Shuji Kaneko

List of Publications by Year
in descending order

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214 papers	7,891 citations	43973 48 h-index	69108 77 g-index
232 all docs	232 docs citations	232 times ranked	8754 citing authors

#	Article	IF	Citations
1	TRPM2-mediated Ca2+ influx induces chemokine production in monocytes that aggravates inflammatory neutrophil infiltration. Nature Medicine, 2008, 14, 738-747.	15.2	526
2	TRPA1 underlies a sensing mechanism for O2. Nature Chemical Biology, 2011, 7, 701-711.	3.9	235
3	Noradrenergic inhibition of the release of substance P from the primary afferents in the rabbit spinal dorsal horn. Brain Research, 1985, 359, 177-182.	1.1	230
4	Cloning and expression of a cDNA for the rat k -opioid receptor. FEBS Letters, 1993, 329, 291-295.	1.3	218
5	Nicotinic Acetylcholine Receptor-Mediated Neuroprotection by Donepezil Against Glutamate Neurotoxicity in Rat Cortical Neurons. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 772-777.	1.3	194
6	A Critical Role of TRPM2 in Neuronal Cell Death by Hydrogen Peroxide. Journal of Pharmacological Sciences, 2006, 101, 66-76.	1.1	185
7	TRPM2 Contributes to Inflammatory and Neuropathic Pain through the Aggravation of Pronociceptive Inflammatory Responses in Mice. Journal of Neuroscience, 2012, 32, 3931-3941.	1.7	181
8	Acute Cold Hypersensitivity Characteristically Induced by Oxaliplatin is Caused by the Enhanced Responsiveness of TRPA1 in Mice. Molecular Pain, 2012, 8, 1744-8069-8-55.	1.0	154
9	Prostaglandin E2 protects cultured cortical neurons against N-methyl-d-aspartate receptor-mediated glutamate cytotoxicity. Brain Research, 1994, 663, 237-243.	1.1	139
10	Reactive Oxygen Species Derived from NOX1/NADPH Oxidase Enhance Inflammatory Pain. Journal of Neuroscience, 2008, 28, 9486-9494.	1.7	135
11	Human Sodium Phosphate Transporter 4 (hNPT4/SLC17A3) as a Common Renal Secretory Pathway for Drugs and Urate. Journal of Biological Chemistry, 2010, 285, 35123-35132.	1.6	128
12	Î±-Tocotrienol provides the most potent neuroprotection among vitamin E analogs on cultured striatal neurons. Neuropharmacology, 2004, 47, 904-915.	2.0	121
13	TRPM2 Channel Aggravates CNS Inflammation and Cognitive Impairment via Activation of Microglia in Chronic Cerebral Hypoperfusion. Journal of Neuroscience, 2018, 38, 3520-3533.	1.7	102
14	Control of Intermale Aggression by Medial Prefrontal Cortex Activation in the Mouse. PLoS ONE, 2014, 9, e94657.	1.1	99
15	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surfaceâ€Engineered Plasmonic Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 11725-11729.	7.2	96
16	BDNF prevents NO mediated glutamate cytotoxicity in cultured cortical neurons. Brain Research, 1997, 756, 200-204.	1.1	88
17	Spinal Astrocytes as Therapeutic Targets for Pathological Pain. Journal of Pharmacological Sciences, 2010, 114, 347-353.	1.1	87
18	Inositol phosphate formation and chloride current responses induced by acetylcholine and serotonin through GTP-binding proteins in Xenopus oocyte after injection of rat brain messenger RNA. Molecular Brain Research, 1987, 2, 113-123.	2.5	86

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19	Activation of mitochondrial transient receptor potential vanilloid 1 channel contributes to microglial migration. Glia, 2015, 63, 1870-1882.	2.5	85
20	Biochemical changes related to aging in the senescence-accelerated mouse. Experimental Gerontology, 1989, 24, 49-55.	1.2	83
21	Cold sensitivity of TRPA1 is unveiled by the prolyl hydroxylation blockade-induced sensitization to ROS. Nature Communications, 2016, 7, 12840.	5.8	83
22	TRPV1 stimulation triggers apoptotic cell death of rat cortical neurons. Biochemical and Biophysical Research Communications, 2008, 377, 1211-1215.	1.0	82
23	Transient Receptor Potential Canonical 3 (TRPC3) Mediates Thrombin-Induced Astrocyte Activation and Upregulates Its Own Expression in Cortical Astrocytes. Journal of Neuroscience, 2010, 30, 13116-13129.	1.7	80
24	p75-mediated neuroprotection by NGF against glutamate cytotoxicity in cortical cultures. Brain Research, 2000, 852, 279-289.	1.1	79
25	Raphe AMPA receptors and nicotinic acetylcholine receptors mediate ketamine-induced serotonin release in the rat prefrontal cortex. International Journal of Neuropsychopharmacology, 2014, 17, 1321-1326.	1.0	76
26	Gene Transfer of GLT-1, a Glial Glutamate Transporter, into the Spinal cord by Recombinant Adenovirus Attenuates Inflammatory and Neuropathic Pain in Rats. Molecular Pain, 2008, 4, 1744-8069-4-65.	1.0	75
27	Stimulation of transient receptor potential vanilloid 4 channel suppresses abnormal activation of microglia induced by lipopolysaccharide. Glia, 2012, 60, 761-770.	2.5	72
28	Identification and Characterization of Novel Human Cav2.2 (Î±1B) Calcium Channel Variants Lacking the Synaptic Protein Interaction Site. Journal of Neuroscience, 2002, 22, 82-92.	1.7	70
29	Gene transfer of GLT-1, a glutamate transporter, into the nucleus accumbens shell attenuates methamphetamine- and morphine-induced conditioned place preference in rats. European Journal of Neuroscience, 2005, 22, 2744-2754.	1.2	70
30	Separate mechanisms of long-term potentiation in two input systems to CA3 pyramidal neurons of rat hippocampal slices as revealed by the whole-cell patch-clamp technique. Neuroscience Research, 1991, 12, 393-402.	1.0	69
31	Neuroprotective effects of Î±-tocopherol on oxidative stress in rat striatal cultures. European Journal of Pharmacology, 2003, 465, 15-22.	1.7	65
32	Activation of the Î²-Adrenoceptorâ€“Protein Kinase A Signaling Pathway within the Ventral Bed Nucleus of the Stria Terminalis Mediates the Negative Affective Component of Pain in Rats. Journal of Neuroscience, 2008, 28, 7728-7736.	1.7	65
33	Taxanes and platinum derivatives impair Schwann cells via distinct mechanisms. Scientific Reports, 2017, 7, 5947.	1.6	65
34	Dibutyryl cyclic AMP induces differentiation of human neuroblastoma SH-SY5Y cells into a noradrenergic phenotype. Neuroscience Letters, 2008, 443, 199-203.	1.0	62
35	Evaluation of dynamic tumour tracking radiotherapy with real-time monitoring for lung tumours using a gimbal mounted linac. Radiotherapy and Oncology, 2014, 112, 360-364.	0.3	62
36	Apoptotic DNA fragmentation and upregulation of Bax induced by transient ischemia of the rat retina. Brain Research, 1999, 815, 11-20.	1.1	61

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37	Mechanisms of oxygen glucose deprivation-induced glutamate release from cerebrocortical slice cultures. Neuroscience Research, 2004, 50, 179-187.	1.0	61
38	Somatostatin augments long-term potentiation of the mossy fiber-CA3 system in guinea-pig hippocampal slices. Brain Research, 1991, 553, 188-194.	1.1	60
39	Transient Receptor Potential Canonical 3 Inhibitor Pyr3 Improves Outcomes and Attenuates Astrogliosis After Intracerebral Hemorrhage in Mice. Stroke, 2013, 44, 1981-1987.	1.0	60
40	Manipulation of dorsal raphe serotonergic neurons modulates active coping to inescapable stress and anxiety-related behaviors in mice and rats. Neuropsychopharmacology, 2019, 44, 721-732.	2.8	59
41	TRPM2 contributes to LPS/IFNÎ³-induced production of nitric oxide via the p38/JNK pathway in microglia. Biochemical and Biophysical Research Communications, 2014, 444, 212-217.	1.0	58
42	Activation of Inositol 1,4,5-Trisphosphate Receptor Is Essential for the Opening of Mouse TRP5 Channels. Molecular Pharmacology, 2001, 60, 989-998.	1.0	57
43	Antagonism of NMDA receptors by Ïƒ receptor ligands attenuates chemical ischemia-induced neuronal death in vitro. European Journal of Pharmacology, 2002, 455, 91-100.	1.7	57
44	Isolation of a diterpenoid substance with potent neuroprotective activity from fetal calf serum. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3288-3293.	3.3	53
45	Involvement of the bed nucleus of the stria terminalis in the negative affective component of visceral and somatic pain in rats. Behavioural Brain Research, 2007, 176, 367-371.	1.2	53
46	Intracellular Ca2+ store-operated influx of Ca2+ through TRP-R, a rat homolog of TRP, expressed in Xenopus oocytes. Neuroscience Letters, 1998, 248, 195-198.	1.0	52
47	The ataxic groggy rat has a missense mutation in the P/Q-type voltage-gated Ca2+ channel Î±1A subunit gene and exhibits absence seizures. Brain Research, 2007, 1133, 168-177.	1.1	51
48	Inhibition of TRPC5 channels by Ca2+-binding protein 1 in Xenopus oocytes. Pflugers Archiv European Journal of Physiology, 2005, 450, 345-354.	1.3	50
49	Involvement of NOX1/NADPH Oxidase in Morphine-Induced Analgesia and Tolerance. Journal of Neuroscience, 2011, 31, 18094-18103.	1.7	49
50	Role of the 5-HT4 receptor in chronic fluoxetine treatment-induced neurogenic activity and granule cell dematuration in the dentate gyrus. Molecular Brain, 2015, 8, 29.	1.3	49
51	Depletion of Intracellular Glutathione Increases Susceptibility to Nitric Oxide in Mesencephalic Dopaminergic Neurons. Journal of Neurochemistry, 2002, 73, 1696-1703.	2.1	48
52	Inhibitory influence via 5-HT3 receptors on the induction of LTP in mossy fiber-CA3 system of guinea-pig hippocampal slices. Neuroscience Research, 1994, 18, 277-282.	1.0	47
53	Galanin inhibits long-term potentiation at Schaffer collateral-CA1 synapses in guinea-pig hippocampal slices. Neuroscience Letters, 1996, 212, 21-24.	1.0	47
54	Involvement of TRPM2 in Peripheral Nerve Injury-Induced Infiltration of Peripheral Immune Cells into the Spinal Cord in Mouse Neuropathic Pain Model. PLoS ONE, 2013, 8, e66410.	1.1	47

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55	Dopamine is involved in selectivity of dopaminergic neuronal death by rotenone. NeuroReport, 2003, 14, 2425-2428.	0.6	46
56	Prevention of antipsychotic-induced hyperglycaemia by vitamin D: a data mining prediction followed by experimental exploration of the molecular mechanism. Scientific Reports, 2016, 6, 26375.	1.6	45
57	Mechanisms of substrate transportâ€induced clustering of a glial glutamate transporter GLTâ€1 in astroglialâ€“neuronal cultures. European Journal of Neuroscience, 2008, 28, 1719-1730.	1.2	44
58	Lipopolysaccharideâ€induced dopaminergic cell death in rat midbrain slice cultures: role of inducible nitric oxide synthase and protection by indomethacin. Journal of Neurochemistry, 2003, 86, 1201-1212.	2.1	43
59	Neuropsychotoxicity of Abused Drugs: Molecular and Neural Mechanisms of Neuropsychotoxicity Induced by Methamphetamine, 3,4-Methylenedioxymethamphetamine (Ecstasy), and 5-Methoxy-N,N-diisopropyltryptamine (Foxy). Journal of Pharmacological Sciences, 2008, 106, 2-8.	1.1	43
60	Prediction of pharmacological activities from chemical structures with graph convolutional neural networks. Scientific Reports, 2021, 11, 525.	1.6	41
61	Ïƒ Receptor ligands attenuate N-methyl-d-aspartate cytotoxicity in dopaminergic neurons of mesencephalic slice cultures. European Journal of Pharmacology, 2000, 388, 139-146.	1.7	40
62	Involvement of M2 receptor in an enhancement of long-term potentiation by carbachol in Schaffer collateral-CA1 synapses of hippocampal slices. Neuroscience Research, 1997, 27, 175-180.	1.0	39
63	Heterologous Expression of a Mammalian ABC Transporter in Plant and its Application to Phytoremediation. Plant Molecular Biology, 2006, 61, 491-503.	2.0	37
64	Roles of Transient Receptor Potential Ankyrin 1 in Oxaliplatin-Induced Peripheral Neuropathy. Biological and Pharmaceutical Bulletin, 2017, 40, 947-953.	0.6	37
65	Pregnenolone sulphate attenuates AMPA cytotoxicity on rat cortical neurons. European Journal of Neuroscience, 2005, 21, 2329-2335.	1.2	36
66	The use of Xenopus oocytes to evaluate drugs affecting brain Ca2+ channels: effects of bifemelane and several nootropic agents. European Journal of Pharmacology, 1990, 189, 51-58.	2.7	35
67	Role of enhanced noradrenergic transmission within the ventral bed nucleus of the stria terminalis in visceral pain-induced aversion in rats. Behavioural Brain Research, 2009, 197, 279-283.	1.2	35
68	Hypoxia-induced sensitisation of TRPA1 in painful dysesthesia evoked by transient hindlimb ischemia/reperfusion in mice. Scientific Reports, 2016, 6, 23261.	1.6	35
69	SLC1 Glutamate Transporters and Diseases: Psychiatric Diseases and Pathological Pain. Current Molecular Pharmacology, 2013, 6, 66-73.	0.7	35
70	Inhibition of glutamatergic transmission by morphine in the basolateral amygdaloid nucleus reduces pain-induced aversion. Neuroscience Research, 2007, 59, 199-204.	1.0	34
71	Repeated Exposure to Methamphetamine, Cocaine or Morphine Induces Augmentation of Dopamine Release in Rat Mesocorticolimbic Slice Co-Cultures. PLoS ONE, 2011, 6, e24865.	1.1	34
72	Distinct action of the Î±-glucosidase inhibitor miglitol on SGLT3, enteroendocrine cells, and GLP1 secretion. Journal of Endocrinology, 2015, 224, 205-214.	1.2	32

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73	Sphingosine-1-phosphate induces Ca²⁺signaling and CXCL1 release via TRPC6 channel in astrocytes. Glia, 2017, 65, 1005-1016.	2.5	32
74	Effects of B vitamins on glutamate-induced neurotoxicity in retinal cultures. European Journal of Pharmacology, 1997, 322, 259-264.	1.7	31
75	Kcna1-mutant rats dominantly display myokymia, neuromyotonia and spontaneous epileptic seizures. Brain Research, 2012, 1435, 154-166.	1.1	31
76	Involvement of TRPM2 in a wide range of inflammatory and neuropathic pain mouse models. Journal of Pharmacological Sciences, 2015, 127, 237-243.	1.1	31
77	Possible coupling of prostaglandin E receptor EP1 to TRP5 expressed in Xenopus laevis oocytes. Biochemical and Biophysical Research Communications, 2002, 298, 398-402.	1.0	30
78	Ca2+ channel inhibition by K opioid receptors expressed in Xenopus oocytes. NeuroReport, 1994, 5, 2506-2508.	0.6	29
79	Binding of GÎ±o N Terminus Is Responsible for the Voltage-resistant Inhibition of Î±1A (P/Q-type, Cav2.1) Ca2+ Channels. Journal of Biological Chemistry, 2001, 276, 28731-28738.	1.6	29
80	A Novel Mouse Model of Chronic Inflammatory and Overactive Bladder by a Single Intravesical Injection of Hydrogen Peroxide. Journal of Pharmacological Sciences, 2013, 121, 327-337.	1.1	29
81	A pathophysiological role of TRPV1 in ischemic injury after transient focal cerebral ischemia in mice. Biochemical and Biophysical Research Communications, 2015, 467, 478-483.	1.0	29
82	TRPM2 Exacerbates Central Nervous System Inflammation in Experimental Autoimmune Encephalomyelitis by Increasing Production of CXCL2 Chemokines. Journal of Neuroscience, 2018, 38, 8484-8495.	1.7	29
83	The Role of Dorsal Raphe Serotonin Neurons in the Balance between Reward and Aversion. International Journal of Molecular Sciences, 2020, 21, 2160.	1.8	29
84	Involvement of direct inhibition of NMDA receptors in the effects of Ïƒ-receptor ligands on glutamate neurotoxicity in vitro. European Journal of Pharmacology, 2000, 404, 41-48.	1.7	28
85	Glutamatergic neurons in the medial prefrontal cortex mediate the formation and retrieval of cocaineâ€associated memories in mice. Addiction Biology, 2020, 25, e12723.	1.4	28
86	GTP-binding proteins Gi and Go transplanted onto Xenopus oocyte by rat brain messenger RNA. Molecular Brain Research, 1987, 3, 11-19.	2.5	27
87	Motor vehicle collisions caused by the â€˜super-strengthâ€™ synthetic cannabinoids, MAM-2201, 5F-PB-22, 5F-AB-PINACA, 5F-AMB and 5F-ADB in Japan experienced from 2012 to 2014. Forensic Toxicology, 2017, 35, 244-251.	1.4	27
88	Claustrum mediates bidirectional and reversible control of stress-induced anxiety responses. Science Advances, 2022, 8, eabi6375.	4.7	27
89	Phorbol Ester Inhibition of Current Responses and Simultaneous Protein Phosphorylation in Xenopus Oocyte Injected with Brain mRNA. Journal of Neurochemistry, 1988, 50, 766-773.	2.1	26
90	Effects of several cerebroprotective drugs on NMDA channel function: evaluation using Xenopus oocytes and [3H]MK-801 binding. European Journal of Pharmacology, 1991, 207, 119-128.	2.7	26

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91	Bidirectional modulation of long-term potentiation by carbachol via M1 and M2 muscarinic receptors in guinea pig hippocampal mossy fiber-CA3 synapses. Brain Research, 1993, 619, 324-330.	1.1	26
92	Serofendic acid prevents acute glutamate neurotoxicity in cultured cortical neurons. European Journal of Pharmacology, 2003, 477, 195-203.	1.7	26
93	Characterization of the Tritium-Labeled Analog of L-threo-Î²-Benzyloxyaspartate Binding to Glutamate Transporters. Molecular Pharmacology, 2007, 71, 294-302.	1.0	26
94	A facilitatory role of endogenous somatostatin in long-term potentiation of the mossy fiber-CA3 system in guinea-pig hippocampus. Neuroscience Letters, 1991, 129, 177-180.	1.0	25
95	Mobilization of intracellular Ca2+ and stimulation of cyclic AMP production by Îº opioid receptors expressed in Xenopus oocytes. Molecular Brain Research, 1994, 27, 258-264.	2.5	25
96	Patch sensor detection of glutamate release evoked by a single electrical shock. Neuron, 1995, 15, 253-257.	3.8	25
97	Superoxide dismutase activity in organotypic midbrain-striatum co-cultures is associated with resistance of dopaminergic neurons to excitotoxicity. Journal of Neurochemistry, 2001, 76, 1336-1345.	2.1	25
98	Ketamine-Induced Prefrontal Serotonin Release Is Mediated by Cholinergic Neurons in the Pedunculopontine Tegmental Nucleus. International Journal of Neuropsychopharmacology, 2018, 21, 305-310.	1.0	25
99	Cognitive enhancers and hippocampal long-term potentiation in vitro. Behavioural Brain Research, 1997, 83, 45-49.	1.2	24
100	Serofendic acid, a neuroprotective substance derived from fetal calf serum, inhibits mitochondrial membrane depolarization and caspase-3 activation. European Journal of Pharmacology, 2006, 542, 69-76.	1.7	23
101	Ca²⁺ mobilization mediated by transient receptor potential canonical 3 is associated with thrombinâ€induced morphological changes in 1321N1 human astrocytoma cells. Journal of Neuroscience Research, 2008, 86, 2722-2732.	1.3	23
102	Effects of the synthetic cannabinoid 5F-AMB on anxiety and recognition memory in mice. Psychopharmacology, 2019, 236, 2235-2242.	1.5	23
103	The characteristic response of domestic cats to plant iridoids allows them to gain chemical defense against mosquitoes. Science Advances, 2021, 7, .	4.7	23
104	Cyclic AMP facilitates slow-inactivating Ca2+ channel currents expressed by Xenopus oocyte after injection of rat brain mRNA. Neuroscience Letters, 1987, 83, 123-127.	1.0	22
105	Inhibitory Role of Supraspinal P2X3/P2X2/3Subtypes on Nociception in Rats. Molecular Pain, 2006, 2, 1744-8069-2-19.	1.0	22
106	Pharmacological Characterization of Standard Analgesics on Oxaliplatin-Induced Acute Cold Hypersensitivity in Mice. Journal of Pharmacological Sciences, 2014, 124, 514-517.	1.1	22
107	TRPA1 sensitization during diabetic vascular impairment contributes to cold hypersensitivity in a mouse model of painful diabetic peripheral neuropathy. Molecular Pain, 2018, 14, 174480691878981.	1.0	22
108	Inhalation Administration of Valerena-4,7(11)-diene from <i>Nardostachys chinensis</i> Roots Ameliorates Restraint Stress-Induced Changes in Murine Behavior and Stress-Related Factors. Biological and Pharmaceutical Bulletin, 2014, 37, 1050-1055.	0.6	21

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109	Distinct Mechanism of Cysteine Oxidation-Dependent Activation and Cold Sensitization of Human Transient Receptor Potential Ankyrin 1 Channel by High and Low Oxaliplatin. Frontiers in Physiology, 2017, 8, 878.	1.3	21
110	Cyclic AMP-dependent modulation of N- and Q-type Ca2+ channels expressed in Xenopus oocytes. Neuroscience Letters, 1996, 217, 13-16.	1.0	20
111	Direct evidence for increase in excitatory amino acids release during mossy fiber LTP in rat hippocampal slices as revealed by the patch sensor methods. Neuroscience Letters, 1997, 224, 103-106.	1.0	20
112	Receptor-Mediated Modulation of Voltage-Dependent Ca2+ Channels via Heterotrimeric G-proteins in Neurons.. The Japanese Journal of Pharmacology, 1999, 81, 324-331.	1.2	20
113	Preventive and Alleviative Effect of Tramadol on Neuropathic Pain in Rats: Roles of Î±2-Adrenoceptors and Spinal Astrocytes. Journal of Pharmacological Sciences, 2014, 124, 244-257.	1.1	20
114	Depletion of microglia ameliorates white matter injury and cognitive impairment in a mouse chronic cerebral hypoperfusion model. Biochemical and Biophysical Research Communications, 2019, 514, 1040-1044.	1.0	20
115	Metabotropic responses to acetylcholine and serotonin ofXenopusoocytes injected with rat brain mRNA are transduced by different G-protein subtypes. FEBS Letters, 1992, 299, 179-182.	1.3	19
116	Regulation of N-methyl-d-aspartate cytotoxicity by neuroactive steroids in rat cortical neurons. European Journal of Pharmacology, 2002, 454, 165-175.	1.7	19
117	Identification of a Novel Planarian G-Protein-Coupled Receptor That Responds to Serotonin in Xenopus laevis Oocytes. Biological and Pharmaceutical Bulletin, 2009, 32, 1672-1677.	0.6	19
118	Tremor dominant Kyoto (Trdk) rats carry a missense mutation in the gene encoding the SK2 subunit of small-conductance Ca 2+ -activated K + channel. Brain Research, 2017, 1676, 38-45.	1.1	19
119	Pathophysiological Role of Transient Receptor Potential Ankyrin 1 in a Mouse Long-Lasting Cystitis Model Induced by an Intravesical Injection of Hydrogen Peroxide. Frontiers in Physiology, 2017, 8, 877.	1.3	19
120	TRPV4 is functionally expressed in oligodendrocyte precursor cells and increases their proliferation. Pflugers Archiv European Journal of Physiology, 2018, 470, 705-716.	1.3	19
121	Protective effects of Nrf2â€“ARE activator on dopaminergic neuronal loss in Parkinson disease model mice: Possible involvement of heme oxygenase-1. Neuroscience Letters, 2020, 736, 135268.	1.0	19
122	Roles of endogenous cholinergic neurons in the induction of long-term potentiation at hippocampal mossy fiber synapses. Neuroscience Research, 1994, 20, 71-78.	1.0	18
123	An Adenosine A_{2A}Receptor Antagonist Improves Multiple Symptoms of Repeated Quinpirole-Induced Psychosis. ENeuro, 2019, 6, ENEURO.0366-18.2019.	0.9	18
124	Ether Extract of Fetal Calf Serum Protects Cultured Rat Cortical Neurons against Glutamate Cytotoxicity.. The Japanese Journal of Pharmacology, 1997, 73, 371-374.	1.2	17
125	Requirement of neural activity for the maintenance of dopaminergic neurons in rat midbrain slice cultures. Neuroscience Letters, 2001, 300, 166-170.	1.0	17
126	Olanzapine augments the effect of selective serotonin reuptake inhibitors by suppressing GABAergic inhibition via antagonism of 5-HT6 receptors in the dorsal raphe nucleus. Neuropharmacology, 2015, 95, 261-268.	2.0	17

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127	Chronic antidepressant potentiates spontaneous activity of dorsal raphe serotonergic neurons by decreasing GABAB receptor-mediated inhibition of L-type calcium channels. Scientific Reports, 2017, 7, 13609.	1.6	17
128	Colchicine alleviates acute postoperative pain but delays wound repair in mice: Roles of neutrophils and macrophages. Molecular Pain, 2017, 13, 174480691774368.	1.0	17
129	Competent Route to Unsymmetric Dimer Architectures: Total Syntheses of (â˜)â€Lycodine and (â˜)â€Complanadinesâ€…A and B, and Evaluation of Their Neurite Outgrowth Activities. Chemistry - A European Journal, 2017, 23, 802-812.	1.7	17
130	TheCrotalaria junceametal transporter CjNRAMP1 has a high Fe uptake activity, even in an environment with high Cd contamination. International Journal of Phytoremediation, 2018, 20, 1427-1437.	1.7	17
131	Habenular lesion attenuates methamphetamine-induced inhibition of dopamine neuronal activity in the substantia nigra pars compacta of rats. Neuroscience Letters, 1988, 86, 67-71.	1.0	16
132	Augmentation of serotonin release by sustained exposure to MDMA and methamphetamine in rat organotypic mesencephalic slice cultures containing raphe serotonergic neurons. Journal of Neurochemistry, 2008, 106, 2410-2420.	2.1	16
133	Development of a fourâ€axis moving phantom for patientâ€specific QA of surrogate signalâ€based tracking IMRT. Medical Physics, 2016, 43, 6364-6374.	1.6	16
134	Sequential PET estimation of cerebral oxygen metabolism with spontaneous respiration of¹⁵O-gas in mice with bilateral common carotid artery stenosis. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3334-3343.	2.4	16
135	Adenosine 5â€²-triphosphate inhibits slow depolarization induced by repetitive dorsal root stimulation via P2Y purinoceptors in substantia gelatinosa neurons of the adult rat spinal cord slices with the dorsal root attached. Neuroscience Letters, 2002, 320, 121-124.	1.0	15
136	Attenuated lipopolysaccharide-induced inflammatory bladder hypersensitivity in mice deficient of transient receptor potential ankilin1. Scientific Reports, 2018, 8, 15622.	1.6	15
137	The impact of mouse strain-specific spatial and temporal immune responses on the progression of neuropathic pain. Brain, Behavior, and Immunity, 2018, 74, 121-132.	2.0	15
138	Activation of GABAergic Neurons in the Nucleus Accumbens Mediates the Expression of Cocaine-Associated Memory. Biological and Pharmaceutical Bulletin, 2018, 41, 1084-1088.	0.6	15
139	Drug Repositioning and Target Finding Based on Clinical Evidence. Biological and Pharmaceutical Bulletin, 2020, 43, 362-365.	0.6	15
140	Purification and identification of endogenous anti-opioid substances from bovine brain. Biochemical and Biophysical Research Communications, 1985, 126, 587-593.	1.0	13
141	Inhibition of Ca2+ channel current by Î¼- and Î´-opioid receptors coexpressed in Xenopus oocytes: desensitization dependence on Ca2+ channel Î± 1 subunits. British Journal of Pharmacology, 1997, 121, 806-812.	2.7	13
142	Utility of organotypic raphe slice cultures to investigate the effects of sustained exposure to selective 5â€HT reuptake inhibitors on 5â€HT release. British Journal of Pharmacology, 2010, 161, 1527-1541.	2.7	13
143	Chronic effects of antidepressants on serotonin release in rat raphe slice cultures: high potency of milnacipran in the augmentation of serotonin release. International Journal of Neuropsychopharmacology, 2013, 16, 2295-2306.	1.0	12
144	A new designer drug 5F-ADB activates midbrain dopaminergic neurons but not serotonergic neurons. Journal of Toxicological Sciences, 2016, 41, 813-816.	0.7	12

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145	Pathophysiological Role of TRPM2 in Age-Related Cognitive Impairment in Mice. Neuroscience, 2019, 408, 204-213.	1.1	12
146	Acute restraint stress augments the rewarding memory of cocaine through activation of Î±1 adrenoceptors in the medial prefrontal cortex of mice. Neuropharmacology, 2020, 166, 107968.	2.0	12
147	Involvement of postsynaptic G proteins in hippocampal long-term potentiation. Brain Research, 1992, 581, 108-114.	1.1	11
148	Involvement of Postsynaptic G-proteins in Hippocampal Long-Term Potentiation. Reviews in the Neurosciences, 1994, 5, 1-10.	1.4	11
149	Long-lasting pain-related behaviors in mouse chronic cystitis model induced by a single intravesical injection of hydrogen peroxide. Journal of Pharmacological Sciences, 2015, 129, 244-246.	1.1	11
150	A rat longâ€lasting cystitis model induced by intravesical injection of hydrogen peroxide. Physiological Reports, 2017, 5, e13127.	0.7	11
151	N-Methyl-d-aspartate receptors contribute to the maintenance of dopaminergic neurons in rat midbrain slice cultures. Neuroscience Letters, 2003, 341, 123-126.	1.0	10
152	Aminoglutethimide prevents excitotoxic and ischemic injuries in cortical neurons. British Journal of Pharmacology, 2006, 147, 729-736.	2.7	10
153	Calumin, a Ca2+-binding protein on the endoplasmic reticulum, alters the ion permeability of Ca2+ release-activated Ca2+ (CRAC) channels. Biochemical and Biophysical Research Communications, 2012, 417, 784-789.	1.0	10
154	Geometric and dosimetric accuracy of dynamic tumorâ€tracking conformal arc irradiation with a gimbaled xâ€ray head. Medical Physics, 2014, 41, 031705.	1.6	10
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156	Striatal TRPV1 activation by acetaminophen ameliorates dopamine D2 receptor antagonistâ€“induced orofacial dyskinesia. JCI Insight, 2021, 6, .	2.3	10
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