

Shuji Kaneko

List of Publications by Year in descending order

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214
papers

7,891
citations

44069
48
h-index

69250
77
g-index

232
all docs

232
docs citations

232
times ranked

8754
citing authors

#	ARTICLE	IF	CITATIONS
1	A selective serotonin reuptake inhibitor ameliorates obsessive-compulsive disorder-like perseverative behavior by attenuating 5-HT _{2C} receptor signaling in the orbitofrontal cortex. <i>Neuropharmacology</i> , 2022, 206, 108926.	4.1	3
2	Characterization of Radioiodinated Diaryl Oxadiazole Derivatives as SPECT Probes for Detection of Myelin in Multiple Sclerosis. <i>ACS Chemical Neuroscience</i> , 2022, 13, 363-369.	3.5	2
3	Clastrum mediates bidirectional and reversible control of stress-induced anxiety responses. <i>Science Advances</i> , 2022, 8, eabi6375.	10.3	27
4	Orai2 channel regulates prostaglandin E_{2} production in $TNF\pm/IL1\pm$ -stimulated astrocytes. <i>Glia</i> , 2022, 70, 1666-1680.	4.9	5
5	Lacking transient receptor potential melastatin ₂ attenuates lipopolysaccharide-induced bladder inflammation and its associated hypersensitivity in mice. <i>International Journal of Urology</i> , 2021, 28, 107-114.	1.0	1
6	Prediction of pharmacological activities from chemical structures with graph convolutional neural networks. <i>Scientific Reports</i> , 2021, 11, 525.	3.3	41
7	The characteristic response of domestic cats to plant iridoids allows them to gain chemical defense against mosquitoes. <i>Science Advances</i> , 2021, 7, .	10.3	23
8	Transient Receptor Potential Melastatin 3 Is Functionally Expressed in Oligodendrocyte Precursor Cells and Is Upregulated in Ischemic Demyelinated Lesions. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 181-187.	1.4	2
9	NOX1/NADPH Oxidase Promotes Synaptic Facilitation Induced by Repeated D ₂ Receptor Stimulation: Involvement in Behavioral Repetition. <i>Journal of Neuroscience</i> , 2021, 41, 2780-2794.	3.6	5
10	3. Drug Repositioning and Novel Therapeutic Target Search Based on Clinical Evidence. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2021, 52, 50-50.	0.1	0
11	Striatal TRPV1 activation by acetaminophen ameliorates dopamine D ₂ receptor antagonist-induced orofacial dyskinesia. <i>JCI Insight</i> , 2021, 6, .	5.0	10
12	MrgprB4 in trigeminal neurons expressing TRPA1 modulates unpleasant sensations. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 200-205.	2.5	5
13	Drug Repurposing Prediction and Validation From Clinical Big Data for the Effective Treatment of Interstitial Lung Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 635293.	3.5	8
14	Secreted PLA ₂ -III is a possible therapeutic target to treat neuropathic pain. <i>Biochemical and Biophysical Research Communications</i> , 2021, 568, 167-173.	2.1	7
15	Glutamatergic neurons in the medial prefrontal cortex mediate the formation and retrieval of cocaine-associated memories in mice. <i>Addiction Biology</i> , 2020, 25, e12723.	2.6	28
16	Transient receptor potential vanilloid 4 agonist GSK1016790A improves neurological outcomes after intracerebral hemorrhage in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 590-595.	2.1	5
17	Protective effects of Nrf2-ARE activator on dopaminergic neuronal loss in Parkinson disease model mice: Possible involvement of heme oxygenase-1. <i>Neuroscience Letters</i> , 2020, 736, 135268.	2.1	19
18	Synthesis and biological evaluation of radioiodinated 3-phenylcoumarin derivatives targeting myelin in multiple sclerosis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127562.	2.2	5

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19	Allodynia by Splenocytes From Mice With Acid-Induced Fibromyalgia-Like Generalized Pain and Its Sexual Dimorphic Regulation by Brain Microglia. <i>Frontiers in Neuroscience</i> , 2020, 14, 600166.	2.8	5
20	Drug Repositioning and Target Finding Based on Clinical Evidence. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 362-365.	1.4	15
21	Acute restraint stress augments the rewarding memory of cocaine through activation of α_1 adrenoceptors in the medial prefrontal cortex of mice. <i>Neuropharmacology</i> , 2020, 166, 107968.	4.1	12
22	The Role of Dorsal Raphe Serotonin Neurons in the Balance between Reward and Aversion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2160.	4.1	29
23	Drug discovery screening based on epigenetic control of COPD " Benserazide inhibits the prothymosin α -H1 histone interaction. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-LBS-31.	0.0	0
24	An Adenosine A_{2A} Receptor Antagonist Improves Multiple Symptoms of Repeated Quinpirole-Induced Psychosis. <i>ENeuro</i> , 2019, 6, ENEURO.0366-18.2019.	1.9	18
25	Identification of neuron-type specific promoters in monkey genome and their functional validation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 619-624.	2.1	6
26	CRISPR/Cas9-mediated in vivo gene editing reveals that neuronal 5-HT $_{1A}$ receptors in the dorsal raphe nucleus contribute to body temperature regulation in mice. <i>Brain Research</i> , 2019, 1719, 243-252.	2.2	7
27	Depletion of microglia ameliorates white matter injury and cognitive impairment in a mouse chronic cerebral hypoperfusion model. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 1040-1044.	2.1	20
28	Pathophysiological Role of TRPM2 in Age-Related Cognitive Impairment in Mice. <i>Neuroscience</i> , 2019, 408, 204-213.	2.3	12
29	Effects of the synthetic cannabinoid 5F-AMB on anxiety and recognition memory in mice. <i>Psychopharmacology</i> , 2019, 236, 2235-2242.	3.1	23
30	Manipulation of dorsal raphe serotonergic neurons modulates active coping to inescapable stress and anxiety-related behaviors in mice and rats. <i>Neuropsychopharmacology</i> , 2019, 44, 721-732.	5.4	59
31	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. <i>Brain Research</i> , 2019, 1704, 68-77.	2.2	7
32	Myelin Oligodendrocyte Glycoprotein 35-55 (MOG 35-55)-induced Experimental Autoimmune Encephalomyelitis: A Model of Chronic Multiple Sclerosis. <i>Bio-protocol</i> , 2019, 9, e3453.	0.4	6
33	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, 2-P-021.	0.0	0
34	TRPM2 Channel Aggravates CNS Inflammation and Cognitive Impairment via Activation of Microglia in Chronic Cerebral Hypoperfusion. <i>Journal of Neuroscience</i> , 2018, 38, 3520-3533.	3.6	102
35	ONO-8590580, a Novel GABA α_5 Negative Allosteric Modulator Enhances Long-Term Potentiation and Improves Cognitive Deficits in Preclinical Models. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 366, 58-65.	2.5	10
36	Ketamine-Induced Prefrontal Serotonin Release Is Mediated by Cholinergic Neurons in the Pedunculopontine Tegmental Nucleus. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 305-310.	2.1	25

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37	TRPV4 is functionally expressed in oligodendrocyte precursor cells and increases their proliferation. Pflugers Archiv European Journal of Physiology, 2018, 470, 705-716.	2.8	19
38	The <i>Crotalaria juncea</i> metal transporter CjNRAMP1 has a high Fe uptake activity, even in an environment with high Cd contamination. International Journal of Phytoremediation, 2018, 20, 1427-1437.	3.1	17
39	Attenuated lipopolysaccharide-induced inflammatory bladder hypersensitivity in mice deficient of transient receptor potential ankinin1. Scientific Reports, 2018, 8, 15622.	3.3	15
40	TRPM2 Exacerbates Central Nervous System Inflammation in Experimental Autoimmune Encephalomyelitis by Increasing Production of CXCL2 Chemokines. Journal of Neuroscience, 2018, 38, 8484-8495.	3.6	29
41	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.	4.1	15
42	The synthetic cannabinoid 5F-AMB changes the balance between excitation and inhibition of layer V pyramidal neurons in the mouse medial prefrontal cortex. Psychopharmacology, 2018, 235, 2367-2376.	3.1	8
43	TRPA1 sensitization during diabetic vascular impairment contributes to cold hypersensitivity in a mouse model of painful diabetic peripheral neuropathy. Molecular Pain, 2018, 14, 174480691878981.	2.1	22
44	Neurotrophin inhibits neuronal activity through potentiation of sustained Kv currents in primary cultured DRG neurons. Journal of Pharmacological Sciences, 2018, 137, 313-316.	2.5	7
45	Activation of GABAergic Neurons in the Nucleus Accumbens Mediates the Expression of Cocaine-Associated Memory. Biological and Pharmaceutical Bulletin, 2018, 41, 1084-1088.	1.4	15
46	Physiological and Pathophysiological Roles of Transient Receptor Potential Channels in Microglia-Related CNS Inflammatory Diseases. Biological and Pharmaceutical Bulletin, 2018, 41, 1152-1157.	1.4	6
47	Optogenetic manipulation of dorsal raphe serotonergic neurons modulates emotional behaviors in rodents. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-65.	0.0	0
48	An adenosine A _{2A} receptor antagonist, istradefylline, improves multiple symptoms reflecting obsessive-compulsive disorder in a novel murine model. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-84.	0.0	0
49	Macrophage TRPM2 channel plays a critical role in CXCL2-induced neutrophil recruitment and inflammation in the central nervous system of experimental autoimmune encephalomyelitis mouse. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-13.	0.0	0
50	Neurotrophin inhibits neuronal activity through potentiation of sustained Kv currents in primary cultured DRG neurons. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-20.	0.0	0
51	Unveiled cold sensitivity of TRPA1 by the prolyl hydroxylation inhibition-induced sensitization to ROS in oxaliplatin-induced acute peripheral neuropathy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-2-42.	0.0	0
52	Clarifying the mechanism of fluoroquinolone-induced tendinopathy with the combination of data mining and pharmacological experiments. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-3-42.	0.0	0
53	TRPV4 is functionally expressed in oligodendrocyte precursor cells and enhances their proliferation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-107.	0.0	0
54	Role of TRPA1 in ischemia/reperfusion-induced painful dysesthesia and oxaliplatin-induced cold hypersensitivity. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY5-3.	0.0	0

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55	Less potent in the hypnotic effect of benzodiazepine associated with decreased GABAergic transmission in the chronic social defeat stress model mouse. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-48.	0.0	0
56	Sphingosine-1-phosphate induces Ca ²⁺ signaling and CXCL1 release via TRPC6 channel in astrocytes. <i>Glia</i> , 2017, 65, 1005-1016.	4.9	32
57	Chronic antidepressant potentiates spontaneous activity of dorsal raphe serotonergic neurons by decreasing GABAB receptor-mediated inhibition of L-type calcium channels. <i>Scientific Reports</i> , 2017, 7, 13609.	3.3	17
58	Tremor dominant Kyoto (Trdk) rats carry a missense mutation in the gene encoding the SK2 subunit of small-conductance Ca ²⁺ -activated K ⁺ channel. <i>Brain Research</i> , 2017, 1676, 38-45.	2.2	19
59	Taxanes and platinum derivatives impair Schwann cells via distinct mechanisms. <i>Scientific Reports</i> , 2017, 7, 5947.	3.3	65
60	Sequential PET estimation of cerebral oxygen metabolism with spontaneous respiration of ¹⁵ O-gas in mice with bilateral common carotid artery stenosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3334-3343.	4.3	16
61	Colchicine alleviates acute postoperative pain but delays wound repair in mice: Roles of neutrophils and macrophages. <i>Molecular Pain</i> , 2017, 13, 174480691774368.	2.1	17
62	Motor vehicle collisions caused by the "super-strength"™ synthetic cannabinoids, MAM-2201, 5F-PB-22, 5F-AB-PINACA, 5F-AMB and 5F-ADB in Japan experienced from 2012 to 2014. <i>Forensic Toxicology</i> , 2017, 35, 244-251.	2.4	27
63	Competent Route to Unsymmetric Dimer Architectures: Total Syntheses of (âˆ“)â€Łycodine and (âˆ“)â€Łcomplanadinesâ€Ł...A and B, and Evaluation of Their Neurite Outgrowth Activities. <i>Chemistry - A European Journal</i> , 2017, 23, 802-812.	3.3	17
64	Acute drug consumption and motor vehicle collision: A systematic review of 96 cases in Japan 2012-2014. <i>Japanese Journal of Forensic Science and Technology</i> , 2017, 22, 49-59.	0.1	0
65	Pathophysiological Role of Transient Receptor Potential Ankyrin 1 in a Mouse Long-Lasting Cystitis Model Induced by an Intravesical Injection of Hydrogen Peroxide. <i>Frontiers in Physiology</i> , 2017, 8, 877.	2.8	19
66	Distinct Mechanism of Cysteine Oxidation-Dependent Activation and Cold Sensitization of Human Transient Receptor Potential Ankyrin 1 Channel by High and Low Oxaliplatin. <i>Frontiers in Physiology</i> , 2017, 8, 878.	2.8	21
67	Roles of Transient Receptor Potential Ankyrin 1 in Oxaliplatin-Induced Peripheral Neuropathy. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 947-953.	1.4	37
68	A rat long-lasting cystitis model induced by intravesical injection of hydrogen peroxide. <i>Physiological Reports</i> , 2017, 5, e13127.	1.7	11
69	A new designer drug 5F-ADB activates midbrain dopaminergic neurons but not serotonergic neurons. <i>Journal of Toxicological Sciences</i> , 2016, 41, 813-816.	1.5	12
70	Hypoxia-induced sensitization of TRPA1 in painful dysesthesia evoked by transient hindlimb ischemia/reperfusion in mice. <i>Scientific Reports</i> , 2016, 6, 23261.	3.3	35
71	Development of a four-axis moving phantom for patient-specific QA of surrogate signal-based tracking IMRT. <i>Medical Physics</i> , 2016, 43, 6364-6374.	3.0	16
72	Cold sensitivity of TRPA1 is unveiled by the prolyl hydroxylation blockade-induced sensitization to ROS. <i>Nature Communications</i> , 2016, 7, 12840.	12.8	83

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73	Prevention of antipsychotic-induced hyperglycaemia by vitamin D: a data mining prediction followed by experimental exploration of the molecular mechanism. <i>Scientific Reports</i> , 2016, 6, 26375.	3.3	45
74	Sedative effects of inhaled essential oil components of traditional fragrance <i>Pogostemon cablin</i> leaves and their structure-activity relationships. <i>Journal of Traditional and Complementary Medicine</i> , 2016, 6, 140-145.	2.7	7
75	Long-lasting pain-related behaviors in mouse chronic cystitis model induced by a single intravesical injection of hydrogen peroxide. <i>Journal of Pharmacological Sciences</i> , 2015, 129, 244-246.	2.5	11
76	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11725-11729.	13.8	96
77	Activation of mitochondrial transient receptor potential vanilloid 1 channel contributes to microglial migration. <i>Glia</i> , 2015, 63, 1870-1882.	4.9	85
78	Role of the 5-HT ₄ receptor in chronic fluoxetine treatment-induced neurogenic activity and granule cell dematuration in the dentate gyrus. <i>Molecular Brain</i> , 2015, 8, 29.	2.6	49
79	Olanzapine augments the effect of selective serotonin reuptake inhibitors by suppressing GABAergic inhibition via antagonism of 5-HT ₆ receptors in the dorsal raphe nucleus. <i>Neuropharmacology</i> , 2015, 95, 261-268.	4.1	17
80	Involvement of TRPM2 in a wide range of inflammatory and neuropathic pain mouse models. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 237-243.	2.5	31
81	Inhibition of histone deacetylases enhances the function of serotonergic neurons in organotypic raphe slice cultures. <i>Neuroscience Letters</i> , 2015, 593, 72-77.	2.1	7
82	Distinct action of the α -glucosidase inhibitor miglitol on SGLT3, enteroendocrine cells, and GLP1 secretion. <i>Journal of Endocrinology</i> , 2015, 224, 205-214.	2.6	32
83	A pathophysiological role of TRPV1 in ischemic injury after transient focal cerebral ischemia in mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 478-483.	2.1	29
84	Control of Intermale Aggression by Medial Prefrontal Cortex Activation in the Mouse. <i>PLoS ONE</i> , 2014, 9, e94657.	2.5	99
85	Raphe AMPA receptors and nicotinic acetylcholine receptors mediate ketamine-induced serotonin release in the rat prefrontal cortex. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1321-1326.	2.1	76
86	Geometric and dosimetric accuracy of dynamic tumor-tracking conformal arc irradiation with a gimbaled x-ray head. <i>Medical Physics</i> , 2014, 41, 031705.	3.0	10
87	Development of an expanded-field irradiation technique using a gimbaled x-ray head. <i>Medical Physics</i> , 2014, 41, 101706.	3.0	1
88	Preventive and Alleviative Effect of Tramadol on Neuropathic Pain in Rats: Roles of α -2-Adrenoceptors and Spinal Astrocytes. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 244-257.	2.5	20
89	Evaluation of dynamic tumour tracking radiotherapy with real-time monitoring for lung tumours using a gimbal mounted linac. <i>Radiotherapy and Oncology</i> , 2014, 112, 360-364.	0.6	62
90	TRPM2 contributes to LPS/IFN γ -induced production of nitric oxide via the p38/JNK pathway in microglia. <i>Biochemical and Biophysical Research Communications</i> , 2014, 444, 212-217.	2.1	58

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91	Pharmacological Characterization of Standard Analgesics on Oxaliplatin-Induced Acute Cold Hypersensitivity in Mice. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 514-517.	2.5	22
92	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. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1050-1055.	1.4	21
93	Effective concentration-based serum pharmacodynamics for antifungal azoles in a murine model of disseminated <i>Candida albicans</i> infection. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2013, 38, 261-268.	1.6	2
94	Transient Receptor Potential Canonical 3 Inhibitor Pyr3 Improves Outcomes and Attenuates Astrogliosis After Intracerebral Hemorrhage in Mice. <i>Stroke</i> , 2013, 44, 1981-1987.	2.0	60
95	Chronic effects of antidepressants on serotonin release in rat raphe slice cultures: high potency of milnacipran in the augmentation of serotonin release. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 2295-2306.	2.1	12
96	A Novel Mouse Model of Chronic Inflammatory and Overactive Bladder by a Single Intravesical Injection of Hydrogen Peroxide. <i>Journal of Pharmacological Sciences</i> , 2013, 121, 327-337.	2.5	29
97	Involvement of TRPM2 in Peripheral Nerve Injury-Induced Infiltration of Peripheral Immune Cells into the Spinal Cord in Mouse Neuropathic Pain Model. <i>PLoS ONE</i> , 2013, 8, e64410.	2.5	47
98	SLC1 Glutamate Transporters and Diseases: Psychiatric Diseases and Pathological Pain. <i>Current Molecular Pharmacology</i> , 2013, 6, 66-73.	1.5	35
99	TRPM2 Contributes to Inflammatory and Neuropathic Pain through the Aggravation of Pronociceptive Inflammatory Responses in Mice. <i>Journal of Neuroscience</i> , 2012, 32, 3931-3941.	3.6	181
100	Calumin, a Ca ²⁺ -binding protein on the endoplasmic reticulum, alters the ion permeability of Ca ²⁺ release-activated Ca ²⁺ (CRAC) channels. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 784-789.	2.1	10
101	Acute Cold Hypersensitivity Characteristically Induced by Oxaliplatin is Caused by the Enhanced Responsiveness of TRPA1 in Mice. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-55.	2.1	154
102	Stimulation of transient receptor potential vanilloid 4 channel suppresses abnormal activation of microglia induced by lipopolysaccharide. <i>Glia</i> , 2012, 60, 761-770.	4.9	72
103	Kcna1-mutant rats dominantly display myokymia, neuromyotonia and spontaneous epileptic seizures. <i>Brain Research</i> , 2012, 1435, 154-166.	2.2	31
104	TRPA1 underlies a sensing mechanism for O ₂ . <i>Nature Chemical Biology</i> , 2011, 7, 701-711.	8.0	235
105	Repeated Exposure to Methamphetamine, Cocaine or Morphine Induces Augmentation of Dopamine Release in Rat Mesocorticolimbic Slice Co-Cultures. <i>PLoS ONE</i> , 2011, 6, e24865.	2.5	34
106	Involvement of NOX1/NADPH Oxidase in Morphine-Induced Analgesia and Tolerance. <i>Journal of Neuroscience</i> , 2011, 31, 18094-18103.	3.6	49
107	Sustained Exposure to 3,4-Methylenedioxymethamphetamine Induces the Augmentation of Exocytotic Serotonin Release in Rat Organotypic Raphe Slice Cultures. <i>Journal of Pharmacological Sciences</i> , 2010, 113, 197-201.	2.5	9
108	Spinal Astrocytes as Therapeutic Targets for Pathological Pain. <i>Journal of Pharmacological Sciences</i> , 2010, 114, 347-353.	2.5	87

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109	The Involvement of Aldose Reductase in Alterations to Neurotrophin Receptors and Neuronal Cytoskeletal Protein mRNA Levels in the Dorsal Root Ganglion of Streptozotocin-Induced Diabetic Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 67-71.	1.4	9
110	Utility of organotypic raphe slice cultures to investigate the effects of sustained exposure to selective 5-HT reuptake inhibitors on 5-HT release. <i>British Journal of Pharmacology</i> , 2010, 161, 1527-1541.	5.4	13
111	Human Sodium Phosphate Transporter 4 (hNPT4/SLC17A3) as a Common Renal Secretory Pathway for Drugs and Urate. <i>Journal of Biological Chemistry</i> , 2010, 285, 35123-35132.	3.4	128
112	Transient Receptor Potential Canonical 3 (TRPC3) Mediates Thrombin-Induced Astrocyte Activation and Upregulates Its Own Expression in Cortical Astrocytes. <i>Journal of Neuroscience</i> , 2010, 30, 13116-13129.	3.6	80
113	Pathophysiological implication of TRPC1 in thrombin-induced astrocyte activation. <i>Neuroscience Research</i> , 2010, 68, e349.	1.9	0
114	Reciprocal regulation of ATP ³ S ² -induced monocyte chemoattractant protein ¹ production by ERK and p38 MAP kinases in rat corticostriatal slice cultures. <i>Journal of Neuroscience Research</i> , 2009, 87, 1573-1581.	2.9	7
115	Role of enhanced noradrenergic transmission within the ventral bed nucleus of the stria terminalis in visceral pain-induced aversion in rats. <i>Behavioural Brain Research</i> , 2009, 197, 279-283.	2.2	35
116	Identification of a Novel Planarian G-Protein-Coupled Receptor That Responds to Serotonin in <i>Xenopus laevis</i> Oocytes. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1672-1677.	1.4	19
117	Ca ²⁺ mobilization mediated by transient receptor potential canonical 3 is associated with thrombin-induced morphological changes in 1321N1 human astrocytoma cells. <i>Journal of Neuroscience Research</i> , 2008, 86, 2722-2732.	2.9	23
118	Activation of the δ -Adrenoceptor-Protein Kinase A Signaling Pathway within the Ventral Bed Nucleus of the Stria Terminalis Mediates the Negative Affective Component of Pain in Rats. <i>Journal of Neuroscience</i> , 2008, 28, 7728-7736.	3.6	65
119	TRPM2-mediated Ca ²⁺ influx induces chemokine production in monocytes that aggravates inflammatory neutrophil infiltration. <i>Nature Medicine</i> , 2008, 14, 738-747.	30.7	526
120	Augmentation of serotonin release by sustained exposure to MDMA and methamphetamine in rat organotypic mesencephalic slice cultures containing raphe serotonergic neurons. <i>Journal of Neurochemistry</i> , 2008, 106, 2410-2420.	3.9	16
121	Mechanisms of substrate transport-induced clustering of a glial glutamate transporter GLT ¹ in astroglial-neuronal cultures. <i>European Journal of Neuroscience</i> , 2008, 28, 1719-1730.	2.6	44
122	Gene Transfer of GLT-1, a Glial Glutamate Transporter, into the Spinal cord by Recombinant Adenovirus Attenuates Inflammatory and Neuropathic Pain in Rats. <i>Molecular Pain</i> , 2008, 4, 1744-8069-4-65.	2.1	75
123	Dibutyryl cyclic AMP induces differentiation of human neuroblastoma SH-SY5Y cells into a noradrenergic phenotype. <i>Neuroscience Letters</i> , 2008, 443, 199-203.	2.1	62
124	TRPV1 stimulation triggers apoptotic cell death of rat cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 1211-1215.	2.1	82
125	Reactive Oxygen Species Derived from NOX1/NADPH Oxidase Enhance Inflammatory Pain. <i>Journal of Neuroscience</i> , 2008, 28, 9486-9494.	3.6	135
126	Neuropsychotoxicity of Abused Drugs: Clinical and Basic Research and Drug Development: Preface. <i>Journal of Pharmacological Sciences</i> , 2008, 106, 1.	2.5	1

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127	Differential Contribution of Spinal Mitogen-Activated Protein Kinases to the Phase of Long-Lasting Allodynia Evoked by Intrathecal Administration of ATP in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1164-1168.	1.4	6
128	Neuropsychotoxicity of Abused Drugs: Molecular and Neural Mechanisms of Neuropsychotoxicity Induced by Methamphetamine, 3,4-Methylenedioxymethamphetamine (Ecstasy), and 5-Methoxy-N,N-diisopropyltryptamine (Foxy). <i>Journal of Pharmacological Sciences</i> , 2008, 106, 2-8.	2.5	43
129	Characterization of the Tritium-Labeled Analog of L-threo- β -Benzyloxyaspartate Binding to Glutamate Transporters. <i>Molecular Pharmacology</i> , 2007, 71, 294-302.	2.3	26
130	Involvement of the bed nucleus of the stria terminalis in the negative affective component of visceral and somatic pain in rats. <i>Behavioural Brain Research</i> , 2007, 176, 367-371.	2.2	53
131	Increased Ca ²⁺ channel currents in cerebellar Purkinje cells of the ataxic groggy rat. <i>Neuroscience Letters</i> , 2007, 426, 75-80.	2.1	4
132	Acceleration of serotonin transporter transport-associated current by 3,4-methylenedioxymethamphetamine (MDMA) under acidic conditions. <i>Neuroscience Letters</i> , 2007, 428, 72-76.	2.1	4
133	Inhibition of glutamatergic transmission by morphine in the basolateral amygdaloid nucleus reduces pain-induced aversion. <i>Neuroscience Research</i> , 2007, 59, 199-204.	1.9	34
134	The ataxic groggy rat has a missense mutation in the P/Q-type voltage-gated Ca ²⁺ channel α_1A subunit gene and exhibits absence seizures. <i>Brain Research</i> , 2007, 1133, 168-177.	2.2	51
135	Inhibitory Role of Supraspinal P2X3/P2X2/3 Subtypes on Nociception in Rats. <i>Molecular Pain</i> , 2006, 2, 1744-8069-2-19.	2.1	22
136	A Critical Role of TRPM2 in Neuronal Cell Death by Hydrogen Peroxide. <i>Journal of Pharmacological Sciences</i> , 2006, 101, 66-76.	2.5	185
137	Aminoglutethimide prevents excitotoxic and ischemic injuries in cortical neurons. <i>British Journal of Pharmacology</i> , 2006, 147, 729-736.	5.4	10
138	Heterologous Expression of a Mammalian ABC Transporter in Plant and its Application to Phytoremediation. <i>Plant Molecular Biology</i> , 2006, 61, 491-503.	3.9	37
139	Serofendic acid, a neuroprotective substance derived from fetal calf serum, inhibits mitochondrial membrane depolarization and caspase-3 activation. <i>European Journal of Pharmacology</i> , 2006, 542, 69-76.	3.5	23
140	Facilitative Effect of a Glutamate Transporter Inhibitor (2S,3S)-3-{3-[4-(Trifluoromethyl)benzoylamino]benzyloxy}aspartate on the Expression of Methamphetamine-Induced Behavioral Sensitization in Rats. <i>Journal of Pharmacological Sciences</i> , 2005, 99, 415-418.	2.5	8
141	Pregnenolone sulphate attenuates AMPA cytotoxicity on rat cortical neurons. <i>European Journal of Neuroscience</i> , 2005, 21, 2329-2335.	2.6	36
142	Gene transfer of GLT-1, a glutamate transporter, into the nucleus accumbens shell attenuates methamphetamine- and morphine-induced conditioned place preference in rats. <i>European Journal of Neuroscience</i> , 2005, 22, 2744-2754.	2.6	70
143	Inhibition of TRPC5 channels by Ca ²⁺ -binding protein 1 in <i>Xenopus</i> oocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2005, 450, 345-354.	2.8	50
144	Scallop DMT functions as a Ca ²⁺ -transporter. <i>FEBS Letters</i> , 2005, 579, 2727-2730.	2.8	8

#	ARTICLE	IF	CITATIONS
145	$\hat{I}\pm$ -Tocotrienol provides the most potent neuroprotection among vitamin E analogs on cultured striatal neurons. <i>Neuropharmacology</i> , 2004, 47, 904-915.	4.1	121
146	Mechanisms of oxygen glucose deprivation-induced glutamate release from cerebrocortical slice cultures. <i>Neuroscience Research</i> , 2004, 50, 179-187.	1.9	61
147	Modulation of Ca ²⁺ Channel Currents by a Novel Antidementia DrugN-(4-Acetyl-1-piperazinyl)-p-fluorobenzamide Monohydrate (FK960) in Rat Hippocampal Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 120-126.	2.5	4
148	Serofendic acid prevents acute glutamate neurotoxicity in cultured cortical neurons. <i>European Journal of Pharmacology</i> , 2003, 477, 195-203.	3.5	26
149	Neuroprotective effects of $\hat{I}\pm$ -tocopherol on oxidative stress in rat striatal cultures. <i>European Journal of Pharmacology</i> , 2003, 465, 15-22.	3.5	65
150	Lipopolysaccharide-induced dopaminergic cell death in rat midbrain slice cultures: role of inducible nitric oxide synthase and protection by indomethacin. <i>Journal of Neurochemistry</i> , 2003, 86, 1201-1212.	3.9	43
151	N-Methyl-d-aspartate receptors contribute to the maintenance of dopaminergic neurons in rat midbrain slice cultures. <i>Neuroscience Letters</i> , 2003, 341, 123-126.	2.1	10
152	Nicotinic Acetylcholine Receptor-Mediated Neuroprotection by Donepezil Against Glutamate Neurotoxicity in Rat Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 772-777.	2.5	194
153	Dopamine is involved in selectivity of dopaminergic neuronal death by rotenone. <i>NeuroReport</i> , 2003, 14, 2425-2428.	1.2	46
154	Isolation of a diterpenoid substance with potent neuroprotective activity from fetal calf serum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3288-3293.	7.1	53
155	Possible coupling of prostaglandin E receptor EP1 to TRP5 expressed in <i>Xenopus laevis</i> oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 398-402.	2.1	30
156	Adenosine 5'-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. <i>Neuroscience Letters</i> , 2002, 320, 121-124.	2.1	15
157	Identification and Characterization of Novel Human Cav2.2 ($\hat{I}\pm$ 1B) Calcium Channel Variants Lacking the Synaptic Protein Interaction Site. <i>Journal of Neuroscience</i> , 2002, 22, 82-92.	3.6	70
158	Regulation of N-methyl-d-aspartate cytotoxicity by neuroactive steroids in rat cortical neurons. <i>European Journal of Pharmacology</i> , 2002, 454, 165-175.	3.5	19
159	Antagonism of NMDA receptors by $\hat{I}\pm$ receptor ligands attenuates chemical ischemia-induced neuronal death in vitro. <i>European Journal of Pharmacology</i> , 2002, 455, 91-100.	3.5	57
160	Depletion of Intracellular Glutathione Increases Susceptibility to Nitric Oxide in Mesencephalic Dopaminergic Neurons. <i>Journal of Neurochemistry</i> , 2002, 73, 1696-1703.	3.9	48
161	Requirement of neural activity for the maintenance of dopaminergic neurons in rat midbrain slice cultures. <i>Neuroscience Letters</i> , 2001, 300, 166-170.	2.1	17
162	Activation of Inositol 1,4,5-Trisphosphate Receptor Is Essential for the Opening of Mouse TRP5 Channels. <i>Molecular Pharmacology</i> , 2001, 60, 989-998.	2.3	57

#	ARTICLE	IF	CITATIONS
163	Superoxide dismutase activity in organotypic midbrain-striatum co-cultures is associated with resistance of dopaminergic neurons to excitotoxicity. <i>Journal of Neurochemistry</i> , 2001, 76, 1336-1345.	3.9	25
164	Binding of $\text{G}\bar{\text{I}}_{\alpha}$ N Terminus Is Responsible for the Voltage-resistant Inhibition of $\hat{\text{I}}_{\pm 1\text{A}}$ (P/Q-type, Cav2.1) Ca^{2+} Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 28731-28738.	3.4	29
165	$\bar{\text{I}}_{\text{f}}$ Receptor ligands attenuate N-methyl-d-aspartate cytotoxicity in dopaminergic neurons of mesencephalic slice cultures. <i>European Journal of Pharmacology</i> , 2000, 388, 139-146.	3.5	40
166	p75-mediated neuroprotection by NGF against glutamate cytotoxicity in cortical cultures. <i>Brain Research</i> , 2000, 852, 279-289.	2.2	79
167	Involvement of direct inhibition of NMDA receptors in the effects of $\bar{\text{I}}_{\text{f}}$ -receptor ligands on glutamate neurotoxicity in vitro. <i>European Journal of Pharmacology</i> , 2000, 404, 41-48.	3.5	28
168	Receptor-Mediated Modulation of Voltage-Dependent Ca^{2+} Channels via Heterotrimeric G-proteins in Neurons. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 324-331.	1.2	3
169	Apoptotic DNA fragmentation and upregulation of Bax induced by transient ischemia of the rat retina. <i>Brain Research</i> , 1999, 815, 11-20.	2.2	61
170	Some physiological and pharmacological properties of slow depolarization of substantia gelatinosa neurons by repetitive stimulation of C-fibers of dorsal root in adult rat spinal cord slices with dorsal root attached. <i>Neuroscience Letters</i> , 1999, 274, 49-52.	2.1	4
171	Receptor-Mediated Modulation of Voltage-Dependent Ca^{2+} Channels via Heterotrimeric G-proteins in Neurons.. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 324-331.	1.2	20
172	Intracellular Ca^{2+} store-operated influx of Ca^{2+} through TRP-R, a rat homolog of TRP, expressed in <i>Xenopus</i> oocytes. <i>Neuroscience Letters</i> , 1998, 248, 195-198.	2.1	52
173	[18] Cut-open recording techniques. <i>Methods in Enzymology</i> , 1998, 293, 319-331.	1.0	8
174	Inhibition by [Arg8]-Vasopressin of Long Term Potentiation in Guinea Pig Hippocampal Slice. <i>The Japanese Journal of Pharmacology</i> , 1998, 77, 103-106.	1.2	8
175	Ether Extract of Fetal Calf Serum Protects Cultured Rat Cortical Neurons against Glutamate Cytotoxicity.. <i>The Japanese Journal of Pharmacology</i> , 1997, 73, 371-374.	1.2	17
176	Effects of B vitamins on glutamate-induced neurotoxicity in retinal cultures. <i>European Journal of Pharmacology</i> , 1997, 322, 259-264.	3.5	31
177	Involvement of M2 receptor in an enhancement of long-term potentiation by carbachol in Schaffer collateral-CA1 synapses of hippocampal slices. <i>Neuroscience Research</i> , 1997, 27, 175-180.	1.9	39
178	Cognitive enhancers and hippocampal long-term potentiation in vitro. <i>Behavioural Brain Research</i> , 1997, 83, 45-49.	2.2	24
179	Direct evidence for increase in excitatory amino acids release during mossy fiber LTP in rat hippocampal slices as revealed by the patch sensor methods. <i>Neuroscience Letters</i> , 1997, 224, 103-106.	2.1	20
180	Inhibition of Ca^{2+} channel current by $\hat{\text{I}}_{1/4}$ - and $\hat{\text{I}}_{\text{e}}$ -opioid receptors coexpressed in <i>Xenopus</i> oocytes: desensitization dependence on Ca^{2+} channel $\hat{\text{I}}_{\pm 1}$ subunits. <i>British Journal of Pharmacology</i> , 1997, 121, 806-812.	5.4	13

#	ARTICLE	IF	CITATIONS
181	BDNF prevents NO mediated glutamate cytotoxicity in cultured cortical neurons. Brain Research, 1997, 756, 200-204.	2.2	88
182	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	4
183	Galanin inhibits long-term potentiation at Schaffer collateral-CA1 synapses in guinea-pig hippocampal slices. Neuroscience Letters, 1996, 212, 21-24.	2.1	47
184	Cyclic AMP-dependent modulation of N- and Q-type Ca ²⁺ channels expressed in Xenopus oocytes. Neuroscience Letters, 1996, 217, 13-16.	2.1	20
185	DIFFERENT RATE OF DESENSITIZATION IN THE MULTIPLE SIGNALING PATHWAYS OF OPIOID RECEPTOR. Folia Pharmacologica Japonica, 1995, 106, 147-151.	0.2	0
186	Patch sensor detection of glutamate release evoked by a single electrical shock. Neuron, 1995, 15, 253-257.	8.1	25
187	Involvement of Postsynaptic G-proteins in Hippocampal Long-Term Potentiation. Reviews in the Neurosciences, 1994, 5, 1-10.	2.9	11
188	Prostaglandin E2 protects cultured cortical neurons against N-methyl-D-aspartate receptor-mediated glutamate cytotoxicity. Brain Research, 1994, 663, 237-243.	2.2	139
189	Mobilization of intracellular Ca ²⁺ and stimulation of cyclic AMP production by μ opioid receptors expressed in Xenopus oocytes. Molecular Brain Research, 1994, 27, 258-264.	2.3	25
190	Inhibitory influence via 5-HT ₃ receptors on the induction of LTP in mossy fiber-CA3 system of guinea-pig hippocampal slices. Neuroscience Research, 1994, 18, 277-282.	1.9	47
191	Roles of endogenous cholinergic neurons in the induction of long-term potentiation at hippocampal mossy fiber synapses. Neuroscience Research, 1994, 20, 71-78.	1.9	18
192	Functional expression of Ca ²⁺ -mobilizing opioid receptors in Xenopus oocytes injected with rat brain mRNA. Molecular Brain Research, 1994, 22, 69-75.	2.3	7
193	Potentiation of α -Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid (AMPA)-Selective Glutamate Receptor Function by a Nootropic Drug, Idebenone.. Biological and Pharmaceutical Bulletin, 1994, 17, 70-73.	1.4	3
194	Ca ²⁺ channel inhibition by κ opioid receptors expressed in Xenopus oocytes. NeuroReport, 1994, 5, 2506-2508.	1.2	29
195	Cloning and expression of a cDNA for the rat κ -opioid receptor. FEBS Letters, 1993, 329, 291-295.	2.8	218
196	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.	2.2	26
197	Involvement of postsynaptic G proteins in hippocampal long-term potentiation. Brain Research, 1992, 581, 108-114.	2.2	11
198	Metabotropic responses to acetylcholine and serotonin of Xenopus oocytes injected with rat brain mRNA are transduced by different G-protein subtypes. FEBS Letters, 1992, 299, 179-182.	2.8	19

#	ARTICLE	IF	CITATIONS
199	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. <i>Neuroscience Research</i> , 1991, 12, 393-402.	1.9	69
200	A facilitatory role of endogenous somatostatin in long-term potentiation of the mossy fiber-CA3 system in guinea-pig hippocampus. <i>Neuroscience Letters</i> , 1991, 129, 177-180.	2.1	25
201	Somatostatin augments long-term potentiation of the mossy fiber-CA3 system in guinea-pig hippocampal slices. <i>Brain Research</i> , 1991, 553, 188-194.	2.2	60
202	Effects of several cerebroprotective drugs on NMDA channel function: evaluation using <i>Xenopus</i> oocytes and [3H]MK-801 binding. <i>European Journal of Pharmacology</i> , 1991, 207, 119-128.	2.6	26
203	The use of <i>Xenopus</i> oocytes to evaluate drugs affecting brain Ca ²⁺ channels: effects of bifemelane and several nootropic agents. <i>European Journal of Pharmacology</i> , 1990, 189, 51-58.	2.6	35
204	Interspecies differences in the population of multiple glutamate receptors expressed in <i>Xenopus</i> oocytes after injection of guinea pig, mouse and rat forebrain mRNAs. <i>Neuroscience Letters</i> , 1990, 117, 134-139.	2.1	2
205	Biochemical changes related to aging in the senescence-accelerated mouse. <i>Experimental Gerontology</i> , 1989, 24, 49-55.	2.8	83
206	Phorbol Ester Inhibition of Current Responses and Simultaneous Protein Phosphorylation in <i>Xenopus</i> Oocyte Injected with Brain mRNA. <i>Journal of Neurochemistry</i> , 1988, 50, 766-773.	3.9	26
207	Habenular lesion attenuates methamphetamine-induced inhibition of dopamine neuronal activity in the substantia nigra pars compacta of rats. <i>Neuroscience Letters</i> , 1988, 86, 67-71.	2.1	16
208	Studies on peptides. CL. Syntheses of (D-His ²)-analogs of enkephalin and adrenorphin and several (D-Arg ²)enkephalin analogs.. <i>Chemical and Pharmaceutical Bulletin</i> , 1987, 35, 2561-2568.	1.3	1
209	Cyclic AMP facilitates slow-inactivating Ca ²⁺ channel currents expressed by <i>Xenopus</i> oocyte after injection of rat brain mRNA. <i>Neuroscience Letters</i> , 1987, 83, 123-127.	2.1	22
210	Inositol phosphate formation and chloride current responses induced by acetylcholine and serotonin through GTP-binding proteins in <i>Xenopus</i> oocyte after injection of rat brain messenger RNA. <i>Molecular Brain Research</i> , 1987, 2, 113-123.	2.3	86
211	GTP-binding proteins Gi and Go transplanted onto <i>Xenopus</i> oocyte by rat brain messenger RNA. <i>Molecular Brain Research</i> , 1987, 3, 11-19.	2.3	27
212	Suppressing effect of phorbol esters on serotonin-evoked Cl ⁻ current in <i>Xenopus</i> oocytes injected with rat brain mRNA. <i>The Japanese Journal of Pharmacology</i> , 1987, 43, 86.	1.2	1
213	Noradrenergic inhibition of the release of substance P from the primary afferents in the rabbit spinal dorsal horn. <i>Brain Research</i> , 1985, 359, 177-182.	2.2	230
214	Purification and identification of endogenous anti-opioid substances from bovine brain. <i>Biochemical and Biophysical Research Communications</i> , 1985, 126, 587-593.	2.1	13