Tomoyuki Furuyashiki

List of Publications by Year
in descending order

82	4,392	136740	110170
papers	citations	32 h-index	64 g-index

91	91	91	5881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination of microtubules and the actin cytoskeleton by the Rho effector mDia1. Nature Cell Biology, 2001, 3, 8-14.	4.6	314
2	Rhotekin, a New Putative Target for Rho Bearing Homology to a Serine/Threonine Kinase, PKN, and Rhophilin in the Rho-binding Domain. Journal of Biological Chemistry, 1996, 271, 13556-13560.	1.6	313
3	A Critical Role for a Rho-Associated Kinase, p160ROCK, in Determining Axon Outgrowth in Mammalian CNS Neurons. Neuron, 2000, 26, 431-441.	3.8	284
4	Central control of fever and female body temperature by RANKL/RANK. Nature, 2009, 462, 505-509.	13.7	212
5	The Innate Immune Receptors TLR2/4 Mediate Repeated Social Defeat Stress-Induced Social Avoidance through Prefrontal Microglial Activation. Neuron, 2018, 99, 464-479.e7.	3.8	202
6	ROCK and mDia1 antagonize in Rho-dependent Rac activation in Swiss 3T3 fibroblasts. Journal of Cell Biology, 2002, 157, 819-830.	2.3	193
7	Control of axon elongation via an SDF-1Î±/Rho/mDia pathway in cultured cerebellar granule neurons. Journal of Cell Biology, 2003, 161, 381-391.	2.3	177
8	A novel partner for the GTP-bound forms ofrhoandrac. FEBS Letters, 1995, 377, 243-248.	1.3	156
9	PGE₂â€EP₂ signalling in endothelium is activated by haemodynamic stress and induces cerebral aneurysm through an amplifying loop via NFâ€ºB. British Journal of Pharmacology, 2011, 163, 1237-1249.	2.7	155
10	Enhanced cocaine responsiveness and impaired motor coordination in metabotropic glutamate receptor subtype 2 knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4170-4175.	3.3	140
11	A role for mDia, a Rho-regulated actin nucleator, in tangential migration of interneuron precursors. Nature Neuroscience, 2012, 15, 373-380.	7.1	122
12	Prostaglandin E₂-Mediated Attenuation of Mesocortical Dopaminergic Pathway Is Critical for Susceptibility to Repeated Social Defeat Stress in Mice. Journal of Neuroscience, 2012, 32, 4319-4329.	1.7	115
13	Prostaglandin E receptor EP1 controls impulsive behavior under stress. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16066-16071.	3.3	105
14	Stress responses: the contribution of prostaglandin E2 and its receptors. Nature Reviews Endocrinology, 2011, 7, 163-175.	4.3	99
15	Impaired adrenocorticotropic hormone response to bacterial endotoxin in mice deficient in prostaglandin E receptor EP1 and EP3 subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4132-4137.	3.3	98
16	Citron, a Rho-Target, Interacts with PSD-95/SAP-90 at Glutamatergic Synapses in the Thalamus. Journal of Neuroscience, 1999, 19, 109-118.	1.7	97
17	Facilitation of Th1-mediated immune response by prostaglandin E receptor EP1. Journal of Experimental Medicine, 2007, 204, 2865-2874.	4.2	84
18	Multiple spatiotemporal modes of actin reorganization by NMDA receptors and voltage-gated Ca2+ channels. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14458-14463.	3.3	83

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19	Dopamine D1 receptor subtype mediates acute stress-induced dendritic growth in excitatory neurons of the medial prefrontal cortex and contributes to suppression of stress susceptibility in mice. Molecular Psychiatry, 2018, 23, 1717-1730.	4.1	82
20	The combined effect of clothianidin and environmental stress on the behavioral and reproductive function in male mice. Journal of Veterinary Medical Science, 2015, 77, 1207-1215.	0.3	64
21	Fever, inflammation, pain and beyond: prostanoid receptor research during these 25 years. FASEB Journal, 2011, 25, 813-818.	0.2	61
22	Rat Orbitofrontal Cortex Separately Encodes Response and Outcome Information during Performance of Goal-Directed Behavior. Journal of Neuroscience, 2008, 28, 5127-5138.	1.7	54
23	Molecular Cloning and Characterization of CLICK-III/CaMKIÎ³, a Novel Membrane-anchored Neuronal Ca2+/Calmodulin-dependent Protein Kinase (CaMK). Journal of Biological Chemistry, 2003, 278, 18597-18605.	1.6	50
24	Depressive-Like Behaviors Are Regulated by NOX1/NADPH Oxidase by Redox Modification of NMDA Receptor 1. Journal of Neuroscience, 2017, 37, 4200-4212.	1.7	50
25	Prostaglandin E₂Acts on EP₁Receptor and Amplifies Both Dopamine D₁and D₂Receptor Signaling in the Striatum. Journal of Neuroscience, 2007, 27, 12900-12907.	1.7	48
26	Deficiency of mDia, an Actin Nucleator, Disrupts Integrity of Neuroepithelium and Causes Periventricular Dysplasia. PLoS ONE, 2011, 6, e25465.	1.1	46
27	Molecular Identification and Characterization of a Family of Kinases with Homology to Ca2+/Calmodulin-dependent Protein Kinases I/IV. Journal of Biological Chemistry, 2006, 281, 20427-20439.	1.6	45
28	G-CSF-induced sympathetic tone provokes fever and primes antimobilizing functions of neutrophils via PGE2. Blood, 2017, 129, 587-597.	0.6	45
29	Prostaglandin E2 regulates murine hematopoietic stem/progenitor cells directly via EP4 receptor and indirectly through mesenchymal progenitor cells. Blood, 2013, 121, 1995-2007.	0.6	43
30	Citron, a Rho target that affects contractility during cytokinesis. , 2000, 49, 123-126.		42
31	Roles of prostaglandin E receptors in stress responses. Current Opinion in Pharmacology, 2009, 9, 31-38.	1.7	41
32	Social defeat stress-specific increase in c-Fos expression in the extended amygdala in mice: Involvement of dopamine D1 receptor in the medial prefrontal cortex. Scientific Reports, 2019, 9, 16670.	1.6	41
33	Roles of multiple lipid mediators in stress and depression. International Immunology, 2019, 31, 579-587.	1.8	41
34	Ulk2 controls cortical excitatoryâ€“inhibitory balance via autophagic regulation of p62 and GABAA receptor trafficking in pyramidal neurons. Human Molecular Genetics, 2018, 27, 3165-3176.	1.4	39
35	Single-Shot 10K Proteome Approach: Over 10,000 Protein Identifications by Data-Independent Acquisition-Based Single-Shot Proteomics with Ion Mobility Spectrometry. Journal of Proteome Research, 2022, 21, 1418-1427.	1.8	37
36	Orally administered rubiscolinâ€6, a Î´ opioid peptide derived from Rubisco, stimulates food intake via leptomeningeal lipocallinâ€type prostaglandin <scp>D</scp> synthase in mice. Molecular Nutrition and Food Research, 2012, 56, 1315-1323.	1.5	36

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37	The CCAAT/enhancer-binding protein delta/miR135a/thrombospondin 1 axis mediates PGE2-induced angiogenesis in Alzheimer's disease. Neurobiology of Aging, 2015, 36, 1356-1368.	1.5	33
38	mDia and ROCK Mediate Actin-Dependent Presynaptic Remodeling Regulating Synaptic Efficacy and Anxiety. Cell Reports, 2016, 17, 2405-2417.	2.9	32
39	Neural Encoding in the Orbitofrontal Cortex Related to Goalâ€Directed Behavior. Annals of the New York Academy of Sciences, 2007, 1121, 193-215.	1.8	28
40	Prostaglandin E receptor EP1 enhances GABAâ€mediated inhibition of dopaminergic neurons in the substantia nigra pars compacta and regulates dopamine level in the dorsal striatum. European Journal of Neuroscience, 2009, 30, 2338-2346.	1.2	28
41	Roles of Dopamine and Inflammation-Related Molecules in Behavioral Alterations Caused by Repeated Stress. Journal of Pharmacological Sciences, 2012, 120, 63-69.	1.1	28
42	Improvement of PTSD-like behavior by the forgetting effect of hippocampal neurogenesis enhancer memantine in a social defeat stress paradigm. Molecular Brain, 2019, 12, 68.	1.3	26
43	Isoâ€Î±â€acids, the bitter components of beer, improve hippocampusâ€dependent memory through vagus nerve activation. FASEB Journal, 2019, 33, 4987-4995.	0.2	23
44	Central PGE2exhibits anxiolytic-like activity via EP1and EP4receptors in a manner dependent on serotonin 5-HT1A, dopamine D1and GABAAreceptors. FEBS Letters, 2011, 585, 2357-2362.	1.3	22
45	Tryptophan-Tyrosine Dipeptide, the Core Sequence of Î²-Lactolin, Improves Memory by Modulating the Dopamine System. Nutrients, 2019, 11, 348.	1.7	22
46	Neural mechanisms underlying adaptive and maladaptive consequences of stress: Roles of dopaminergic and inflammatory responses. Psychiatry and Clinical Neurosciences, 2019, 73, 669-675.	1.0	21
47	Repeated social defeat stress impairs attentional set shifting irrespective of social avoidance and increases female preference associated with heightened anxiety. Scientific Reports, 2018, 8, 10454.	1.6	20
48	Repeated social defeat stress induces neutrophil mobilization in mice: maintenance after cessation of stress and strainâ€dependent difference in response. British Journal of Pharmacology, 2021, 178, 827-844.	2.7	20
49	Leucineâ€“Histidine Dipeptide Attenuates Microglial Activation and Emotional Disturbances Induced by Brain Inflammation and Repeated Social Defeat Stress. Nutrients, 2019, 11, 2161.	1.7	19
50	Three-dimensional fluorescence imaging using the transport of intensity equation. Journal of Biomedical Optics, 2019, 25, 1.	1.4	19
51	Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance. Neural Plasticity, 2022, 2022, 1-13.	1.0	19
52	The impact of stress on immune systems and its relevance to mental illness. Neuroscience Research, 2022, 175, 16-24.	1.0	17
53	Prostaglandin E Receptor EP1 Forms a Complex with Dopamine D1 Receptor and Directs D1-Induced cAMP Production to Adenylyl Cyclase 7 through Mobilizing Gî²î³Subunits in Human Embryonic Kidney 293T Cells. Molecular Pharmacology, 2013, 84, 476-486.	1.0	15
54	Tor Signaling Regulates Transcription of Amino Acid Permeases through a GATA Transcription Factor Gaf1 in Fission Yeast. PLoS ONE, 2015, 10, e0144677.	1.1	15

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55	The Lacto-Tetrapeptide Glyâ€“Thrâ€“Trpâ€“Tyr, Î²-Lactolin, Improves Spatial Memory Functions via Dopamine Release and D1 Receptor Activation in the Hippocampus. Nutrients, 2019, 11, 2469.	1.7	15
56	Roles of Toll-like receptor 2/4, monoacylglycerol lipase, and cyclooxygenase in social defeat stress-induced prostaglandin E2 synthesis in the brain and their behavioral relevance. Scientific Reports, 2019, 9, 17548.	1.6	15
57	Constitutive Tor2 Activity Promotes Retention of the Amino Acid Transporter Agp3 at Trans-Golgi/Endosomes in Fission Yeast. PLoS ONE, 2015, 10, e0139045.	1.1	14
58	Resting-state dopaminergic cell firing in the ventral tegmental area negatively regulates affiliative social interactions in a developmental animal model of schizophrenia. Translational Psychiatry, 2021, 11, 236.	2.4	14
59	Single-Cell RNA Sequencing Reveals a Distinct Immune Landscape of Myeloid Cells in Coronary Culprit Plaques Causing Acute Coronary Syndrome. Circulation, 2022, 145, 1434-1436.	1.6	14
60	Thromboxane receptor activation enhances striatal dopamine release, leading to suppression of GABAergic transmission and enhanced sugar intake. European Journal of Neuroscience, 2011, 34, 594-604.	1.2	13
61	Mobilization efficiency is critically regulated by fat via marrow PPARÎ´. Haematologica, 2021, 106, 1671-1683.	1.7	13
62	Stress-induced sleep-like inactivity modulates stress susceptibility in mice. Scientific Reports, 2020, 10, 19800.	1.6	10
63	Role of PGE-type receptor 4 in auditory function and noise-induced hearing loss in mice. Neuropharmacology, 2012, 62, 1841-1847.	2.0	9
64	EphA4â€dependent axon retraction and midline localization of <scp>E</scp>phrinâ€<scp>B</scp>3 are disrupted in the spinal cord of mice lacking <scp>mD</scp>ia1 and <scp>mD</scp>ia3 in combination. Genes To Cells, 2013, 18, 873-885.	0.5	9
65	The Loss of Lam2 and Npr2-Npr3 Diminishes the Vacuolar Localization of Gtr1-Gtr2 and Disinhibits TORC1 Activity in Fission Yeast. PLoS ONE, 2016, 11, e0156239.	1.1	8
66	Characterization of Tamoxifen as an Antifungal Agent Using the Yeast Schizosaccharomyces Pombe Model Organism. Kobe Journal of Medical Sciences, 2015, 61, E54-63.	0.2	8
67	Social defeat stress induces phosphorylation of extracellular signalâ€regulated kinase in the leptomeninges in mice. Neuropsychopharmacology Reports, 2019, 39, 134-139.	1.1	7
68	Hop Bitter Acids Increase Hippocampal Dopaminergic Activity in a Mouse Model of Social Defeat Stress. International Journal of Molecular Sciences, 2020, 21, 9612.	1.8	6
69	The transcription factor Hhex regulates inflammation-related genes in microglia. Journal of Pharmacological Sciences, 2022, 149, 166-171.	1.1	5
70	Azoles activate Atf1â€mediated transcription through <scp>MAP</scp> kinase pathway for antifungal effects in fission yeast. Genes To Cells, 2015, 20, 695-705.	0.5	4
71	Chronic social defeat stress increases the amounts of 12-lipoxygenase lipid metabolites in the nucleus accumbens of stress-resilient mice. Scientific Reports, 2022, 12, .	1.6	3
72	The MluI Cell Cycle Box (MCB) Motifs, but Not Damage-Responsive Elements (DREs), Are Responsible for the Transcriptional Induction of the rhp51+ Gene in Response to DNA Replication Stress. PLoS ONE, 2014, 9, e111936.	1.1	2

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73	Genetic Interactions among AMPK Catalytic Subunit Ssp2 and Glycogen Synthase Kinases Gsk3 and Gsk31 in Schizosaccharomyces Pombe. Kobe Journal of Medical Sciences, 2016, 62, E70-8.	0.2	2
74	Roles of prostaglandin E2-EP4 signaling in functional hyperemia in the brain. Neuroscience Research, 2010, 68, e355.	1.0	0
75	Roles of thromboxane receptor in dopaminergic signaling in the striatum. Neuroscience Research, 2010, 68, e235.	1.0	0
76	Roles of mDia isoforms, a Rho effector, in neural development. Neuroscience Research, 2010, 68, e138.	1.0	0
77	Prostaglandin E2-mediated desensitization of mesocortical dopamine neurons is critical for susceptibility to repeated social defeat stress. Neuroscience Research, 2011, 71, e52.	1.0	0
78	Roles of dopaminergic systems and inflammation-related molecules derived from microglia in stress-induced behavioral changes. Pain Research, 2016, 31, 1-8.	0.1	0
79	Roles and Actions of Arachidonic Acid-Derived Bioactive Lipids in Stress-Related Behaviors. , 2015, , 315-328.		0
80	Social defeat stress increased interfaces between microglia and neurons in the medial prefrontal cortex of mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 2-P-171.	0.0	0
81	Correlation Between Lactic Acid Bacteria Beverage Intake and Stress Resilience. Kobe Journal of Medical Sciences, 2021, 67, E1-E6.	0.2	0
82	Analysis of aging-induced neural dysfunctions and their biological basis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 1-SS-43.	0.0	0