

Sumiko Kiryu-Seo

List of Publications by Citations

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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.

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	Nepriylsin degrades both amyloid beta peptides 1-40 and 1-42 most rapidly and efficiently among thiorphan- and phosphoramidon-sensitive endopeptidases. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21895-901	5.4	232
60	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. <i>Journal of Neuroscience</i> , 2003 , 23, 5187-96	6.6	227
59	Myelination and axonal electrical activity modulate the distribution and motility of mitochondria at CNS nodes of Ranvier. <i>Journal of Neuroscience</i> , 2011 , 31, 7249-58	6.6	137
58	Demyelination increases axonal stationary mitochondrial size and the speed of axonal mitochondrial transport. <i>Journal of Neuroscience</i> , 2010 , 30, 6658-66	6.6	128
57	Damage-induced neuronal endopeptidase (DINE) is a unique metallopeptidase expressed in response to neuronal damage and activates superoxide scavengers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4345-50	11.5	100
56	Nerve injury enhances rat neuronal glutamate transporter expression: identification by differential display PCR. <i>Journal of Neuroscience</i> , 1995 , 15, 7872-8	6.6	87
55	Cleavage of neuregulin-1 by BACE1 or ADAM10 protein produces differential effects on myelination. <i>Journal of Biological Chemistry</i> , 2011 , 286, 23967-74	5.4	86
54	G-protein-coupled receptor screen reveals a role for chemokine receptor CCR5 in suppressing microglial neurotoxicity. <i>Journal of Neuroscience</i> , 2008 , 28, 11980-8	6.6	73
53	Collapsin response mediator protein-2 accelerates axon regeneration of nerve-injured motor neurons of rat. <i>Journal of Neurochemistry</i> , 2003 , 86, 1042-50	6	70
52	Critical role for DP5/Harakiri, a Bcl-2 homology domain 3-only Bcl-2 family member, in axotomy-induced neuronal cell death. <i>Journal of Neuroscience</i> , 2004 , 24, 3721-5	6.6	69
51	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. <i>Neuroscience</i> , 2000 , 101, 441-9	3.9	68
50	Noxa is a critical mediator of p53-dependent motor neuron death after nerve injury in adult mouse. <i>Journal of Neuroscience</i> , 2005 , 25, 1442-7	6.6	63
49	Neuronal injury-inducible gene is synergistically regulated by ATF3, c-Jun, and STAT3 through the interaction with Sp1 in damaged neurons. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6988-96	5.4	58
48	Selective upregulation of cytokine receptor subchain and their intracellular signalling molecules after peripheral nerve injury. <i>European Journal of Neuroscience</i> , 1997 , 9, 1047-54	3.5	47
47	p53-independent cyclin G expression in a group of mature neurons and its enhanced expression during nerve regeneration. <i>Journal of Neuroscience</i> , 1996 , 16, 5961-6	6.6	42
46	Enhanced expression of 14-3-3 family members in injured motoneurons. <i>Molecular Brain Research</i> , 1998 , 55, 315-20		40
45	Induced expressions of Rab24 GTPase and LC3 in nerve-injured motor neurons. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 1206-13	3.4	38

44	Regulation of mRNA expression involved in Ras and PKA signal pathways during rat hypoglossal nerve regeneration. <i>Molecular Brain Research</i> , 1995 , 29, 147-56		38
43	Damage-induced neuronal endopeptidase is critical for presynaptic formation of neuromuscular junctions. <i>Journal of Neuroscience</i> , 2010 , 30, 6954-62	6.6	35
42	Unique anti-apoptotic activity of EAAC1 in injured motor neurons. <i>EMBO Journal</i> , 2006 , 25, 3411-21	13	35
41	Identification of an axotomy-induced glycosylated protein, AIGP1, possibly involved in cell death triggered by endoplasmic reticulum-Golgi stress. <i>Journal of Neuroscience</i> , 2002 , 22, 10751-60	6.6	34
40	Expressed-sequence-tag approach to identify differentially expressed genes following peripheral nerve axotomy. <i>Molecular Brain Research</i> , 1999 , 64, 34-40		32
39	Transgenic mouse overexpressing the Akt reduced the volume of infarct area after middle cerebral artery occlusion. <i>Neuroscience Letters</i> , 2004 , 359, 159-62	3.3	31
38	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. <i>Molecular Brain Research</i> , 2001 , 89, 158-63		31
37	The nuclear events guiding successful nerve regeneration. <i>Frontiers in Molecular Neuroscience</i> , 2011 , 4, 53	6.1	30
36	Up-regulation of ERK (MAP kinase) and MEK (MAP kinase kinase) transcription after rat facial nerve transection. <i>Neuroscience Research</i> , 1994 , 20, 275-80	2.9	30
35	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. <i>Journal of Neuroscience</i> , 2002 , 22, 9410-8	6.6	29
34	Mitochondrial fission is an acute and adaptive response in injured motor neurons. <i>Scientific Reports</i> , 2016 , 6, 28331	4.9	29
33	microRNA-124 is down regulated in nerve-injured motor neurons and it potentially targets mRNAs for KLF6 and STAT3. <i>Neuroscience</i> , 2014 , 256, 426-32	3.9	28
32	Altered expression of neprilysin family members in the pituitary gland of sleep-disturbed rats, an animal model of severe fatigue. <i>Journal of Neurochemistry</i> , 2005 , 95, 1156-66	6	28
31	Chronic stress elicits prolonged activation of alpha-MSH secretion and subsequent degeneration of melanotroph. <i>Journal of Neurochemistry</i> , 2009 , 109, 1389-99	6	27
30	Enhancement of extracellular glutamate scavenge system in injured motoneurons. <i>Journal of Neurochemistry</i> , 1998 , 71, 913-9	6	27
29	Alternative expression of Shc family members in nerve-injured motoneurons. <i>Molecular Brain Research</i> , 1998 , 53, 291-6		26
28	Up-regulation of thioredoxin expression in motor neurons after nerve injury. <i>Molecular Brain Research</i> , 1998 , 62, 86-91		25
27	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. <i>European Journal of Neuroscience</i> , 1999 , 11, 2160-6	3.5	25

26	Expression analysis of the regenerating gene (Reg) family members Reg-III α and Reg-III β in the mouse during development. <i>Journal of Comparative Neurology</i> , 2012 , 520, 479-94	3.4	23
25	Expression of damage-induced neuronal endopeptidase (DINE) mRNA in peri-infarct cortical and thalamic neurons following middle cerebral artery occlusion. <i>Journal of Neurochemistry</i> , 2004 , 91, 956-64 ⁶		22
24	Cavernous nerve injury elicits GAP-43 mRNA expression but not regeneration of injured pelvic ganglion neurons. <i>Brain Research</i> , 2003 , 986, 166-73	3.7	20
23	Vesicular acetylcholine transporter can be a morphological marker for the reinnervation to muscle of regenerating motor axons. <i>Neuroscience Research</i> , 2004 , 48, 305-14	2.9	20
22	Damage-induced neuronal endopeptidase (DINE) enhances axonal regeneration potential of retinal ganglion cells after optic nerve injury. <i>Cell Death and Disease</i> , 2017 , 8, e2847	9.8	19
21	Localization and ontogeny of damage-induced neuronal endopeptidase mRNA-expressing neurons in the rat nervous system. <i>Neuroscience</i> , 2006 , 141, 299-310	3.9	18
20	Altered expression of Smad family members in injured motor neurons of rat. <i>Brain Research</i> , 2007 , 1132, 36-41	3.7	17
19	ECEL1 mutation implicates impaired axonal arborization of motor nerves in the pathogenesis of distal arthrogryposis. <i>Acta Neuropathologica</i> , 2016 , 132, 111-26	14.3	16
18	Mitochondrial behavior during axon regeneration/degeneration in vivo. <i>Neuroscience Research</i> , 2019 , 139, 42-47	2.9	15
17	A sequence-specific splicing activator, tra2beta, is up-regulated in response to nerve injury. <i>Molecular Brain Research</i> , 1998 , 62, 220-3		14
16	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. <i>Molecular Brain Research</i> , 1999 , 70, 298-303		13
15	Up-regulation of ferritin heavy chain mRNA expression in the rat skeletal muscle after denervation: detected by means of differential display. <i>Neuroscience Research</i> , 1995 , 23, 353-60	2.9	11
14	The p53-independent nuclear translocation of cyclin G1 in degenerating neurons by ischemic and traumatic insults. <i>Experimental Neurology</i> , 2005 , 193, 350-60	5.7	10
13	Motor Nerve Arborization Requires Proteolytic Domain of Damage-Induced Neuronal Endopeptidase (DINE) during Development. <i>Journal of Neuroscience</i> , 2016 , 36, 4744-57	6.6	10
12	DINE (damage induced neuronal endopeptidase). <i>Protein and Peptide Letters</i> , 2004 , 11, 451-60	1.9	7
11	Three-dimensional analysis of somatic mitochondrial dynamics in fission-deficient injured motor neurons using FIB/SEM. <i>Journal of Comparative Neurology</i> , 2017 , 525, 2535-2548	3.4	6
10	New Insights of a Neuronal Peptidase DINE/ECEL1: Nerve Development, Nerve Regeneration and Neurogenic Pathogenesis. <i>Neurochemical Research</i> , 2019 , 44, 1279-1288	4.6	6
9	Proteolipid protein cannot replace P0 protein as the major structural protein of peripheral nervous system myelin. <i>Glia</i> , 2015 , 63, 66-77	9	5

8	Distinct functional consequences of ECEL1/DINE missense mutations in the pathogenesis of congenital contracture disorders. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 83	7-3	5
7	Molecular characterization and expression of the low-density lipoprotein receptor-related protein-10, a new member of the LDLR gene family. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 1110-5	3-4	5
6	Local ventilation system successfully reduced formaldehyde exposure during gross anatomy dissection classes. <i>Anatomical Science International</i> , 2010 , 85, 251-2	2	5
5	Identification and functional analysis of damage-induced neuronal endopeptidase (DINE), a nerve injury associated molecule. <i>Kaibogaku Zasshi Journal of Anatomy</i> , 2006 , 81, 1-6		5
4	Axonal injury alters the extracellular glial environment of the axon initial segment and allows substantial mitochondrial influx into axon initial segment. <i>Journal of Comparative Neurology</i> , 2021 , 529, 3621-3632	3-4	1
3	TC10, a Rho family GTPase, is required for efficient axon regeneration in a neuron-autonomous manner. <i>Journal of Neurochemistry</i> , 2021 , 157, 1196-1206	6	1
2	Suture of transected nerve suppresses expression of BH3-only protein Noxa in nerve-transected motor neurons of C57BL/6J mouse. <i>Journal of Neurotrauma</i> , 2007 , 24, 876-84	5-4	
1	Gene expression and manipulation in injured neurons 2002 , 115-124		