Sumiko Kiryu-Seo

List of Publications by Year in Descending Order

61 papers	2,380 citations	28 h-index	48 g-index
68 ext. papers	2,579 ext. citations	5.2 avg, IF	4.41 L-index

#	Paper	IF	Citations
61	Axonal injury alters the extracellular glial environment of the axon initial segment and allows substantial mitochondrial influx into axon initial segment. *Journal of Comparative Neurology*, **2021**, 529, 3621-3632	3.4	1
60	TC10, a Rho family GTPase, is required for efficient axon regeneration in a neuron-autonomous manner. *Journal of Neurochemistry*, **2021**, 157, 1196-1206	6	1
59	Mitochondrial behavior during axon regeneration/degeneration in vivo. *Neuroscience Research*, **2019**, 139, 42-47	2.9	15
58	New Insights of a Neuronal Peptidase DINE/ECEL1: Nerve Development, Nerve Regeneration and Neurogenic Pathogenesis. *Neurochemical Research*, **2019**, 44, 1279-1288	4.6	6
57	Three-dimensional analysis of somatic mitochondrial dynamics in fission-deficient injured motor neurons using FIB/SEM. *Journal of Comparative Neurology*, **2017**, 525, 2535-2548	3.4	6
56	Distinct functional consequences of ECEL1/DINE missense mutations in the pathogenesis of congenital contracture disorders. *Acta Neuropathologica Communications*, **2017**, 5, 83	7.3	5
55	Damage-induced neuronal endopeptidase (DINE) enhances axonal regeneration potential of retinal ganglion cells after optic nerve injury. *Cell Death and Disease*, **2017**, 8, e2847	9.8	19
54	ECEL1 mutation implicates impaired axonal arborization of motor nerves in the pathogenesis of distal arthrogryposis. *Acta Neuropathologica*, **2016**, 132, 111-26	14.3	16
53	Mitochondrial fission is an acute and adaptive response in injured motor neurons. *Scientific Reports*, **2016**, 6, 28331	4.9	29
52	Motor Nerve Arborization Requires Proteolytic Domain of Damage-Induced Neuronal Endopeptidase (DINE) during Development. *Journal of Neuroscience*, **2016**, 36, 4744-57	6.6	10
51	Proteolipid protein cannot replace P0 protein as the major structural protein of peripheral nervous system myelin. *Glia*, **2015**, 63, 66-77	9	5
50	microRNA-124 is down regulated in nerve-injured motor neurons and it potentially targets mRNAs for KLF6 and STAT3. *Neuroscience*, **2014**, 256, 426-32	3.9	28
49	Expression analysis of the regenerating gene (Reg) family members Reg-III and Reg-III in the mouse during development. *Journal of Comparative Neurology*, **2012**, 520, 479-94	3.4	23
48	The nuclear events guiding successful nerve regeneration. *Frontiers in Molecular Neuroscience*, **2011**, 4, 53	6.1	30
47	Cleavage of neuregulin-1 by BACE1 or ADAM10 protein produces differential effects on myelination. *Journal of Biological Chemistry*, **2011**, 286, 23967-74	5.4	86
46	Myelination and axonal electrical activity modulate the distribution and motility of mitochondria at CNS nodes of Ranvier. *Journal of Neuroscience*, **2011**, 31, 7249-58	6.6	137
45	Damage-induced neuronal endopeptidase is critical for presynaptic formation of neuromuscular junctions. *Journal of Neuroscience*, **2010**, 30, 6954-62	6.6	35

44	Demyelination increases axonal stationary mitochondrial size and the speed of axonal mitochondrial transport. *Journal of Neuroscience*, **2010**, 30, 6658-66	6.6	128
43	Molecular characterization and expression of the low-density lipoprotein receptor-related protein-10, a new member of the LDLR gene family. *Biochemical and Biophysical Research Communications*, **2010**, 391, 1110-5	3.4	5
42	Local ventilation system successfully reduced formaldehyde exposure during gross anatomy dissection classes. *Anatomical Science International*, **2010**, 85, 251-2	2	5
41	Chronic stress elicits prolonged activation of alpha-MSH secretion and subsequent degeneration of melanotroph. *Journal of Neurochemistry*, **2009**, 109, 1389-99	6	27
40	Neuronal injury-inducible gene is synergistically regulated by ATF3, c-Jun, and STAT3 through the interaction with Sp1 in damaged neurons. *Journal of Biological Chemistry*, **2008**, 283, 6988-96	5.4	58
39	G-protein-coupled receptor screen reveals a role for chemokine receptor CCR5 in suppressing microglial neurotoxicity. *Journal of Neuroscience*, **2008**, 28, 11980-8	6.6	73
38	Altered expression of Smad family members in injured motor neurons of rat. *Brain Research*, **2007**, 1132, 36-41	3.7	17
37	Suture of transected nerve suppresses expression of BH3-only protein Noxa in nerve-transected motor neurons of C57BL/6J mouse. *Journal of Neurotrauma*, **2007**, 24, 876-84	5.4	
36	Localization and ontogeny of damage-induced neuronal endopeptidase mRNA-expressing neurons in the rat nervous system. *Neuroscience*, **2006**, 141, 299-310	3.9	18
35	Identification and functional analysis of damage-induced neuronal endopeptidase (DINE), a nerve injury associated molecule. *Kaibogaku Zasshi Journal of Anatomy*, **2006**, 81, 1-6		5
34	Unique anti-apoptotic activity of EAAC1 in injured motor neurons. *EMBO Journal*, **2006**, 25, 3411-21	13	35
33	Induced expressions of Rab24 GTPase and LC3 in nerve-injured motor neurons. *Biochemical and Biophysical Research Communications*, **2005**, 337, 1206-13	3.4	38
32	The p53-independent nuclear translocation of cyclin G1 in degenerating neurons by ischemic and traumatic insults. *Experimental Neurology*, **2005**, 193, 350-60	5.7	10
31	Altered expression of neprilysin family members in the pituitary gland of sleep-disturbed rats, an animal model of severe fatigue. *Journal of Neurochemistry*, **2005**, 95, 1156-66	6	28
30	Noxa is a critical mediator of p53-dependent motor neuron death after nerve injury in adult mouse. *Journal of Neuroscience*, **2005**, 25, 1442-7	6.6	63
29	Critical role for DP5/Harakiri, a Bcl-2 homology domain 3-only Bcl-2 family member, in axotomy-induced neuronal cell death. *Journal of Neuroscience*, **2004**, 24, 3721-5	6.6	69
28	Expression of damage-induced neuronal endopeptidase (DINE) mRNA in peri-infarct cortical and thalamic neurons following middle cerebral artery occlusion. *Journal of Neurochemistry*, **2004**, 91, 956-64	6	22
27	Transgenic mouse overexpressing the Akt reduced the volume of infarct area after middle cerebral artery occlusion. *Neuroscience Letters*, **2004**, 359, 159-62	3.3	31

26	Vesicular acetylcholine transporter can be a morphological marker for the reinnervation to muscle of regenerating motor axons. *Neuroscience Research*, **2004**, 48, 305-14	2.9	20
25	DINE (damage induced neuronal endopeptidase). *Protein and Peptide Letters*, **2004**, 11, 451-60	1.9	7
24	Expression of the activating transcription factor 3 prevents c-Jun N-terminal kinase-induced neuronal death by promoting heat shock protein 27 expression and Akt activation. *Journal of Neuroscience*, **2003**, 23, 5187-96	6.6	227
23	Cavernous nerve injury elicits GAP-43 mRNA expression but not regeneration of injured pelvic ganglion neurons. *Brain Research*, **2003**, 986, 166-73	3.7	20
22	Collapsin response mediator protein-2 accelerates axon regeneration of nerve-injured motor neurons of rat. *Journal of Neurochemistry*, **2003**, 86, 1042-50	6	70
21	Damage-induced neuronal endopeptidase (DINE/ECEL) expression is regulated by leukemia inhibitory factor and deprivation of nerve growth factor in rat sensory ganglia after nerve injury. *Journal of Neuroscience*, **2002**, 22, 9410-8	6.6	29
20	Identification of an axotomy-induced glycosylated protein, AIGP1, possibly involved in cell death triggered by endoplasmic reticulum-Golgi stress. *Journal of Neuroscience*, **2002**, 22, 10751-60	6.6	34
19	Gene expression and manipulation in injured neurons **2002**, 115-124		
18	A disintegrin and metalloprotease with thrombospondin type1 motifs (ADAMTS-1) and IL-1 receptor type 1 mRNAs are simultaneously induced in nerve injured motor neurons. *Molecular Brain Research*, **2001**, 89, 158-63		31
17	Neprilysin degrades both amyloid beta peptides 1-40 and 1-42 most rapidly and efficiently among thiorphan- and phosphoramidon-sensitive endopeptidases. *Journal of Biological Chemistry*, **2001**, 276, 21895-901	5.4	232
16	Damage-induced neuronal endopeptidase (DINE) is a unique metallopeptidase expressed in response to neuronal damage and activates superoxide scavengers. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 4345-50	11.5	100
15	Endothelin-converting enzymes and endothelin receptor B messenger RNAs are expressed in different neural cell species and these messenger RNAs are coordinately induced in neurons and astrocytes respectively following nerve injury. *Neuroscience*, **2000**, 101, 441-9	3.9	68
14	Dimethylarginine dimethylaminohydrolase (DDAH) as a nerve-injury-associated molecule: mRNA localization in the rat brain and its coincident up-regulation with neuronal NO synthase (nNOS) in axotomized motoneurons. *European Journal of Neuroscience*, **1999**, 11, 2160-6	3.5	25
13	Expressed-sequence-tag approach to identify differentially expressed genes following peripheral nerve axotomy. *Molecular Brain Research*, **1999**, 64, 34-40		32
12	Discordant expression of c-Ret and glial cell line-derived neurotrophic factor receptor alpha-1 mRNAs in response to motor nerve injury in neonate rats. *Molecular Brain Research*, **1999**, 70, 298-303		13
11	Alternative expression of Shc family members in nerve-injured motoneurons. *Molecular Brain Research*, **1998**, 53, 291-6		26
10	Enhanced expression of 14-3-3 family members in injured motoneurons. *Molecular Brain Research*, **1998**, 55, 315-20		40
9	Up-regulation of thioredoxin expression in motor neurons after nerve injury. *Molecular Brain Research*, **1998**, 62, 86-91		25

8	A sequence-specific splicing activator, tra2beta, is up-regulated in response to nerve injury. *Molecular Brain Research*, **1998**, 62, 220-3		14
7	Enhancement of extracellular glutamate scavenge system in injured motoneurons. *Journal of Neurochemistry*, **1998**, 71, 913-9	6	27
6	Selective upregulation of cytokine receptor subchain and their intracellular signalling molecules after peripheral nerve injury. *European Journal of Neuroscience*, **1997**, 9, 1047-54	3.5	47
5	p53-independent cyclin G expression in a group of mature neurons and its enhanced expression during nerve regeneration. *Journal of Neuroscience*, **1996**, 16, 5961-6	6.6	42
4	Nerve injury enhances rat neuronal glutamate transporter expression: identification by differential display PCR. *Journal of Neuroscience*, **1995**, 15, 7872-8	6.6	87
3	Regulation of mRNA expression involved in Ras and PKA signal pathways during rat hypoglossal nerve regeneration. *Molecular Brain Research*, **1995**, 29, 147-56		38
2	Up-regulation of ferritin heavy chain mRNA expression in the rat skeletal muscle after denervation: detected by means of differential display. *Neuroscience Research*, **1995**, 23, 353-60	2.9	11
1	Up-regulation of ERK (MAP kinase) and MEK (MAP kinase kinase) transcription after rat facial nerve transection. *Neuroscience Research*, **1994**, 20, 275-80	2.9	30