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	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
2	Hypoxic stress activates chaperone-mediated autophagy and modulates neuronal cell survival. Neurochemistry International, 2012, 60, 431-442.	1.9	93
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Establishment of a Novel Fluorescence-Based Method to Evaluate Chaperone-Mediated Autophagy in a Single Neuron. PLoS ONE, 2012, 7, e31232.	1.1	41
12	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
13	Rapamycin activates mammalian microautophagy. Journal of Pharmacological Sciences, 2019, 140, 201-204.	1.1	39
14	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
15	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
16	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
17	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
18	High fat diet induces specific pathological changes in hypothalamic orexin neurons in mice. Neurochemistry International, 2014, 78, 61-66.	1.9	32

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19	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
20	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
21	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
22	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
23	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
24	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
25	Role of C-terminal region in the functional regulation of rat serotonin transporter (SERT). Neurochemistry International, 2005, 46, 93-105.	1.9	27
26	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
27	Fluorescentâ€based evaluation of chaperoneâ€mediated autophagy and microautophagy activities in cultured cells. Genes To Cells, 2016, 21, 861-873.	0.5	26
28	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
29	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
30	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
31	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
32	Adenoviral gene transfer of aspartoacylase ameliorates tonic convulsions of spontaneously epileptic rats. Neurochemistry International, 2004, 45, 171-178.	1.9	23
33	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
34	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
35	Identification and characterization of PKCÎ³, a kinase associated with SCA14, as an amyloidogenic protein. Human Molecular Genetics, 2015, 24, 525-539.	1.4	22
36	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

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37	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
38	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
39	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
40	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
41	Reciprocal Regulation of Chaperone-Mediated Autophagy/Microautophagy and Exosome Release. Biological and Pharmaceutical Bulletin, 2019, 42, 1394-1401.	0.6	19
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	Glucocorticoids negatively regulates chaperone mediated autophagy and microautophagy. Biochemical and Biophysical Research Communications, 2020, 528, 199-205.	1.0	15
54	Repeated administration of methamphetamine causes hypersensitivity of D2 receptor in rat ventral tegmental area. Neuroscience Letters, 2003, 347, 89-92.	1.0	13

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55	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
56	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
57	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
58	Aromatic-Turmerone Analogs Protect Dopaminergic Neurons in Midbrain Slice Cultures through Their Neuroprotective Activities. Cells, 2021, 10, 1090.	1.8	13
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	Fragmentation of Protein Kinase N (PKN) in the Hydrocephalic Rat Brain. Acta Histochemica Et Cytochemica, 2007, 40, 113-121.	0.8	8
69	Propofol induced diverse and subtype-specific translocation of PKC families. Journal of Pharmacological Sciences, 2018, 137, 20-29.	1.1	7
70	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
71	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
72	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

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73	Molecular pathophysiology of neurodegenerative disease caused by Î³PKC mutations. World Journal of Biological Psychiatry, 2011, 12, 95-98.	1.3	6
74	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
75	Na+, K+-ATPase dysfunction causes cerebrovascular endothelial cell degeneration in rat prefrontal cortex slice cultures. Brain Research, 2016, 1644, 249-257.	1.1	5
76	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
77	Nicotine promotes angiogenesis in mouse brain after intracerebral hemorrhage. Neuroscience Research, 2021, 170, 284-294.	1.0	5
78	Therapeutic potential of d-cysteine against in vitro and in vivo models of spinocerebellar ataxia. Experimental Neurology, 2021, 343, 113791.	2.0	5
79	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
80	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
81	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
82	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
83	A Nurr1 ligand C-DIM12 attenuates brain inflammation and improves functional recovery after intracerebral hemorrhage in mice. Scientific Reports, 2022, 12, .	1.6	3
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	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
86	Mammalian microautophagy: mechanism and roles in disease. , 2022, , 385-397.		0
87	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