causes domain-specific alterations in dendritic immunostaining for MAP2 and CAM kinase II. *Journal of Neuroscience*, **1999**, 19, 7834-45	6.6	85
111	The unique histopathological responses of the injured spinal cord. Implications for neuroprotective therapy. *Annals of the New York Academy of Sciences*, **1999**, 890, 366-84	6.5	60
110	Synaptic clustering of AMPA receptors by the extracellular immediate-early gene product Narp. *Neuron*, **1999**, 23, 309-23	13.9	387
109	Genetic approaches to neurotrauma research: opportunities and potential pitfalls of murine models. *Experimental Neurology*, **1999**, 157, 19-42	5.7	130

108	Synaptic activation causes the mRNA for the IEG Arc to localize selectively near activated postsynaptic sites on dendrites. *Neuron*, **1998**, 21, 741-51	13.9	670
107	Mechanisms of motor recovery after subtotal spinal cord injury: insights from the study of mice carrying a mutation (WldS) that delays cellular responses to injury. *Experimental Neurology*, **1998**, 149, 221-9	5.7	28
106	No evidence for disruption of normal patterns of mRNA localization in dendrites or dendritic transport of recently synthesized mRNA in FMR1 knockout mice, a model for human fragile-X mental retardation syndrome. *NeuroReport*, **1998**, 9, 477-81	1.7	51
105	Differential intracellular sorting of immediate early gene mRNAs depends on signals in the mRNA sequence. *Journal of Neuroscience*, **1998**, 18, 26-35	6.6	150
104	Injury-induced physiological events that may modulate gene expression in neurons and glia. *Reviews in the Neurosciences*, **1997**, 8, 147-77	4.7	30
103	Signals that regulate astroglial gene expression: induction of GFAP mRNA following seizures or injury is blocked by protein synthesis inhibitors. *Experimental Neurology*, **1997**, 148, 100-9	5.7	17
102	mRNA localization in neurons: a multipurpose mechanism?. *Neuron*, **1997**, 18, 9-12	13.9	229
101	High frequency transcranial magnetic stimulation mimics the effects of ECS in upregulating astroglial gene expression in the murine CNS. *Molecular Brain Research*, **1997**, 44, 301-8		96
100	Genetic determinants of susceptibility to excitotoxic cell death: implications for gene targeting approaches. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 4103-8	11.5	452
99	Genetic influences on cellular reactions to CNS injury: the reactive response of astrocytes in denervated neuropil regions in mice carrying a mutation (Wld(S)) that causes delayed Wallerian degeneration. *Journal of Comparative Neurology*, **1997**, 380, 70-81	3.4	23
98	Genetic influences on cellular reactions to brain injury: activation of microglia in denervated neuropil in mice carrying a mutation (Wld(S)) that causes delayed Wallerian degeneration. *Journal of Comparative Neurology*, **1997**, 380, 82-94	3.4	21
97	Multiple subcellular mRNA distribution patterns in neurons: a nonisotopic in situ hybridization analysis. *Journal of Neurobiology*, **1997**, 33, 473-93		51
96	The process of reinnervation in the dentate gyrus of adult rats: physiological events at the time of the lesion and during the early postlesion period. *Experimental Neurology*, **1996**, 139, 73-82	5.7	14
95	The role of postlesion seizures and spreading depression in the upregulation of glial fibrillary acidic protein mRNA after entorhinal cortex lesions. *Experimental Neurology*, **1996**, 139, 83-94	5.7	13
94	Protein synthesis within dendrites: glycosylation of newly synthesized proteins in dendrites of hippocampal neurons in culture. *Journal of Neuroscience*, **1996**, 16, 5967-78	6.6	166
93	Protein synthesis within dendrites: ionic and neurotransmitter modulation of synthesis of particular polypeptides characterized by gel electrophoresis. *Neurochemical Research*, **1996**, 21, 681-90	4.6	26
92	Ultrastructural basis for gene expression at the synapse: synapse-associated polyribosome complexes. *Journal of Neurocytology*, **1996**, 25, 717-34		50
91	Genetic influences on cellular reactions to spinal cord injury: activation of macrophages/microglia and astrocytes is delayed in mice carrying a mutation (WldS) that causes delayed Wallerian degeneration. *Journal of Comparative Neurology*, **1996**, 371, 469-84	3.4	58

90	Genetic influences on cellular reactions to spinal cord injury: a wound-healing response present in normal mice is impaired in mice carrying a mutation (WldS) that causes delayed Wallerian degeneration. *Journal of Comparative Neurology*, **1996**, 371, 485-95	3.4	74
89	Homosynaptic and heterosynaptic changes in driving of dentate gyrus interneurons after brief tetanic stimulation in vivo. *Hippocampus*, **1996**, 6, 62-71	3.5	9
88	Genetic influences on cellular reactions to spinal cord injury: Activation of macrophages/microglia and astrocytes is delayed in mice carrying a mutation (WldS) that causes delayed Wallerian degeneration **1996**, 371, 469		12
87	Genetic influences on cellular reactions to spinal cord injury: A wound-healing response present in normal mice is impaired in mice carrying a mutation (WldS) that causes delayed Wallerian degeneration **1996**, 371, 485		14
86	The role of extracellular ionic changes in upregulating the mRNA for glial fibrillary acidic protein following spreading depression. *Brain Research*, **1995**, 674, 314-28	3.7	16
85	Targeting of mRNAs to subsynaptic microdomains in dendrites. *Current Opinion in Neurobiology*, **1995**, 5, 55-61	7.6	85
84	mRNA distribution within dendrites: relationship to afferent innervation. *Journal of Neurobiology*, **1995**, 26, 447-9		35
83	The process of reinnervation in the dentate gyrus of adult rats: gene expression by neurons during the period of lesion-induced growth. *Journal of Comparative Neurology*, **1995**, 359, 391-411	3.4	39
82	Characterization of GABAergic neurons in hippocampal cell cultures. *Journal of Neurocytology*, **1994** , 23, 279-95		163
81	Electroconvulsive seizures upregulate astroglial gene expression selectively in the dentate gyrus. *Molecular Brain Research*, **1994**, 25, 217-24		40
80	Cholinergic sprouting is blocked by repeated induction of electroconvulsive seizures, a manipulation that induces a persistent reactive state in astrocytes. *Experimental Neurology*, **1994**, 129, 103-11	5.7	13
79	Spreading depression and reverberatory seizures induce the upregulation of mRNA for glial fibrillary acidic protein. *Brain Research*, **1994**, 645, 215-24	3.7	25
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