Schuichi Koizumi

List of Publications by Year
in descending order

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168	11,161	44066	32838
papers	citations	48 h-index	100 g-index

186	186	186	11568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Mlc1 Promoter Directs MÃ¼ller Cell-specific Gene Expression in the Retina. Translational Vision Science and Technology, 2022, 11, 25.	2.2	4
2	Phagocytic astrocytes: Emerging from the shadows of microglia. Glia, 2022, 70, 1009-1026.	4.9	30
3	Transnasal transplantation of human induced pluripotent stem cell-derived microglia to the brain of immunocompetent mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 3-S43-1.	0.0	0
4	Spatiotemporal dynamics of extracellular ADO revealed by genetically encoded ADO sensor <i>in situ</i> brain slice experiments.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 1-P-011.	0.0	0
5	Effects of fatty acid metabolites on nocturia. Scientific Reports, 2022, 12, 3050.	3.3	5
6	Abnormal Ca2+ Signals in Reactive Astrocytes as a Common Cause of Brain Diseases. International Journal of Molecular Sciences, 2022, 23, 149.	4.1	5
7	Transient astrocytic mGluR5 expression drives synaptic plasticity and subsequent chronic pain in mice. Journal of Experimental Medicine, 2022, 219, .	8.5	14
8	P2X7 Receptors in Astrocytes: A Switch for Ischemic Tolerance. Molecules, 2022, 27, 3655.	3.8	6
9	Controlled activation of cortical astrocytes modulates neuropathic pain-like behaviour. Nature Communications, 2022, 13, .	12.8	14
10	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	14.8	1,098
11	Potential roles of astrocytes and MÃ¼ller cells in the pathogenesis of glaucoma. Journal of Pharmacological Sciences, 2021, 145, 262-267.	2.5	39
12	Reactive astrocyte-driven epileptogenesis is induced by microglia initially activated following status epilepticus. JCI Insight, 2021, 6, .	5.0	47
13	Development of a label-free ATP image sensor for analyzing spatiotemporal patterns of ATP release from biological tissues. Sensors and Actuators B: Chemical, 2021, 335, 129686.	7.8	7
14	Mechanisms underlying sensitization of P2X7 receptors in astrocytes for induction of ischemic tolerance. Glia, 2021, 69, 2100-2110.	4.9	13
15	Neutrophils initiate and exacerbate Stevens-Johnson syndrome and toxic epidermal necrolysis. Science Translational Medicine, 2021, 13, .	12.4	29
16	Mechanical stretch-induced ATP release from keratinocytes triggers Koebner phenomenon in psoriasis. Journal of Dermatological Science, 2021, 103, 60-62.	1.9	9
17	Transnasal transplantation of human induced pluripotent stem cellâ€derived microglia to the brain of immunocompetent mice. Glia, 2021, 69, 2332-2348.	4.9	14
18	Adenosine <scp>A_{2B}</scp> receptor downâ€regulates metabotropic glutamate receptor 5 in astrocytes during postnatal development. Glia, 2021, 69, 2546-2558.	4.9	10

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19	Different effects of GsMTx4 on nocturia associated with the circadian clock and Piezo1 expression in mice. Life Sciences, 2021, 278, 119555.	4.3	9
20	Loss of P2Y₁ receptors triggers glaucomaâ€like pathology in mice. British Journal of Pharmacology, 2021, 178, 4552-4571.	5.4	7
21	Goshajinkigan attenuates paclitaxelâ€induced neuropathic pain via cortical astrocytes. Pharmacology Research and Perspectives, 2021, 9, e00850.	2.4	4
22	Glial pharmacology in Asia & Beyond. Pharmacology Research and Perspectives, 2021, 9, e00881.	2.4	0
23	Glial Purinergic Signals and Psychiatric Disorders. Frontiers in Cellular Neuroscience, 2021, 15, 822614.	3.7	14
24	Extracellular ATP Augments Antigen-Induced Murine Mast Cell Degranulation and Allergic Responses via P2X4 Receptor Activation. Journal of Immunology, 2020, 204, 3077-3085.	0.8	23
25	Intermittent restraint stress induces circadian misalignment in the mouse bladder, leading to nocturia. Scientific Reports, 2019, 9, 10069.	3.3	18
26	Microglial ROCK is essential for chronic methylmercuryâ€induced neurodegeneration. Journal of Neurochemistry, 2019, 151, 64-78.	3.9	18
27	Evaluation of M1-microglial activation by neurotoxic metals using optimized organotypic cerebral slice cultures. Journal of Toxicological Sciences, 2019, 44, 471-479.	1.5	14
28	Hydrogen Ion Microscope Using 2 ÂµM Pitch pH Image Sensor for Analysis of Mouse Hippocampal Slice. , 2019, , .		0
29	Snake venom rhodocytin induces plasma extravasation via toxin-mediated interactions between platelets and mast cells. Scientific Reports, 2019, 9, 15958.	3.3	3
30	Hyaluronan synthesis supports glutamate transporter activity. Journal of Neurochemistry, 2019, 150, 249-263.	3.9	6
31	Aberrant Calcium Signals in Reactive Astrocytes: A Key Process in Neurological Disorders. International Journal of Molecular Sciences, 2019, 20, 996.	4.1	103
32	Hydrogen Ion Image Sensor with Barrel Array Diffusion Suppressor and Hippocampal Slice Imaging. , 2019, , .		0
33	Neuroprotective effects of microglial P2Y₁ receptors against ischemic neuronal injury. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2144-2156.	4.3	32
34	The oscillation of intracellular Ca2+ influx associated with the circadian expression of Piezo1 and TRPV4 in the bladder urothelium. Scientific Reports, 2018, 8, 5699.	3.3	23
35	Aberrant astrocyte Ca²⁺ signals â€œAxCa signalsâ€•exacerbate pathological alterations in an Alexander disease model. Glia, 2018, 66, 1053-1067.	4.9	24
36	New roles of reactive astrocytes in the brain; an organizer of cerebral ischemia. Neurochemistry International, 2018, 119, 107-114.	3.8	49

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37	Role of Purinergic Receptor P2Y1 in Spatiotemporal Ca²⁺Dynamics in Astrocytes. Journal of Neuroscience, 2018, 38, 1383-1395.	3.6	36
38	Astrocytes as therapeutic targets in brain diseases. Neuroscience Research, 2018, 126, 1-2.	1.9	3
39	The Circadian expression of Piezo1, TRPV4, Connexin26, and VNUT, associated with the expression levels of the clock genes in mouse primary cultured urothelial cells. Neurourology and Urodynamics, 2018, 37, 942-951.	1.5	16
40	Astrocytes and ischemic tolerance. Neuroscience Research, 2018, 126, 53-59.	1.9	26
41	Involvement of VNUT-exocytosis in transient receptor potential vanilloid 4-dependent ATP release from gastrointestinal epithelium. PLoS ONE, 2018, 13, e0206276.	2.5	17
42	Microglia mediate nonâ€cellâ€autonomous cell death of retinal ganglion cells. Glia, 2018, 66, 2366-2384.	4.9	62
43	The timeâ€dependent variation of ATP release in mouse primaryâ€cultured urothelial cells is regulated by the clock gene. Neurourology and Urodynamics, 2018, 37, 2535-2543.	1.5	10
44	Anti-Depressant Fluoxetine Reveals its Therapeutic Effect Via Astrocytes. EBioMedicine, 2018, 32, 72-83.	6.1	80
45	Astrocyte-synapse interaction in health and diseases. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY17-4.	0.0	0
46	Contribution of activated glial cells in epileptogenesis after status epilepticus. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR24-2.	0.0	0
47	Aberrant astrocyte Ca²⁺ signals â€œAxCa signalsâ€•exacerbate pathological alterations in an Alexander disease model. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-106.	0.0	0
48	Dual color Ca²⁺ imaging of neuron-astrocyte interaction. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-105.	0.0	0
49	Functional analysis of Down's syndrome associated molecule in the cerebellum excitatory synapse formation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-74.	0.0	0
50	An essential role of astrocytic mGluR5 in the somatosensory cortex in regulation of synaptogenesis and neuropathic pain. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-63.	0.0	0
51	Mechanisms underlying down-regulation of mGluR5 in astrocytes with ages. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-99.	0.0	0
52	Neuroprotection by VNUT-mediated microglial ATP exocytosis in the ischemic brain. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-7.	0.0	0
53	Hypoxiaâ€independent mechanisms of HIFâ€1Î± expression in astrocytes after ischemic preconditioning. Glia, 2017, 65, 523-530.	4.9	51
54	The Clock mutant mouse is a novel experimental model for nocturia and nocturnal polyuria. Neurourology and Urodynamics, 2017, 36, 1034-1038.	1.5	20

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55	Carbenoxolone inhibits <scp>TRPV</scp>4 channelâ€initiated oxidative urothelial injury and ameliorates cyclophosphamideâ€induced bladder dysfunction. Journal of Cellular and Molecular Medicine, 2017, 21, 1791-1802.	3.6	14
56	Pathologic Active mTOR Mutation in Brain Malformation with Intractable Epilepsy Leads to Cell-Autonomous Migration Delay. American Journal of Pathology, 2017, 187, 1177-1185.	3.8	25
57	Transformation of Astrocytes to a Neuroprotective Phenotype by Microglia via P2Y1 Receptor Downregulation. Cell Reports, 2017, 19, 1151-1164.	6.4	264
58	P2Y6-deficiency increases micturition frequency and attenuates sustained contractility of the urinary bladder in mice. Scientific Reports, 2017, 7, 771.	3.3	15
59	Unconventional role of voltageâ€gated proton channels (<scp>VSOP</scp>/Hv1) in regulation of microglial <scp>ROS</scp> production. Journal of Neurochemistry, 2017, 142, 686-699.	3.9	25
60	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. Nature Communications, 2017, 8, 28.	12.8	287
61	Astrocyteâ€mediated synapse remodeling in the pathological brain. Glia, 2017, 65, 1719-1727.	4.9	70
62	MP82-20 ATP RELATED TO VNUT MAINTAINS THE NORMAL BLADDER STORAGE FUNCTION. Journal of Urology, 2017, 197, .	0.4	0
63	Polymorphic regulation of mitochondrial fission and fusion modifies phenotypes of microglia in neuroinflammation. Scientific Reports, 2017, 7, 4942.	3.3	76
64	Cell analysis system using a filter-free fluorescence sensor. , 2017, , .		1
65	Clock Genes Regulate the Circadian Expression of Piezo1, TRPV4, Connexin26, and VNUT in an Ex Vivo Mouse Bladder Mucosa. PLoS ONE, 2017, 12, e0168234.	2.5	34
66	Purinergic dysregulation causes hypertensive glaucomaâ€“like optic neuropathy. JCI Insight, 2017, 2, .	5.0	20
67	Cortical astrocytes rewire somatosensory cortical circuits for peripheral neuropathic pain. Journal of Clinical Investigation, 2016, 126, 1983-1997.	8.2	146
68	MÃ¼ller cellâ€mediated neurite outgrowth of the retinal ganglion cells via P2Y₆ receptor signals. Journal of Neurochemistry, 2016, 136, 741-751.	3.9	18
69	Urothelial ATP exocytosis: regulation of bladder compliance in the urine storage phase. Scientific Reports, 2016, 6, 29761.	3.3	35
70	An effective therapeutic approach for oxaliplatin-induced peripheral neuropathy using a combination therapy with goshajinkigan and bushi. Cancer Biology and Therapy, 2016, 17, 1206-1212.	3.4	17
71	Microglia contact induces synapse formation in developing somatosensory cortex. Nature Communications, 2016, 7, 12540.	12.8	495
72	Origins of oligodendrocytes in the cerebellum, whose development is controlled by the transcription factor, Sox9. Mechanisms of Development, 2016, 140, 25-40.	1.7	31

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73	Long-term imipramine treatment increases N-methyl-d-aspartate receptor activity and expression via epigenetic mechanisms. European Journal of Pharmacology, 2015, 752, 69-77.	3.5	24
74	TRPV4 regulates the integrity of the bloodâ€cerebrospinal fluid barrier and modulates transepithelial protein transport. FASEB Journal, 2015, 29, 2247-2259.	0.5	40
75	Astrocyte-Mediated Ischemic Tolerance. Journal of Neuroscience, 2015, 35, 3794-3805.	3.6	96
76	Nano-imaging for glia-synapse fine structures with a homemade near-field optical microscope. , 2015, , .		0
77	Mechanism Underlying ATP Release in Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2014, 134, 1465-1468.	0.7	15
78	Functional Role for Piezo1 in Stretch-evoked Ca2+ Influx and ATP Release in Urothelial Cell Cultures. Journal of Biological Chemistry, 2014, 289, 16565-16575.	3.4	231
79	Expression of Astrocyte-Related Receptors in Cortical Dysplasia With Intractable Epilepsy. Journal of Neuropathology and Experimental Neurology, 2014, 73, 798-806.	1.7	27
80	Microglia trigger astrocyte-mediated neuroprotection via purinergic gliotransmission. Scientific Reports, 2014, 4, 4329.	3.3	88
81	Purinergic receptors in microglia: Functional modal shifts of microglia mediated by P2 and P1 receptors. Glia, 2013, 61, 47-54.	4.9	169
82	Microglia release ATP by exocytosis. Glia, 2013, 61, 1320-1330.	4.9	150
83	Involvement of glial P2Y1 receptors in cognitive deficit after focal cerebral stroke in a rodent model. Journal of Neuroinflammation, 2013, 10, 95.	7.2	47
84	Secretion of Matrix Metalloproteinase-9 from Astrocytes by Inhibition of Tonic P2Y14-Receptor-Mediated Signal(s). Cellular and Molecular Neurobiology, 2013, 33, 47-58.	3.3	28
85	In Vitro Blood-Brain Barrier Models Using Brain Capillary Endothelial Cells Isolated from Neonatal and Adult Rats Retain Age-Related Barrier Properties. PLoS ONE, 2013, 8, e55166.	2.5	53
86	Astrocytes Protect Neurons against Methylmercury via ATP/P2Y1 Receptor-Mediated Pathways in Astrocytes. PLoS ONE, 2013, 8, e57898.	2.5	46
87	Purinergic Signaling Promotes Proliferation of Adult Mouse Subventricular Zone Cells. Journal of Neuroscience, 2012, 32, 9238-9247.	3.6	64
88	495 VNUT (VESICULAR NUCLEOTIDE TRANSPORTER) PLAYS A CRUCIAL ROLE IN STRETCH-EVOKED ATP RELEASE FROM UROTHELIUM. Journal of Urology, 2012, 187, .	0.4	1
89	Cell-Autonomous Enhancement of Glutamate-Uptake by Female Astrocytes. Cellular and Molecular Neurobiology, 2012, 32, 953-956.	3.3	15
90	Severe dermatitis with loss of epidermal Langerhans cells in human and mouse zinc deficiency. Journal of Clinical Investigation, 2012, 122, 722-732.	8.2	70

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91	The increase of the expression of NMDA receptors is involved in the facilitative of calcium oscillation by corticosterone stimulation. Neuroscience Research, 2011, 71, e109.	1.9	0
92	The astrocyte-targeted therapy by Bushi for the neuropathic pain. Neuroscience Research, 2011, 71, e157-e158.	1.9	0
93	The Astrocyte-Targeted Therapy by Bushi for the Neuropathic Pain in Mice. PLoS ONE, 2011, 6, e23510.	2.5	65
94	Nonsteroidal Anti-Inflammatory Drug Flufenamic Acid Is a Potent Activator of AMP-Activated Protein Kinase. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 257-266.	2.5	45
95	A New Role for Astrocytes(<SPECIAL ISSUE>Neuroscience for the Development of Neurosurgery) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
96	In Vivo Canine Model Comparison of Cardiovascular Effects of Antidepressants Milnacipran and Imipramine. Cardiovascular Toxicology, 2010, 10, 275-282.	2.7	11
97	Synchronization of Ca²⁺ oscillations: involvement of ATP release in astrocytes. FEBS Journal, 2010, 277, 286-292.	4.7	81
98	The analgesic effect of Bushimatsu via inhibition of astrocytic activaion on neuropathic pain. Neuroscience Research, 2010, 68, e80.	1.9	0
99	Astrocytes respond to anti-depressants and contribute to its therapeutic effects. Neuroscience Research, 2010, 68, e16.	1.9	0
100	The TRPV4 Cation Channel Mediates Stretch-evoked Ca2+ Influx and ATP Release in Primary Urothelial Cell Cultures. Journal of Biological Chemistry, 2009, 284, 21257-21264.	3.4	254
101	Direct Observation of ATP-Induced Conformational Changes in Single P2X4 Receptors. PLoS Biology, 2009, 7, e1000103.	5.6	98
102	Grape Seed Extract Acting on Astrocytes Reveals Neuronal Protection Against Oxidative Stress via Interleukin-6-mediated Mechanisms. Cellular and Molecular Neurobiology, 2009, 29, 1121-1129.	3.3	28
103	Chapter 12 P2Y6â€Evoked Microglial Phagocytosis. International Review of Neurobiology, 2009, 85, 159-163.	2.0	50
104	Fibronectin/integrin system is involved in P2X₄ receptor upregulation in the spinal cord and neuropathic pain after nerve injury. Glia, 2008, 56, 579-585.	4.9	105
105	Retinoic acids acting through retinoid receptors protect hippocampal neurons from oxygen-glucose deprivation-mediated cell death by inhibition of c-jun-N-terminal kinase and p38 mitogen-activated protein kinase. Neuroscience, 2007, 147, 153-163.	2.3	34
106	UDP acting at P2Y6 receptors is a mediator of microglial phagocytosis. Nature, 2007, 446, 1091-1095.	27.8	698
107	Reduced pain behaviors and extracellular signalâ€related protein kinase activation in primary sensory neurons by peripheral tissue injury in mice lacking plateletâ€activating factor receptor. Journal of Neurochemistry, 2007, 102, 1658-1668.	3.9	29
108	The role of nucleotides in the neuronâ€“glia communication responsible for the brain functions. Journal of Neurochemistry, 2007, 102, 1447-1458.	3.9	92

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109	Upregulation of P2Y2 receptors by retinoids in normal human epidermal keratinocytes. Purinergic Signalling, 2006, 2, 491-498.	2.2	9
110	Possible involvement of increase in spinal fibronectin following peripheral nerve injury in upregulation of microglial P2X4, a key molecule for mechanical allodynia. Glia, 2006, 53, 769-775.	4.9	84
111	Extracellular ATP counteracts the ERK1/2-mediated death-promoting signaling cascades in astrocytes. Glia, 2006, 54, 606-618.	4.9	36
112	Retinoic Acids Increase P2X2 Receptor Expression through the 5â€²-Flanking Region of P2rx2 Gene in Rat Phaeochromocytoma PC-12 Cells. Molecular Pharmacology, 2006, 70, 319-328.	2.3	13
113	The extracellular ATP-mediated epidermal keratinocyteto-sensory neuron communication; an involvement of keratinocytic ATP in induction of pain . Pain Research, 2006, 21, 133-139.	0.1	0
114	Long-lasting change in brain dynamics induced by methamphetamine: enhancement of protein kinase C-dependent astrocytic response and behavioral sensitization. Journal of Neurochemistry, 2005, 93, 1383-1392.	3.9	62
115	Characterization of Multiple P2X Receptors in Cultured Normal Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2005, 124, 756-763.	0.7	53
116	Cytoprotection against oxidative stress-induced damage of astrocytes by extracellular ATP via P2Y1 receptors. Glia, 2005, 49, 288-300.	4.9	63
117	Involvement of Î²1 integrin in microglial chemotaxis and proliferation on fibronectin: Different regulations by ADP through PKA. Glia, 2005, 52, 98-107.	4.9	89
118	ATP receptors in pain sensation: Involvement of spinal microglia and P2X4 receptors. Purinergic Signalling, 2005, 1, 95-100.	2.2	44
119	Regulation of cell-to-cell communication mediated by astrocytic ATP in the CNS. Purinergic Signalling, 2005, 1, 211-217.	2.2	53
120	Activation of p38 mitogenâ€activated protein kinase in spinal hyperactive microglia contributes to pain hypersensitivity following peripheral nerve injury. Glia, 2004, 45, 89-95.	4.9	469
121	Ca2+ waves in keratinocytes are transmitted to sensory neurons: the involvement of extracellular ATP and P2Y2 receptor activation. Biochemical Journal, 2004, 380, 329-338.	3.7	211
122	ATP- and Adenosine-Mediated Signaling in the Central Nervous System: Chronic Pain and Microglia: Involvement of the ATP Receptor P2X4. Journal of Pharmacological Sciences, 2004, 94, 112-114.	2.5	62
123	ATP induced three types of pain behaviors, including allodynia. Drug Development Research, 2003, 59, 56-63.	2.9	19
124	Neurone-to-astrocyte communication by endogenous ATP in mixed culture of rat hippocampal neurones and astrocytes. Drug Development Research, 2003, 59, 88-94.	2.9	4
125	P2X4 receptors induced in spinal microglia gate tactile allodynia after nerve injury. Nature, 2003, 424, 778-783.	27.8	1,397
126	Signaling of ATP receptors in glia-neuron interaction and pain. Life Sciences, 2003, 74, 189-197.	4.3	38

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127	Dynamic inhibition of excitatory synaptic transmission by astrocyte-derived ATP in hippocampal cultures. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11023-11028.	7.1	225
128	Mechanisms Underlying the Neuronal Calcium Sensor-1-evoked Enhancement of Exocytosis in PC12 Cells. Journal of Biological Chemistry, 2002, 277, 30315-30324.	3.4	83
129	Functional Vanilloid Receptors in Cultured Normal Human Epidermal Keratinocytes. Biochemical and Biophysical Research Communications, 2002, 291, 124-129.	2.1	264
130	Spatial and temporal aspects of Ca2+ signaling mediated by P2Y receptors in cultured rat hippocampal astrocytes. Life Sciences, 2002, 72, 431-442.	4.3	44
131	Downregulation of P2X3receptor-dependent sensory functions in A/J inbred mouse strain. European Journal of Neuroscience, 2002, 15, 1444-1450.	2.6	29
132	Neuronal calcium sensor-1 binds to regulated secretory organelles and functions in basal and stimulated exocytosis in PC12 cells. Journal of Cell Science, 2002, 115, 2399-2412.	2.0	35
133	Neuronal calcium sensor-1 binds to regulated secretory organelles and functions in basal and stimulated exocytosis in PC12 cells. Journal of Cell Science, 2002, 115, 2399-412.	2.0	30
134	Role of endogenous ATP at the incision area in a rat model of postoperative pain. NeuroReport, 2001, 12, 1701-1704.	1.2	41
135	Mechanisms underlying extracellular ATP-evoked interleukin-6 release in mouse microglial cell line, MG-5. Journal of Neurochemistry, 2001, 78, 1339-1349.	3.9	159
136	Mechanism of the inhibitory action of ATP in rat hippocampus. Drug Development Research, 2001, 52, 95-103.	2.9	3
137	Mechanical Allodynia Caused by Intraplantar Injection of P2X Receptor Agonist in Rats: Involvement of Heteromeric P2X_{2/3}Receptor Signaling in Capsaicin-Insensitive Primary Afferent Neurons. Journal of Neuroscience, 2000, 20, RC90-RC90.	3.6	168
138	Regulation of Ryanodine Receptor Opening by Lumenal Ca2+ Underlies Quantal Ca2+ Release in PC12 Cells. Journal of Biological Chemistry, 1999, 274, 33327-33333.	3.4	53
139	Characterization of Elementary Ca2+ Release Signals in NGF-Differentiated PC12 Cells and Hippocampal Neurons. Neuron, 1999, 22, 125-137.	8.1	143
140	Chapter 16 The functions of ATP receptors in the synaptic transmission in the hippocampus. Progress in Brain Research, 1999, 120, 193-206.	1.4	28
141	ATP stimulation of Ca²⁺â€dependent plasminogen release from cultured microglia. British Journal of Pharmacology, 1998, 123, 1304-1310.	5.4	113
142	Characterization of Ca2+ influx through recombinant P2X receptor in C6BU-1 cells. British Journal of Pharmacology, 1998, 124, 1484-1490.	5.4	17
143	The effect of a secreted form of Î²-amyloid-precursor protein on intracellular Ca2+ increase in rat cultured hippocampal neurones. British Journal of Pharmacology, 1998, 123, 1483-1489.	5.4	25
144	Functional Coupling of Secretion and Capacitative Calcium Entry in PC12 Cells. Biochemical and Biophysical Research Communications, 1998, 244, 293-297.	2.1	35

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145	Inhibition by Imipramine of ATP-Evoked Responses in Rat Pheochromocytoma Cells. Biochemical and Biophysical Research Communications, 1998, 244, 342-346.	2.1	8
146	Capacitative Ca2+ entry in PC12 cells. The Japanese Journal of Pharmacology, 1998, 76, 206.	1.2	0
147	Inhibition by ATP of calcium oscillations in rat cultured hippocampal neurones. British Journal of Pharmacology, 1997, 122, 51-58.	5.4	69
148	Nitric oxide participates in the stimulatory and neurotoxic action of endothelin on rat striatal dopaminergic neurons. Cellular and Molecular Neurobiology, 1997, 17, 471-481.	3.3	3
149	Potentiation by cadmium ion of ATPâ€evoked dopamine release in rat phaeochromocytoma cells. British Journal of Pharmacology, 1996, 117, 950-954.	5.4	8
150	Inhibition by antipsychotic drugs of L-type Ca2+ channel current in PC12 cells. European Journal of Pharmacology, 1996, 314, 143-150.	3.5	36
151	IMPLICATION OF ATP RECEPTORS IN BRAIN FUNCTIONS. Progress in Neurobiology, 1996, 50, 483-492.	5.7	80
152	Glutamate-evoked release of adenosine 5'-triphosphate causing an increase in intracellular calcium in hippocampal neurones. NeuroReport, 1995, 6, 437-440.	1.2	49
153	Inhibition by suramin and reactive blue 2 of GABA and glutamate receptor channels in rat hippocampal neurons. Naunyn-Schmiedeberg's Archives of Pharmacology, 1995, 351, 202-8.	3.0	68
154	Enhancement by zinc of ATP-evoked dopamine release from rat pheochromocytoma PC12 cells. Brain Research, 1995, 673, 75-82.	2.2	28
155	Inhibition by Zn²⁺ of uridine 5â€˜ triphosphateâ€induced Ca²⁺â€influx but not Ca²⁺â€mobilization in rat phaeochromocytoma cells. British Journal of Pharmacology, 1995, 115, 1502-1508.	5.4	30
156	Characterization of inhibition by haloperidol and chlorpromazine of a voltageâ€activated K⁺ current in rat phaeochromocytoma cells. British Journal of Pharmacology, 1995, 116, 2603-2610.	5.4	35
157	Inhibition by Haloperidol of Adenosine 5â€²-Triphosphate-Evoked Responses in Rat Pheochromocytoma Cells. Biochemical and Biophysical Research Communications, 1995, 210, 624-630.	2.1	9
158	Reduction of acetylcholine-activated current by low concentrations of extracellular adenosine 5â€²-triphosphate. Life Sciences, 1995, 57, PL351-PL356.	4.3	7
159	Contribution of L-type Ca2+ channels to long-term enhancement of high K+-evoked release of dopamine from rat striatal slices. Neuroscience Letters, 1995, 187, 123-126.	2.1	12
160	Accentuation by pertussis toxin of the 5-hydroxytryptamine-induced potentiation of ATP-evoked responses in rat pheochromocytoma cells. Neuroscience Letters, 1995, 183, 104-107.	2.1	7
161	Endothelin-3 stimulates inositol 1,4,5-trisphosphate production and Ca2+ influx to produce biphasic dopamine release from rat striatal slices. Cellular and Molecular Neurobiology, 1994, 14, 271-280.	3.3	11
162	Modulatory effect of plasminogen on NMDA-induced increase in intracellular free calcium concentration in rat cultured hippocampal neurons. Neuroscience Letters, 1994, 179, 87-90.	2.1	29

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163	A facilitatory role of vasopressin in hypoxia/hypoglycemia-induced impairment of dopamine release from rat striatal slices. Brain Research, 1994, 633, 91-96.	2.2	5
164	Potentiation by adenosine of ATPâ€evoked dopamine release via a pertussis toxinâ€sensitive mechanism in rat phaeochromocytoma PC12 cells. British Journal of Pharmacology, 1994, 112, 992-997.	5.4	27
165	Inhibitory effects of capsaicin on acetylcholineâ€evoked responses in rat phaeochromocytoma cells. British Journal of Pharmacology, 1994, 113, 296-302.	5.4	20
166	Endothelin-3 activates a voltage-gated Ca channel via a pertussis toxin sensitive mechanism leading to dopamine release from PC12 cells. Neuroscience Letters, 1994, 166, 191-194.	2.1	8
167	Endothelin increased [Ca2+]i in cultured neurones and slices of rat hippocampus. NeuroReport, 1994, 5, 1077-1080.	1.2	26
168	ETB receptor involvement in stimulatory and neurotoxic action of endothelin on dopamine neurones. NeuroReport, 1994, 5, 2653-2656.	1.2	15