

Kazuki Nagasawa

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,349
citations

361296

20
h-index

414303

32
g-index

78
all docs

78
docs citations

78
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc Triggers Microglial Activation. <i>Journal of Neuroscience</i> , 2008, 28, 5827-5835.	1.7	157
2	Microglial zinc uptake via zinc transporters induces ATP release and the activation of microglia. <i>Glia</i> , 2011, 59, 1933-1945.	2.5	55
3	Mitochondrial dysfunction is involved in P2X7 receptor-mediated neuronal cell death. <i>Journal of Neurochemistry</i> , 2012, 122, 1118-1128.	2.1	54
4	Astrocyte cultures exhibit P2X7 receptor channel opening in the absence of exogenous ligands. <i>Glia</i> , 2009, 57, 622-633.	2.5	52
5	Transport mechanisms for adenosine and uridine in primary-cultured rat cortical neurons and astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 1343-1350.	1.0	44
6	Transport mechanism for aluminum citrate at the blood-brain barrier: kinetic evidence implies involvement of system Xc ⁻ in immortalized rat brain endothelial cells. <i>Toxicology Letters</i> , 2005, 155, 289-296.	0.4	44
7	Possible involvement of group I mGluRs in neuroprotective effect of theanine. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 116-122.	1.0	42
8	Ergothioneine ameliorates oxaliplatin-induced peripheral neuropathy in rats. <i>Life Sciences</i> , 2018, 207, 516-524.	2.0	37
9	Membrane Transport and Antitumor Activity of Pirarubicin, and Comparison with Those of Doxorubicin. <i>Japanese Journal of Cancer Research</i> , 1999, 90, 775-780.	1.7	36
10	Anticancer nucleobase analogues 6-mercaptopurine and 6-thioguanine are novel substrates for equilibrative nucleoside transporter 2. <i>International Journal of Pharmaceutics</i> , 2007, 333, 56-61.	2.6	34
11	Transport mechanism of anthracycline derivatives in human leukemia cell lines: uptake and efflux of pirarubicin in HL60 and pirarubicin-resistant HL60 cells. <i>Cancer Chemotherapy and Pharmacology</i> , 1996, 37, 297-304.	1.1	32
12	Contribution of Specific Transport Systems to Anthracycline Transport in Tumor and Normal Cells. <i>Current Drug Metabolism</i> , 2001, 2, 355-366.	0.7	31
13	P2X7 receptors regulate engulfing activity of non-stimulated resting astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 90-95.	1.0	29
14	Monocarboxylate Transporter Mediates Uptake of Lovastatin Acid in Rat Cultured Mesangial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 2605-2613.	1.6	27
15	Studies on Interactions between Traditional Herbal and Western Medicines. I. Effects of Sho-seiryu-to on the Pharmacokinetics of Carbamazepine in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 527-531.	0.6	26
16	Contribution of P2X7 receptors to adenosine uptake by cultured mouse astrocytes. <i>Glia</i> , 2010, 58, 1757-1765.	2.5	26
17	Transport mechanism for lovastatin acid in bovine kidney NBL-1 cells: kinetic evidences imply involvement of monocarboxylate transporter 4. <i>International Journal of Pharmaceutics</i> , 2003, 262, 63-73.	2.6	25
18	Oxidative stress upregulates zinc uptake activity via Zrt/Irt-like protein 1 (ZIP1) in cultured mouse astrocytes. <i>Life Sciences</i> , 2016, 151, 305-312.	2.0	21

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19	Characterization of guanine and guanosine transport in primary cultured rat cortical astrocytes and neurons. <i>Glia</i> , 2007, 55, 1397-1404.	2.5	20
20	Altered Levels of Oxidation and Phospholipase C Isozyme Expression in the Brains of Theanine-Administered Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 857-860.	0.6	20
21	Regulation of activity of P2X7 receptor by its splice variants in cultured mouse astrocytes. <i>Glia</i> , 2014, 62, 440-451.	2.5	20
22	Protective effect of nicotinamide against poly(ADP-ribose) polymerase-1-mediated astrocyte death depends on its transporter-mediated uptake. <i>Life Sciences</i> , 2010, 86, 676-682.	2.0	19
23	Expression profile of vesicular nucleotide transporter (VNUT, SLC17A9) in subpopulations of rat dorsal root ganglion neurons. <i>Neuroscience Letters</i> , 2014, 579, 75-79.	1.0	18
24	Zinc is released by cultured astrocytes as a gliotransmitter under hypoosmotic stress-loaded conditions and regulates microglial activity. <i>Life Sciences</i> , 2014, 94, 137-144.	2.0	18
25	Transient receptor potential vanilloid 4 mediates sour taste sensing via type III taste cell differentiation. <i>Scientific Reports</i> , 2019, 9, 6686.	1.6	17
26	Pharmacokinetics of pirarubicin in pediatric patients.. <i>Journal of Pharmacobio-dynamics</i> , 1991, 14, 222-230.	0.5	16
27	Expression of adenosine A2b receptor in rat type II and III taste cells. <i>Histochemistry and Cell Biology</i> , 2014, 141, 499-506.	0.8	16
28	Characterization of zinc uptake by mouse primary cultured astrocytes and microglia. <i>Metallomics</i> , 2015, 7, 1067-1077.	1.0	16
29	Transport and toxic mechanism for aluminum citrate in human neuroblastoma SH-SY5Y cells. <i>Life Sciences</i> , 2006, 79, 89-97.	2.0	15
30	Copper accumulation in the brain causes the elevation of oxidative stress and less anxious behavior in Ts1Cje mice, a model of Down syndrome. <i>Free Radical Biology and Medicine</i> , 2019, 134, 248-259.	1.3	15
31	Inhibitory Effect of Statins on Fetal Bovine Serum-Induced Proliferation of Rat Cultured Mesangial Cells and Correlation Between Their Inhibitory Effect and Transport Characteristics. <i>Journal of Pharmaceutical Sciences</i> , 2000, 89, 1594-1604.	1.6	14
32	Transport Mechanisms of Idarubicin, an Anthracycline Derivative, in Human Leukemia HL60 Cells and Mononuclear Cells, and Comparison with Those of Its Analogs. <i>Japanese Journal of Cancer Research</i> , 1997, 88, 750-759.	1.7	13
33	Astrocytes, but Not Neurons, Exhibit Constitutive Activation of P2X7 Receptors in Mouse Acute Cortical Slices under Non-stimulated Resting Conditions. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1958-1962.	0.6	13
34	Oxidative stress-induced increase of intracellular zinc in astrocytes decreases their functional expression of P2X7 receptors and engulfing activity. <i>Metallomics</i> , 2017, 9, 1839-1851.	1.0	13
35	Prophylactic Oral Administration of Magnesium Ameliorates Dextran Sulfate Sodium-Induced Colitis in Mice through a Decrease of Colonic Accumulation of P2X7 Receptor-Expressing Mast Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1071-1077.	0.6	13
36	Transport Mechanism of Anthracycline Derivatives in Human Leukemia Cell Lines: Uptake and Efflux of Daunorubicin and Doxorubicin in HL60 and Its Resistant Cells and Comparison with Those of Pirarubicin.. <i>Biological and Pharmaceutical Bulletin</i> , 1996, 19, 100-105.	0.6	12

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37	Possibility of Contribution of Nucleoside Transport Systems to Pirarubicin Uptake by HL60 Cells but Not Mononuclear Cells. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 673-680.	1.7	12
38	Relationships between the in vitro cytotoxicity and transport characteristics of pirarubicin and doxorubicin in M5076 ovarian sarcoma cells, and comparison with those in Ehrlich ascites carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2002, 49, 244-250.	1.1	12
39	Pirarubicin is taken up by a uridine-transportable sodium-dependent concentrative nucleoside transporter in Ehrlich ascites carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2003, 51, 512-518.	1.1	12
40	Effects of hyperoxia and acrylonitrile on the phospholipase C isozyme protein levels in rat heart and brain. <i>Life Sciences</i> , 2003, 73, 1453-1462.	2.0	12
41	Possible involvement of 12-lipoxygenase activation in glucose-deprivation/reload-treated neurons. <i>Neuroscience Letters</i> , 2007, 429, 120-125.	1.0	12
42	Cytidine is a novel substrate for wild-type concentrative nucleoside transporter 2. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 439-443.	1.0	10
43	Possible involvement of PPAR β in the regulation of basal channel opening of P2X7 receptor in cultured mouse astrocytes. <i>Life Sciences</i> , 2009, 84, 825-831.	2.0	10
44	Peroxynitrite treatment reduces adenosine uptake via the equilibrative nucleoside transporter in rat astrocytes. <i>Neuroscience Letters</i> , 2011, 498, 52-56.	1.0	10
45	Opioid analgesics increase incidence of somnolence and dizziness as adverse effects of pregabalin: a retrospective study. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2015, 1, 30.	0.4	10
46	Oxaliplatin Alters Expression of T1R2 Receptor and Sensitivity to Sweet Taste in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 578-586.	0.6	10
47	Studies on interactions between traditional herbal and western medicines. IV: Lack of pharmacokinetic interactions between Saiko-ka-ryukotsu-borei-to and carbamazepine in rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2001, 26, 129-135.	0.6	9
48	Contribution of an unidentified sodium-dependent nucleoside transport system to the uptake and cytotoxicity of anthracycline in mouse M5076 ovarian sarcoma cells. <i>Biochemical Pharmacology</i> , 2006, 71, 565-573.	2.0	9
49	Mouse Equilibrative Nucleoside Transporter 2 (mENT2) Transports Nucleosides and Purine Nucleobases Differing from Human and Rat ENT2. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 979-981.	0.6	9
50	Expression of equilibrative nucleoside transporter 1 in rat circumvallate papillae. <i>Neuroscience Letters</i> , 2013, 533, 104-108.	1.0	9
51	The effect of divalent metal cations on zinc uptake by mouse Zrt/Irt-like protein 1 (ZIP1). <i>Life Sciences</i> , 2014, 113, 40-44.	2.0	9
52	Uptake of the anthracycline pirarubicin into mouse M5076 ovarian sarcoma cells via a sodium-dependent nucleoside transport system. <i>Cancer Chemotherapy and Pharmacology</i> , 2005, 55, 222-230.	1.1	8
53	Novel Na ⁺ -independent and adenine-specific transport system for adenine in primary cultured rat cortical neurons. <i>Neuroscience Letters</i> , 2006, 407, 244-248.	1.0	8
54	NAD ⁺ influx through connexin hemichannels prevents poly(ADP-ribose) polymerase-mediated astrocyte death. <i>Life Sciences</i> , 2013, 92, 808-814.	2.0	8

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55	Inhibitory effect of divalent metal cations on zinc uptake via mouse Zrt-/Irt-like protein 8 (ZIP8). Life Sciences, 2017, 173, 80-85.	2.0	8
56	Species Difference in Sensitivity of Human and Mouse P2X7 Receptors to Inhibitory Effects of Divalent Metal Cations. Biological and Pharmaceutical Bulletin, 2017, 40, 375-380.	0.6	8
57	Contribution of the Nucleoside Transport System to Doxorubicin Transport in HL60 Cells but Not in Mononuclear Cells. Japanese Journal of Cancer Research, 1999, 90, 781-787.	1.7	7
58	Protein kinase C-independent pathway for NADPH oxidase activation in guinea pig peritoneal polymorphonuclear leukocytes by cytochalasin D. Archives of Biochemistry and Biophysics, 2005, 438, 119-124.	1.4	7
59	Decreased Expression of Phospholipase C-BETA.1 Protein in Endoplasmic Reticulum Stress-Loaded Neurons. Biological and Pharmaceutical Bulletin, 2008, 31, 719-721.	0.6	7
60	Reproducible induction of depressive-like behavior in C57BL/6J mice exposed to chronic social defeat stress with a modified sensory contact protocol. Life Sciences, 2021, 282, 119821.	2.0	7
61	Dextran sulfate sodium-induced colitis in C57BL/6J mice increases their susceptibility to chronic unpredictable mild stress that induces depressive-like behavior. Life Sciences, 2022, 289, 120217.	2.0	7
62	Transport Mechanism of Pirarubicin in Human Mononuclear Cells.. Biological and Pharmaceutical Bulletin, 1996, 19, 1203-1209.	0.6	6
63	Bortezomib alters sour taste sensitivity in mice. Toxicology Reports, 2017, 4, 172-180.	1.6	6
64	Elevation of the Blood Glucose Level is Involved in an Increase in Expression of Sweet Taste Receptors in Taste Buds of Rat Circumvallate Papillae. Nutrients, 2020, 12, 990.	1.7	6
65	Transport characteristics of mouse concentrative nucleoside transporter 1. International Journal of Pharmaceutics, 2010, 388, 168-174.	2.6	5
66	Liposomalization of oxaliplatin induces skin accumulation of it, but negligible skin toxicity. Toxicology and Applied Pharmacology, 2017, 337, 76-84.	1.3	5
67	ATP metabolizing enzymes ENPP1, 2 and 3 are localized in sensory neurons of rat dorsal root ganglion. European Journal of Histochemistry, 2018, 62, 2877.	0.6	5
68	Differential expression profiles of PLC- β 1 and - β 1 in primary cultured rat cortical neurons treated with N-methyl-d-aspartate and peroxynitrite. Neuroscience Letters, 2004, 367, 246-249.	1.0	4
69	Ticlopidine inhibits activation of mitogen-activated protein kinase by platelet-derived growth factor in cultured rat renal mesangial cells. Clinical and Experimental Nephrology, 1998, 2, 117-123.	0.7	3
70	Alterations of Phospholipase C Isozymes in Rat Cerebral Cortex through Hyperoxia.. Biological and Pharmaceutical Bulletin, 2001, 24, 1241-1245.	0.6	3
71	Pharmacokinetics of diclofenac after its intrarectal and intracolostomal administration to rabbits with rectal resection or colostoma construction. Biopharmaceutics and Drug Disposition, 2001, 22, 31-39.	1.1	3
72	Intracellular labile zinc is a determinant of vulnerability of cultured astrocytes to oxidative stress. Neuroscience Letters, 2019, 707, 134315.	1.0	3

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73	Alteration of sweet taste receptor expression in circumvallate papillae of mice with decreased sweet taste preference induced by social defeat stress. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109055.	1.9	3
74	Decreased bioavailability of carbamazepine suppository after its intrarectal and intracolostomal administration to rectal-resected or colostoma-constructed rabbits. <i>International Journal of Pharmaceutics</i> , 2002, 241, 375-384.	2.6	2
75	Liposomalization of Oxaliplatin Exacerbates the Non-Liposomal Formulation-Induced Decrease of Sweet Taste Sensitivity in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3937-3945.	1.6	2
76	Bioavailability of a morphine suppository is increased after intracolostomal administration in colostoma-constructed rabbits. <i>International Journal of Pharmaceutics</i> , 2003, 265, 65-73.	2.6	1
77	Expression of Prostatic Acid Phosphatase in Rat Circumvallate Papillae. <i>PLoS ONE</i> , 2016, 11, e0158401.	1.1	1
78	Inhibitory Effects of Ticlopidine and Dilazep on Serum-Induced DNA Synthesis in Cultured Rat Renal Mesangial Cells.. <i>Japanese Journal of Hospital Pharmacy</i> , 1998, 24, 17-22.	0.0	1