Takahiro Seki

List of Publications by Year
in descending order

87	1,999	236612	315357
papers	citations	25 h-index	38 g-index

92	92	92	2658
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mammalian microautophagy: mechanism and roles in disease. , 2022, , 385-397.		0
2	Hydroxychloroquine improves motor function and affords neuroprotection without inhibition of inflammation and autophagy in mice after intracerebral hemorrhage. Journal of Neuroimmunology, 2022, 362, 577786.	1.1	3
3	D-Cysteine Activates Chaperone-Mediated Autophagy in Cerebellar Purkinje Cells via the Generation of Hydrogen Sulfide and Nrf2 Activation. Cells, 2022, 11, 1230.	1.8	0
4	A Nurr1 ligand C-DIM12 attenuates brain inflammation and improves functional recovery after intracerebral hemorrhage in mice. Scientific Reports, 2022, 12, .	1.6	3
5	Nicotine promotes angiogenesis in mouse brain after intracerebral hemorrhage. Neuroscience Research, 2021, 170, 284-294.	1.0	5
6	Ataxic phenotype and neurodegeneration are triggered by the impairment of chaperoneâ€mediated autophagy in cerebellar neurons. Neuropathology and Applied Neurobiology, 2021, 47, 198-209.	1.8	7
7	Intracerebroventricular Treatment with 2-Hydroxypropyl-Î²-Cyclodextrin Decreased Cerebellar and Hepatic Glycoprotein Nonmetastatic Melanoma Protein B (GPNMB) Expression in Niemannâ€“Pick Disease Type C Model Mice. International Journal of Molecular Sciences, 2021, 22, 452.	1.8	20
8	Aromatic-Turmerone Analogs Protect Dopaminergic Neurons in Midbrain Slice Cultures through Their Neuroprotective Activities. Cells, 2021, 10, 1090.	1.8	13
9	Therapeutic potential of d-cysteine against in vitro and in vivo models of spinocerebellar ataxia. Experimental Neurology, 2021, 343, 113791.	2.0	5
10	Histone deacetylase 10 knockout activates chaperone-mediated autophagy and accelerates the decomposition of its substrate. Biochemical and Biophysical Research Communications, 2020, 523, 246-252.	1.0	18
11	Glucocorticoids negatively regulates chaperone mediated autophagy and microautophagy. Biochemical and Biophysical Research Communications, 2020, 528, 199-205.	1.0	15
12	Laquinimod and 3,3â€²-diindolylemethane alleviate neuropathological events and neurological deficits in a mouse model of intracerebral hemorrhage. Journal of Neuroimmunology, 2020, 342, 577195.	1.1	16
13	Interactions between rat cortico-striatal slice cultures and neutrophil-like HL60Âcells under thrombin challenge: Toward elucidation of pathological events in intracerebral hemorrhage. Journal of Pharmacological Sciences, 2020, 142, 116-123.	1.1	1
14	Reciprocal Regulation of Chaperone-Mediated Autophagy/Microautophagy and Exosome Release. Biological and Pharmaceutical Bulletin, 2019, 42, 1394-1401.	0.6	19
15	Chronic memantine administration prevents ouabain-induced hyperactivity in mice via maintenance of Na+, K+-ATPase activity in the hippocampus. Journal of Pharmacological Sciences, 2019, 140, 295-299.	1.1	4
16	Anxiolytic activities of Matcha tea powder, extracts, and fractions in mice: Contribution of dopamine D1 receptor- and serotonin 5-HT1A receptor-mediated mechanisms. Journal of Functional Foods, 2019, 59, 301-308.	1.6	18
17	Rapamycin activates mammalian microautophagy. Journal of Pharmacological Sciences, 2019, 140, 201-204.	1.1	39
18	Cell-penetrating mechanism of intracellular targeting albumin: Contribution of macropinocytosis induction and endosomal escape. Journal of Controlled Release, 2019, 304, 156-163.	4.8	19

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19	Involvement of exosomes in dopaminergic neurodegeneration by microglial activation in midbrain slice cultures. Biochemical and Biophysical Research Communications, 2019, 511, 427-433.	1.0	38
20	A Nurr1 agonist amodiaquine attenuates inflammatory events and neurological deficits in a mouse model of intracerebral hemorrhage. Journal of Neuroimmunology, 2019, 330, 48-54.	1.1	19
21	Propranolol prevents cerebral blood flow changes and pain-related behaviors in migraine model mice. Biochemical and Biophysical Research Communications, 2019, 508, 445-450.	1.0	7
22	Na+, K+-ATPase inhibition causes hyperactivity and impulsivity in mice via dopamine D2 receptor-mediated mechanism. Neuroscience Research, 2019, 146, 54-64.	1.0	13
23	Polysulfide protects midbrain dopaminergic neurons from MPP+-induced degeneration via enhancement of glutathione biosynthesis. Journal of Pharmacological Sciences, 2018, 137, 47-54.	1.1	9
24	Endogenous Nitric Oxide Inhibits, Whereas Awakening Stimuli Increase, the Activity of a Subset of Orexin Neurons. Biological and Pharmaceutical Bulletin, 2018, 41, 1859-1865.	0.6	3
25	Na+, K+-ATPase inhibition induces neuronal cell death in rat hippocampal slice cultures: Association with GLAST and glial cell abnormalities. Journal of Pharmacological Sciences, 2018, 138, 167-175.	1.1	12
26	d-Cysteine promotes dendritic development in primary cultured cerebellar Purkinje cells via hydrogen sulfide production. Molecular and Cellular Neurosciences, 2018, 93, 36-47.	1.0	16
27	Lysosomal dysfunction and early glial activation are involved in the pathogenesis of spinocerebellar ataxia type 21 caused by mutant transmembrane protein 240. Neurobiology of Disease, 2018, 120, 34-50.	2.1	32
28	Propofol induced diverse and subtype-specific translocation of PKC families. Journal of Pharmacological Sciences, 2018, 137, 20-29.	1.1	7
29	Pharmacological induction of heat shock proteins ameliorates toxicity of mutant PKCÎ³ in spinocerebellar ataxia type 14. Journal of Biological Chemistry, 2018, 293, 14758-14774.	1.6	13
30	Cortical hemorrhageâ€associated neurological deficits and tissue damage in mice are ameliorated by therapeutic treatment with nicotine. Journal of Neuroscience Research, 2017, 95, 1838-1849.	1.3	18
31	Cystamine-mediated inhibition of protein disulfide isomerase triggers aggregation of misfolded orexin-A in the Golgi apparatus and prevents extracellular secretion of orexin-A. Biochemical and Biophysical Research Communications, 2017, 489, 164-170.	1.0	5
32	Inhibition of Leukotriene B₄Action Mitigates Intracerebral Hemorrhage-Associated Pathological Events in Mice. Journal of Pharmacology and Experimental Therapeutics, 2017, 360, 399-408.	1.3	27
33	Retinoic acid receptor agonist Am80 inhibits CXCL2 production from microglial BV-2 cells via attenuation of NF-ÎºB signaling. International Immunopharmacology, 2016, 38, 367-376.	1.7	10
34	Na+, K+-ATPase dysfunction causes cerebrovascular endothelial cell degeneration in rat prefrontal cortex slice cultures. Brain Research, 2016, 1644, 249-257.	1.1	5
35	Fluorescentâ€based evaluation of chaperoneâ€mediated autophagy and microautophagy activities in cultured cells. Genes To Cells, 2016, 21, 861-873.	0.5	26
36	Regulatory Mechanisms of Vitamin D3 on Production of Nitric Oxide and Pro-inflammatory Cytokines in Microglial BV-2 Cells. Neurochemical Research, 2016, 41, 2848-2858.	1.6	36

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37	The Toll-like receptor 4-activated neuroprotective microglia subpopulation survives via granulocyte macrophage colony-stimulating factor and JAK2/STAT5 signaling. Neurochemistry International, 2016, 93, 82-94.	1.9	17
38	Axonal dysfunction in internal capsule is closely associated with early motor deficits after intracerebral hemorrhage in mice. Neuroscience Research, 2016, 106, 38-46.	1.0	22
39	Insulin-like growth factor 1 specifically up-regulates expression of modifier subunit of glutamate-cysteine ligase and enhances glutathione synthesis in SH-SY5Y cells. European Journal of Pharmacology, 2016, 771, 99-106.	1.7	10
40	Mitogen-activated protein kinases regulate expression of neuronal nitric oxide synthase and neurite outgrowth via non-classical retinoic acid receptor signaling in human neuroblastoma SH-SY5Y cells. Journal of Pharmacological Sciences, 2015, 129, 119-126.	1.1	11
41	Identification and characterization of PKCÎ³, a kinase associated with SCA14, as an amyloidogenic protein. Human Molecular Genetics, 2015, 24, 525-539.	1.4	22
42	A natural compound macelignan protects midbrain dopaminergic neurons from inflammatory degeneration via microglial arginase-1 expression. European Journal of Pharmacology, 2015, 760, 129-135.	1.7	18
43	A knockin mouse model of spinocerebellar ataxia type 3 exhibits prominent aggregate pathology and aberrant splicing of the disease gene transcript. Human Molecular Genetics, 2015, 24, 1211-1224.	1.4	41
44	Deregulation of the actin cytoskeleton and macropinocytosis in response to phorbol ester by the mutant protein kinase C gamma that causes spinocerebellar ataxia type 14. Frontiers in Physiology, 2014, 5, 126.	1.3	23
45	Suppression of CXCL2 upregulation underlies the therapeutic effect of the retinoid Am80 on intracerebral hemorrhage in mice. Journal of Neuroscience Research, 2014, 92, 1024-1034.	1.3	46
46	Developmental expression of GPR3 in rodent cerebellar granule neurons is associated with cell survival and protects neurons from various apoptotic stimuli. Neurobiology of Disease, 2014, 68, 215-227.	2.1	31
47	High fat diet induces specific pathological changes in hypothalamic orexin neurons in mice. Neurochemistry International, 2014, 78, 61-66.	1.9	32
48	Mutant Î³PKC that causes spinocerebellar ataxia type 14 upregulates Hsp70, which protects cells from the mutantâ€™s cytotoxicity. Biochemical and Biophysical Research Communications, 2013, 440, 25-30.	1.0	10
49	JosD1, a Membrane-targeted Deubiquitinating Enzyme, Is Activated by Ubiquitination and Regulates Membrane Dynamics, Cell Motility, and Endocytosis. Journal of Biological Chemistry, 2013, 288, 17145-17155.	1.6	63
50	Inhibitory effects of levetiracetam on the high-voltage-activated L-type Ca2+ channels in hippocampal CA3 neurons of spontaneously epileptic rat (SER). Brain Research Bulletin, 2013, 90, 142-148.	1.4	28
51	Long-Term Exposure of RN46A Cells Expressing Serotonin Transporter (SERT) to a cAMP Analog Up-regulates SERT Activity and Is Accompanied by Neural Differentiation of the Cells. Journal of Pharmacological Sciences, 2013, 121, 25-38.	1.1	17
52	Effects of the Chemical Chaperone 4-Phenylbutylate on the Function of the Serotonin Transporter (SERT) Expressed in COS-7 Cells. Journal of Pharmacological Sciences, 2013, 122, 71-83.	1.1	24
53	Hypoxic stress activates chaperone-mediated autophagy and modulates neuronal cell survival. Neurochemistry International, 2012, 60, 431-442.	1.9	93
54	Establishment of a Novel Fluorescence-Based Method to Evaluate Chaperone-Mediated Autophagy in a Single Neuron. PLoS ONE, 2012, 7, e31232.	1.1	41

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55	Molecular pathophysiology of neurodegenerative disease caused by Î³PKC mutations. World Journal of Biological Psychiatry, 2011, 12, 95-98.	1.3	6
56	Elucidation of the Molecular Mechanism and Exploration of Novel Therapeutics for Spinocerebellar Ataxia Caused by Mutant Protein Kinase CÎ³. Journal of Pharmacological Sciences, 2011, 116, 239-247.	1.1	16
57	Extracellular ATP differentially modulates Tollâ€like receptor 4â€mediated cell survival and death of microglia. Journal of Neurochemistry, 2011, 116, 1138-1147.	2.1	25
58	Mutant PKCÎ³ in Spinocerebellar Ataxia Type 14 Disrupts Synapse Elimination and Long-Term Depression in Purkinje CellsIn Vivo. Journal of Neuroscience, 2011, 31, 14324-14334.	1.7	81
59	Congo Red, an Amyloid-Inhibiting Compound, Alleviates Various Types of Cellular Dysfunction Triggered by Mutant Protein Kinase CÎ³ That Causes Spinocerebellar Ataxia Type 14 (SCA14) by Inhibiting Oligomerization and Aggregation. Journal of Pharmacological Sciences, 2010, 114, 206-216.	1.1	13
60	Mutant protein kinase C gamma that causes spinocerebellar ataxia type 14 (SCA14) is selectively degraded by autophagy. Genes To Cells, 2010, 15, 425-438.	0.5	20
61	Effect of Trehalose on the Properties of Mutant Î³PKC, Which Causes Spinocerebellar Ataxia Type 14, in Neuronal Cell Lines and Cultured Purkinje Cells*. Journal of Biological Chemistry, 2010, 285, 33252-33264.	1.6	25
62	Immunostimulation-Mediated Anti-Tumor Activity of Bamboo (Sasa senanensis) Leaf Extracts Obtained under â€˜Vigorousâ€™ Condition. Evidence-based Complementary and Alternative Medicine, 2010, 7, 447-457.	0.5	37
63	Mutant Î³PKC found in spinocerebellar ataxia type 14 induces aggregate-independent maldevelopment of dendrites in primary cultured Purkinje cells. Neurobiology of Disease, 2009, 33, 260-273.	2.1	58
64	The C-Terminal Region of Serotonin Transporter Is Important for Its Trafficking and Glycosylation. Journal of Pharmacological Sciences, 2009, 111, 392-404.	1.1	22
65	Enzymological Analysis of Mutant Protein Kinase CÎ³ Causing Spinocerebellar Ataxia Type 14 and Dysfunction in Ca2+ Homeostasis. Journal of Biological Chemistry, 2008, 283, 19854-19863.	1.6	99
66	Fragmentation of Protein Kinase N (PKN) in the Hydrocephalic Rat Brain. Acta Histochemica Et Cytochemica, 2007, 40, 113-121.	0.8	8
67	Aggregate formation of mutant protein kinase C gamma found in spinocerebellar ataxia type 14 impairs ubiquitinâ€proteasome system and induces endoplasmic reticulum stress. European Journal of Neuroscience, 2007, 26, 3126-3140.	1.2	48
68	R659S mutation of Î³PKC is susceptible to cell death: Implication of this mutation/polymorphism in the pathogenesis of retinitis pigmentosa. Neurochemistry International, 2006, 49, 669-675.	1.9	4
69	Fused protein of Î´PKC activation loop and PDK1-interacting fragment (Î´AL-PIF) functions as a pseudosubstrate and an inhibitory molecule for PDK1 when expressed in cells. Genes To Cells, 2006, 11, 1051-1070.	0.5	5
70	Identification of a new family of spinocerebellar ataxia type 14 in the japanese spinocerebellar ataxia population by the screening of PRKCG exon 4. Movement Disorders, 2006, 21, 1355-1360.	2.2	29
71	Phosphorylation of PKC activation loop plays an important role in receptor-mediated translocation of PKC. Genes To Cells, 2005, 10, 225-239.	0.5	31
72	Effects of continuous administration of paroxetine on ligand binding site and expression of serotonin transporter protein in mouse brain. Brain Research, 2005, 1053, 154-161.	1.1	21

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73	Mutant Protein Kinase CÎ³ Found in Spinocerebellar Ataxia Type 14 Is Susceptible to Aggregation and Causes Cell Death. Journal of Biological Chemistry, 2005, 280, 29096-29106.	1.6	64
74	Role of C-terminal region in the functional regulation of rat serotonin transporter (SERT). Neurochemistry International, 2005, 46, 93-105.	1.9	27
75	Postsynaptic Î±4Î²2 and Î±7 type nicotinic acetylcholine receptors contribute to the local and endogenous acetylcholine-mediated synaptic transmissions in nigral dopaminergic neurons. Brain Research, 2004, 1005, 1-8.	1.1	19
76	Involvement of Î±7- and Î±4Î²2-type postsynaptic nicotinic acetylcholine receptors in nicotine-induced excitation of dopaminergic neurons in the substantia nigra: a patch clamp and single-cell PCR study using acutely dissociated nigral neurons. Molecular Brain Research, 2004, 129, 1-7.	2.5	39
77	Adenoviral gene transfer of aspartoacylase ameliorates tonic convulsions of spontaneously epileptic rats. Neurochemistry International, 2004, 45, 171-178.	1.9	23
78	Antiepileptic Effects of Single and Repeated Oral Administrations of S-312-d, a Novel Calcium Channel Antagonist, on Tonic Convulsions in Spontaneously Epileptic Rats. Journal of Pharmacological Sciences, 2004, 95, 355-362.	1.1	6
79	Repeated administration of methamphetamine causes hypersensitivity of D2 receptor in rat ventral tegmental area. Neuroscience Letters, 2003, 347, 89-92.	1.0	13
80	Perospirone, a Novel Antipsychotic Agent, Hyperpolarizes Rat Dorsal Raphe Neurons via 5-HT1A Receptor. Journal of Pharmacological Sciences, 2003, 93, 114-117.	1.1	28
81	Electrophysiological Characterization of Nicotine-Induced Excitation of Dopaminergic Neurons in the Rat Substantia Nigra. Journal of Pharmacological Sciences, 2003, 93, 143-148.	1.1	12
82	Adenoviral gene transfer of aspartoacylase into the tremor rat, a genetic model of epilepsy, as a trial of gene therapy for inherited epileptic disorder. Neuroscience Letters, 2002, 328, 249-252.	1.0	24
83	Endomorphin-1 Discriminates the .MU.-Opioid Receptor From the .DELTA.- and .KAPPA.-Opioid Receptors by Recognizing the Difference in Multiple Regions.. The Japanese Journal of Pharmacology, 2000, 83, 306-311.	1.2	11
84	Endomorphin-1 Discriminates the Î¼-Opioid Receptor From the δ- and Îº-Opioid Receptors by Recognizing the Difference in Multiple Regions. The Japanese Journal of Pharmacology, 2000, 83, 306-311.	1.2	2
85	Pharmacological properties of TRK-820 on cloned Î¼-, Î´- and Îº-opioid receptors and nociceptin receptor. European Journal of Pharmacology, 1999, 376, 159-167.	1.7	79
86	DAMGO recognizes four residues in the third extracellular loop to discriminate between Î¼- and Îº-opioid receptors. European Journal of Pharmacology, 1998, 350, 301-310.	1.7	36
87	Bremazocine Recognizes the Difference in Four Amino Acid Residues to Discriminate Between a Nociceptin/Orphanin FQ Receptor and Opioid Receptors. The Japanese Journal of Pharmacology, 1998, 77, 301-306.	1.2	8