Fuyuko Takata

List of Publications by Year
in descending order

48 papers	2,220 citations	279798 23 h-index	233421 45 g-index
49 all docs	49 docs citations	49 times ranked	2902 citing authors

#	Article	IF	Citations
1	Brain pericytes contribute to the induction and up-regulation of bloodâ€“brain barrier functions through transforming growth factor-Î² production. Brain Research, 2005, 1038, 208-215.	2.2	315
2	Detachment of Brain Pericytes from the Basal Lamina is Involved in Disruption of the Bloodâ€“Brain Barrier Caused by Lipopolysaccharide-Induced Sepsis in Mice. Cellular and Molecular Neurobiology, 2009, 29, 309-316.	3.3	156
3	Brain pericytes among cells constituting the blood-brain barrier are highly sensitive to tumor necrosis factor-Î±, releasing matrix metalloproteinase-9 and migrating in vitro. Journal of Neuroinflammation, 2011, 8, 106.	7.2	150
4	Blood-Brain Barrier Dysfunction Amplifies the Development of Neuroinflammation: Understanding of Cellular Events in Brain Microvascular Endothelial Cells for Prevention and Treatment of BBB Dysfunction. Frontiers in Cellular Neuroscience, 2021, 15, 661838.	3.7	147
5	Lipopolysaccharide-Activated Microglia Induce Dysfunction of the Bloodâ€“Brain Barrier in Rat Microvascular Endothelial Cells Co-Cultured with Microglia. Cellular and Molecular Neurobiology, 2010, 30, 247-253.	3.3	139
6	Tumor Necrosis Factor-Î± Mediates the Bloodâ€“Brain Barrier Dysfunction Induced by Activated Microglia in Mouse Brain Microvascular Endothelial Cells. Journal of Pharmacological Sciences, 2010, 112, 251-254.	2.5	138
7	Transforming Growth Factor-Â1 Upregulates the Tight Junction and P-glycoprotein of Brain Microvascular Endothelial Cells. Cellular and Molecular Neurobiology, 2004, 24, 491-497.	3.3	90
8	TNF-Î±-sensitive brain pericytes activate microglia by releasing IL-6 through cooperation between IÎºB-NFÎºB and JAK-STAT3 pathways. Brain Research, 2018, 1692, 34-44.	2.2	72
9	Monomeric Î±-synuclein induces bloodâ€“brain barrier dysfunction through activated brain pericytes releasing inflammatory mediators in vitro. Microvascular Research, 2019, 124, 61-66.	2.5	71
10	Metformin induces up-regulation of bloodâ€“brain barrier functions by activating AMP-activated protein kinase in rat brain microvascular endothelial cells. Biochemical and Biophysical Research Communications, 2013, 433, 586-590.	2.1	68
11	Brain pericytes are the most thrombin-sensitive matrix metalloproteinase-9-releasing cell type constituting the bloodâ€“brain barrier in vitro. Neuroscience Letters, 2015, 599, 109-114.	2.1	66
12	Tumor necrosis factor-Î±-stimulated brain pericytes possess a unique cytokine and chemokine release profile and enhance microglial activation. Neuroscience Letters, 2014, 578, 133-138.	2.1	64
13	Role of thrombin-PAR1-PKCÎ¸/Î´ axis in brain pericytes in thrombin-induced MMP-9 production and bloodâ€“brain barrier dysfunction in vitro. Neuroscience, 2017, 350, 146-157.	2.3	57
14	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
15	Brain-transportable dipeptides across the blood-brain barrier in mice. Scientific Reports, 2019, 9, 5769.	3.3	44
16	Autocrine and paracrine up-regulation of bloodâ€“brain barrier function by plasminogen activator inhibitor-1. Microvascular Research, 2011, 81, 103-107.	2.5	36
17	Oncostatin M induces functional and structural impairment of bloodâ€“brain barriers comprised of rat brain capillary endothelial cells. Neuroscience Letters, 2008, 441, 163-166.	2.1	35
18	Disruption of the bloodâ€“brain barrier in collagen-induced arthritic mice. Neuroscience Letters, 2010, 482, 208-211.	2.1	32

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19	Lipopolysaccharide-activated microglia lower P-glycoprotein function in brain microvascular endothelial cells. Neuroscience Letters, 2012, 524, 45-48.	2.1	31
20	Edaravone Protects against Methylglyoxal-Induced Barrier Damage in Human Brain Endothelial Cells. PLoS ONE, 2014, 9, e100152.	2.5	31
21	Contribution of thrombin-reactive brain pericytes to blood-brain barrier dysfunction in an in vivo mouse model of obesity-associated diabetes and an in vitro rat model. PLoS ONE, 2017, 12, e0177447.	2.5	30
22	Inhibition of Transforming Growth Factor-Î² Production in Brain Pericytes Contributes to Cyclosporin A-Induced Dysfunction of the Blood-Brain Barrier. Cellular and Molecular Neurobiology, 2007, 27, 317-328.	3.3	28
23	Nitric oxide mediates cyclosporine-induced impairment of the bloodâ€"brain barrier in cocultures of mouse brain endothelial cells and rat astrocytes. European Journal of Pharmacology, 2004, 505, 51-59.	3.5	25
24	Cyclosporin A induces hyperpermeability of the bloodâ€"brain barrier by inhibiting autocrine adrenomedullin-mediated up-regulation of endothelial barrier function. European Journal of Pharmacology, 2010, 644, 5-9.	3.5	25
25	Adverse Effect of Cyclosporin A on Barrier Functions of Cerebral Microvascular Endothelial Cells After Hypoxia-reoxygenation Damage InÂVitro. Cellular and Molecular Neurobiology, 2007, 27, 889-899.	3.3	24
26	Activation of the Î±7 nicotinic acetylcholine receptor upregulates blood-brain barrier function through increased claudin-5 and occludin expression in rat brain endothelial cells. Neuroscience Letters, 2019, 694, 9-13.	2.1	24
27	Oligodendrocytes upregulate blood-brain barrier function through mechanisms other than the PDGF-BB/PDGFRÎ± pathway in the barrier-tightening effect of oligodendrocyte progenitor cells. Neuroscience Letters, 2020, 715, 134594.	2.1	24
28	Brain-transportable soy dipeptide, Tyr-Pro, attenuates amyloid Î² peptide25-35-induced memory impairment in mice. Npj Science of Food, 2020, 4, 7.	5.5	24
29	The Neuroinflammatory Role of Pericytes in Epilepsy. Biomedicines, 2021, 9, 759.	3.2	24
30	Adrenomedullin-induced relaxation of rat brain pericytes is related to the reduced phosphorylation of myosin light chain through the cAMP/PKA signaling pathway. Neuroscience Letters, 2009, 449, 71-75.	2.1	23
31	Links between Immune Cells from the Periphery and the Brain in the Pathogenesis of Epilepsy: A Narrative Review. International Journal of Molecular Sciences, 2021, 22, 4395.	4.1	23
32	Protective Action of Indapamide, a Thiazide-Like Diuretic, on Ischemia-Induced Injury and Barrier Dysfunction in Mouse Brain Microvascular Endothelial Cells. Journal of Pharmacological Sciences, 2007, 103, 323-327.	2.5	19
33	Oncostatin Mâ€"induced bloodâ€brain barrier impairment is due to prolonged activation of STAT3 signaling in vitro. Journal of Cellular Biochemistry, 2018, 119, 9055-9063.	2.6	18
34	Serum amyloid A-induced blood-brain barrier dysfunction associated with decreased claudin-5 expression in rat brain endothelial cells and its inhibition by high-density lipoprotein in vitro. Neuroscience Letters, 2020, 738, 135352.	2.1	16
35	Oncostatin-M-Reactive Pericytes Aggravate Bloodâ€"Brain Barrier Dysfunction by Activating JAK/STAT3 Signaling In Vitro. Neuroscience, 2019, 422, 12-20.	2.3	15
36	Interleukin-1Î² in peripheral monocytes is associated with seizure frequency in pediatric drug-resistant epilepsy. Journal of Neuroimmunology, 2021, 352, 577475.	2.3	15

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37	Brain pericyte-derived soluble factors enhance insulin sensitivity in GT1-7 hypothalamic neurons. Biochemical and Biophysical Research Communications, 2015, 457, 532-537.	2.1	13
38	Analysis of Catecholamine and Their Metabolites in Mice Brain by Liquid Chromatography-Mass Spectrometry Using Sulfonated Mixed-mode Copolymer Column. Analytical Sciences, 2019, 35, 433-439.	1.6	12
39	Reactive pericytes in early phase are involved in glial activation and late-onset hypersusceptibility to pilocarpine-induced seizures in traumatic brain injury model mice. Journal of Pharmacological Sciences, 2021, 145, 155-165.	2.5	11
40	Elevated permeability of the bloodâ€“brain barrier in mice intratracheally administered porcine pancreatic elastase. Journal of Pharmacological Sciences, 2015, 129, 78-81.	2.5	9
41	Feeding-produced subchronic high plasma levels of uric acid improve behavioral dysfunction in 6-hydroxydopamine-induced mouse model of Parkinsonâ€™s disease. Behavioural Pharmacology, 2019, 30, 89-94.	1.7	6
42	Partial hepatectomy aggravates cyclosporin A-induced neurotoxicity by lowering the function of the bloodâ€“brain barrier in mice. Life Sciences, 2011, 88, 529-534.	4.3	5
43	Increased Plasma VEGF Levels in Patients with Cerebral Large Artery Disease Are Associated with Cerebral Microbleeds. Cerebrovascular Diseases Extra, 2019, 9, 25-30.	1.5	1
44	Dysregulation of the CNS supporting vascular and glial cells induces the late posttraumatic epilepsy in mice with mild traumatic brain injury. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-87.	0.0	1
45	Inflammatory Mediators Released by Brain Pericytes as Sensors and Effectors in Blood-Brain Barrier Dysfunction. Pancreatic Islet Biology, 2021, , 145-164.	0.3	0
46	Oncostatin M downregulates the brain endothelial barrier integrity through long-lasting activation of JAK/STAT3 pathway. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-43.	0.0	0
47	In response to monomeric Î±-synuclein, brain pericytes release inflammatory cytokines to impair brain endothelial barrier. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-28.	0.0	0
48	Effect of the heat-not-burn tobacco-extracted substances on the brain endothelial barrier function in vitro. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-13-5.	0.0	0