

Haruhiko Bito

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

12,887
citations

55
h-index

113
g-index

155
ext. papers

14,499
ext. citations

10.3
avg, IF

5.87
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 136 | Widespread transcription at neuronal activity-regulated enhancers. <i>Nature</i> , 2010 , 465, 182-7 | 50.4 | 1687 |
| 135 | CREB phosphorylation and dephosphorylation: a Ca(2+)- and stimulus duration-dependent switch for hippocampal gene expression. <i>Cell</i> , 1996 , 87, 1203-14 | 56.2 | 980 |
| 134 | Signaling from synapse to nucleus: postsynaptic CREB phosphorylation during multiple forms of hippocampal synaptic plasticity. <i>Neuron</i> , 1996 , 16, 89-101 | 13.9 | 609 |
| 133 | Molecular dissection of the Rho-associated protein kinase (p160ROCK)-regulated neurite remodeling in neuroblastoma N1E-115 cells. <i>Journal of Cell Biology</i> , 1998 , 141, 1625-36 | 7.3 | 424 |
| 132 | Ptf1a, a bHLH transcriptional gene, defines GABAergic neuronal fates in cerebellum. <i>Neuron</i> , 2005 , 47, 201-13 | 13.9 | 418 |
| 131 | Schema-dependent gene activation and memory encoding in neocortex. <i>Science</i> , 2011 , 333, 891-5 | 33.3 | 397 |
| 130 | Role of citron kinase as a target of the small GTPase Rho in cytokinesis. <i>Nature</i> , 1998 , 394, 491-4 | 50.4 | 349 |
| 129 | Suppression of bone formation by osteoclastic expression of semaphorin 4D. <i>Nature Medicine</i> , 2011 , 17, 1473-80 | 50.5 | 345 |
| 128 | A critical role for a Rho-associated kinase, p160ROCK, in determining axon outgrowth in mammalian CNS neurons. <i>Neuron</i> , 2000 , 26, 431-41 | 13.9 | 273 |
| 127 | Regulation of osteoclast differentiation and function by the CaMK-CREB pathway. <i>Nature Medicine</i> , 2006 , 12, 1410-6 | 50.5 | 265 |
| 126 | Ca ²⁺ -dependent regulation in neuronal gene expression. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 419-29.6 | | 250 |
| 125 | Molecular cloning and expression of platelet-activating factor receptor from human leukocytes. <i>Journal of Biological Chemistry</i> , 1991 , 266, 20400-20405 | 5.4 | 224 |
| 124 | Inverse synaptic tagging of inactive synapses via dynamic interaction of Arc/Arg3.1 with CaMKII β . <i>Cell</i> , 2012 , 149, 886-98 | 56.2 | 222 |
| 123 | Sustained rescue of prefrontal circuit dysfunction by antidepressant-induced spine formation. <i>Science</i> , 2019 , 364, | 33.3 | 218 |
| 122 | Molecular cloning and expression of platelet-activating factor receptor from human leukocytes. <i>Journal of Biological Chemistry</i> , 1991 , 266, 20400-5 | 5.4 | 212 |
| 121 | Simultaneous fast measurement of circuit dynamics at multiple sites across the mammalian brain. <i>Nature Methods</i> , 2016 , 13, 325-8 | 21.6 | 200 |
| 120 | Synaptic activity-responsive element in the Arc/Arg3.1 promoter essential for synapse-to-nucleus signaling in activated neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 316-21 | 11.5 | 189 |

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|-----|--|------|-----|
| 119 | RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca ²⁺ channels. <i>Nature Neuroscience</i> , 2007 , 10, 691-701 | 25.5 | 186 |
| 118 | Platelet-activating factor (PAF) receptor in rat brain: PAF mobilizes intracellular Ca ²⁺ in hippocampal neurons. <i>Neuron</i> , 1992 , 9, 285-94 | 13.9 | 180 |
| 117 | Rational design of a high-affinity, fast, red calcium indicator R-CaMP2. <i>Nature Methods</i> , 2015 , 12, 64-70 | 21.6 | 179 |
| 116 | Critical dependence of cAMP response element-binding protein phosphorylation on L-type calcium channels supports a selective response to EPSPs in preference to action potentials. <i>Journal of Neuroscience</i> , 2000 , 20, 266-73 | 6.6 | 178 |
| 115 | Control of axon elongation via an SDF-1alpha/Rho/mDia pathway in cultured cerebellar granule neurons. <i>Journal of Cell Biology</i> , 2003 , 161, 381-91 | 7.3 | 161 |
| 114 | Differential control of postsynaptic density scaffolds via actin-dependent and -independent mechanisms. <i>Journal of Neuroscience</i> , 2006 , 26, 7693-706 | 6.6 | 157 |
| 113 | The Rho-mDia1 pathway regulates cell polarity and focal adhesion turnover in migrating cells through mobilizing Apc and c-Src. <i>Molecular and Cellular Biology</i> , 2006 , 26, 6844-58 | 4.8 | 147 |
| 112 | Dendritic Ca ²⁺ channels characterized by recordings from isolated hippocampal dendritic segments. <i>Neuron</i> , 1997 , 18, 651-63 | 13.9 | 134 |
| 111 | Chronic optogenetic activation augments alpha pathology in a mouse model of Alzheimer disease. <i>Cell Reports</i> , 2015 , 11, 859-865 | 10.6 | 132 |
| 110 | Synaptic tagging and capture: differential role of distinct calcium/calmodulin kinases in protein synthesis-dependent long-term potentiation. <i>Journal of Neuroscience</i> , 2010 , 30, 4981-9 | 6.6 | 125 |
| 109 | Calcium/calmodulin-dependent protein kinase type IV (CaMKIV) inhibits apoptosis induced by potassium deprivation in cerebellar granule neurons. <i>FASEB Journal</i> , 2001 , 15, 134-144 | 0.9 | 118 |
| 108 | Rational Engineering of XCaMPs, a Multicolor GECI Suite for In Vivo Imaging of Complex Brain Circuit Dynamics. <i>Cell</i> , 2019 , 177, 1346-1360.e24 | 56.2 | 111 |
| 107 | Ca(2+)/CREB/CBP-dependent gene regulation: a shared mechanism critical in long-term synaptic plasticity and neuronal survival. <i>Cell Calcium</i> , 2003 , 34, 425-30 | 4 | 111 |
| 106 | Stabilization of exocytosis by dynamic F-actin coating of zymogen granules in pancreatic acini. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37544-50 | 5.4 | 110 |
| 105 | Real-time measurements of protein dynamics using fluorescence activation-coupled protein labeling method. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6745-51 | 16.4 | 108 |
| 104 | Leukotriene A4 hydrolase is a zinc-containing aminopeptidase. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 173, 620-6 | 3.4 | 107 |
| 103 | Functional labeling of neurons and their projections using the synthetic activity-dependent promoter E-SARE. <i>Nature Methods</i> , 2013 , 10, 889-95 | 21.6 | 104 |
| 102 | Phosphatidylinositol 4,5-bisphosphate induces actin stress-fiber formation and inhibits membrane ruffling in CV1 cells. <i>Journal of Cell Biology</i> , 2001 , 152, 867-76 | 7.3 | 104 |

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|-----|---|------|----|
| 101 | A new era for functional labeling of neurons: activity-dependent promoters have come of age. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 37 | 3.5 | 99 |
| 100 | Different regions of Rho determine Rho-selective binding of different classes of Rho target molecules. <i>Journal of Biological Chemistry</i> , 1998 , 273, 18943-9 | 5.4 | 96 |
| 99 | Regulation of dendritogenesis via a lipid-raft-associated Ca ²⁺ /calmodulin-dependent protein kinase CLICK-III/CaMKIgamma. <i>Neuron</i> , 2007 , 54, 755-70 | 13.9 | 95 |
| 98 | Cupidin, an isoform of Homer/Vesl, interacts with the actin cytoskeleton and activated rho family small GTPases and is expressed in developing mouse cerebellar granule cells. <i>Journal of Neuroscience</i> , 1999 , 19, 8389-400 | 6.6 | 95 |
| 97 | Impaired adrenocorticotrophic hormone response to bacterial endotoxin in mice deficient in prostaglandin E receptor EP1 and EP3 subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4132-7 | 11.5 | 92 |
| 96 | Citron, a Rho-target, interacts with PSD-95/SAP-90 at glutamatergic synapses in the thalamus. <i>Journal of Neuroscience</i> , 1999 , 19, 109-18 | 6.6 | 89 |
| 95 | Platelet-activating factor receptor and signal transduction. <i>Biochemical Pharmacology</i> , 1992 , 44, 1001-8 | 6 | 88 |
| 94 | Calmodulin kinases: essential regulators in health and disease. <i>Journal of Neurochemistry</i> , 2017 , 141, 808-818 | 6 | 86 |
| 93 | Two different promoters direct expression of two distinct forms of mRNAs of human platelet-activating factor receptor. <i>FEBS Letters</i> , 1993 , 322, 129-34 | 3.8 | 85 |
| 92 | Prostaglandin E receptor EP1 controls impulsive behavior under stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16066-71 | 11.5 | 84 |
| 91 | Arc/Arg3.1 is a postsynaptic mediator of activity-dependent synapse elimination in the developing cerebellum. <i>Neuron</i> , 2013 , 78, 1024-35 | 13.9 | 82 |
| 90 | Pax6 regulates granule cell polarization during parallel fiber formation in the developing cerebellum. <i>Development (Cambridge)</i> , 2001 , 128, 3133-3144 | 6.6 | 81 |
| 89 | Functional coupling of SSTR4, a major hippocampal somatostatin receptor, to adenylate cyclase inhibition, arachidonate release and activation of the mitogen-activated protein kinase cascade.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 12722-12730 | 5.4 | 81 |
| 88 | Locally coordinated synaptic plasticity of visual cortex neurons in vivo. <i>Science</i> , 2018 , 360, 1349-1354 | 33.3 | 80 |
| 87 | Cloning, expression and tissue distribution of rat platelet-activating-factor-receptor cDNA. <i>FEBS Journal</i> , 1994 , 221, 211-8 | | 79 |
| 86 | Multiple spatiotemporal modes of actin reorganization by NMDA receptors and voltage-gated Ca ²⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14458-63 | 11.5 | 78 |
| 85 | Functional coupling of SSTR4, a major hippocampal somatostatin receptor, to adenylate cyclase inhibition, arachidonate release and activation of the mitogen-activated protein kinase cascade. <i>Journal of Biological Chemistry</i> , 1994 , 269, 12722-30 | 5.4 | 77 |
| 84 | Septins promote dendrite and axon development by negatively regulating microtubule stability via HDAC6-mediated deacetylation. <i>Nature Communications</i> , 2013 , 4, 2532 | 17.4 | 76 |

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|----|--|------|----|
| 83 | Control of cortical axon elongation by a GABA-driven Ca ²⁺ /calmodulin-dependent protein kinase cascade. <i>Journal of Neuroscience</i> , 2009 , 29, 13720-9 | 6.6 | 73 |
| 82 | Nonlinear decoding and asymmetric representation of neuronal input information by CaMKII β and calcineurin. <i>Cell Reports</i> , 2013 , 3, 978-87 | 10.6 | 58 |
| 81 | Region-specific activation of CRTIC1-CREB signaling mediates long-term fear memory. <i>Neuron</i> , 2014 , 84, 92-106 | 13.9 | 55 |
| 80 | Executive function deficits and social-behavioral abnormality in mice exposed to a low dose of dioxin in utero and via lactation. <i>PLoS ONE</i> , 2012 , 7, e50741 | 3.7 | 53 |
| 79 | Bi-directional regulation of postsynaptic cortactin distribution by BDNF and NMDA receptor activity. <i>European Journal of Neuroscience</i> , 2005 , 22, 2985-94 | 3.5 | 52 |
| 78 | Synaptic plasticity: A molecular mechanism for metaplasticity. <i>Current Biology</i> , 1995 , 5, 1334-8 | 6.3 | 52 |
| 77 | On the mechanism of cytosolic phospholipase A2 activation in CHO cells carrying somatostatin receptor: wortmannin-sensitive pathway to activate mitogen-activated protein kinase. <i>Biochemical and Biophysical Research Communications</i> , 1994 , 205, 18-23 | 3.4 | 48 |
| 76 | Opening wedge high tibial osteotomy affects both the lateral patellar tilt and patellar height. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010 , 18, 955-60 | 5.5 | 46 |
| 75 | The role of calcium in activity-dependent neuronal gene regulation. <i>Cell Calcium</i> , 1998 , 23, 143-50 | 4 | 46 |
| 74 | Molecular cloning and characterization of CLICK-III/CaMKI γ , a novel membrane-anchored neuronal Ca ²⁺ /calmodulin-dependent protein kinase (CaMK). <i>Journal of Biological Chemistry</i> , 2003 , 278, 18597-605 | 5.4 | 46 |
| 73 | Whole-brain mapping of behaviourally induced neural activation in mice. <i>Brain Structure and Function</i> , 2015 , 220, 2043-57 | 4 | 44 |
| 72 | In vitro stability of open wedge high tibial osteotomy with synthetic bone graft. <i>Knee</i> , 2010 , 17, 217-20 | 2.6 | 41 |
| 71 | Clinical results and radiographical evaluation of opening wedge high tibial osteotomy for spontaneous osteonecrosis of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009 , 17, 361-8 | 5.5 | 40 |
| 70 | Leukotriene A4 hydrolase, a bifunctional enzyme. Distinction of leukotriene A4 hydrolase and aminopeptidase activities by site-directed mutagenesis at Glu-297. <i>FEBS Letters</i> , 1992 , 309, 353-7 | 3.8 | 40 |
| 69 | Neuromodulatory effect of G β - or G γ -coupled G-protein-coupled receptor on NMDA receptor selectively activates the NMDA receptor/Ca ²⁺ /calcineurin/cAMP response element-binding protein-regulated transcriptional coactivator 1 pathway to effectively induce brain-derived neurotrophic factor expression in neurons. <i>Journal of Neuroscience</i> , 2015 , 35, 5606-24 | 6.6 | 39 |
| 68 | Simultaneous bilateral opening-wedge high tibial osteotomy with early full weight-bearing exercise. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008 , 16, 1030-7 | 5.5 | 38 |
| 67 | Activity-dependent regulation of beta-catenin via epsilon-cleavage of N-cadherin. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 951-8 | 3.4 | 38 |
| 66 | Pax6 regulates granule cell polarization during parallel fiber formation in the developing cerebellum. <i>Development (Cambridge)</i> , 2001 , 128, 3133-44 | 6.6 | 38 |

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|----|--|------|----|
| 65 | Histamine H3R receptor activation in the dorsal striatum triggers stereotypies in a mouse model of tic disorders. <i>Translational Psychiatry</i> , 2017 , 7, e1013 | 8.6 | 37 |
| 64 | Kilohertz two-photon brain imaging in awake mice. <i>Nature Methods</i> , 2019 , 16, 1119-1122 | 21.6 | 37 |
| 63 | A Critical Neurodevelopmental Role for L-Type Voltage-Gated Calcium Channels in Neurite Extension and Radial Migration. <i>Journal of Neuroscience</i> , 2018 , 38, 5551-5566 | 6.6 | 37 |
| 62 | Molecular identification and characterization of a family of kinases with homology to Ca ²⁺ /calmodulin-dependent protein kinases I/IV. <i>Journal of Biological Chemistry</i> , 2006 , 281, 20427-39 | 5.4 | 36 |
| 61 | A predictive factor for acquiring an ideal lower limb realignment after opening-wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009 , 17, 382-9 | 5.5 | 35 |
| 60 | Citron, a Rho target that affects contractility during cytokinesis. <i>Microscopy Research and Technique</i> , 2000 , 49, 123-6 | 2.8 | 34 |
| 59 | Arc restores juvenile plasticity in adult mouse visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9182-9187 | 11.5 | 30 |
| 58 | Histamine modulation of the basal ganglia circuitry in the development of pathological grooming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6599-6604 | 11.5 | 29 |
| 57 | Nrp2 is sufficient to instruct circuit formation of mitral-cells to mediate odour-induced attractive social responses. <i>Nature Communications</i> , 2017 , 8, 15977 | 17.4 | 27 |
| 56 | Stimulus-evoked ERK-dependent phosphorylation of activity-regulated cytoskeleton-associated protein (Arc) regulates its neuronal subcellular localization. <i>Neuroscience</i> , 2017 , 360, 68-80 | 3.9 | 26 |
| 55 | Leukotriene A4 hydrolase from guinea pig lung: the presence of two catalytically active forms. <i>Journal of Biochemistry</i> , 1989 , 105, 261-4 | 3.1 | 24 |
| 54 | Long-Term Consolidation of Ensemble Neural Plasticity Patterns in Hippocampal Area CA1. <i>Cell Reports</i> , 2018 , 25, 640-650.e2 | 10.6 | 24 |
| 53 | Inverse synaptic tagging: An inactive synapse-specific mechanism to capture activity-induced Arc/arg3.1 and to locally regulate spatial distribution of synaptic weights. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 77, 43-50 | 7.5 | 20 |
| 52 | Essential contribution of the ligand-binding beta B/beta C loop of PDZ1 and PDZ2 in the regulation of postsynaptic clustering, scaffolding, and localization of postsynaptic density-95. <i>Journal of Neuroscience</i> , 2006 , 26, 763-74 | 6.6 | 20 |
| 51 | Towards a better understanding of cognitive behaviors regulated by gene expression downstream of activity-dependent transcription factors. <i>Neurobiology of Learning and Memory</i> , 2014 , 115, 21-9 | 3.1 | 19 |
| 50 | Differential roles for CaM kinases in mediating excitation-morphogenesis coupling during formation and maturation of neuronal circuits. <i>European Journal of Neuroscience</i> , 2010 , 32, 224-30 | 3.5 | 19 |
| 49 | Class I histone deacetylase-mediated repression of the proximal promoter of the activity-regulated cytoskeleton-associated protein gene regulates its response to brain-derived neurotrophic factor. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6825-36 | 5.4 | 18 |
| 48 | Amino-acid sequence and tissue distribution of guinea-pig leukotriene A4 hydrolase. <i>Gene</i> , 1995 , 161, 249-51 | 3.8 | 17 |

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|----|--|------|----|
| 47 | Facilitation of axon outgrowth via a Wnt5a-CaMKK-CaMKII β pathway during neuronal polarization. <i>Molecular Brain</i> , 2016 , 9, 8 | 4.5 | 16 |
| 46 | Untangling the two-way signalling route from synapses to the nucleus, and from the nucleus back to the synapses. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130150 | 5.8 | 16 |
| 45 | Visualization of cortical projection neurons with retrograde TET-off lentiviral vector. <i>PLoS ONE</i> , 2012 , 7, e46157 | 3.7 | 16 |
| 44 | Neurochemical evidence for differential effects of acute and repeated oxytocin administration. <i>Molecular Psychiatry</i> , 2021 , 26, 710-720 | 15.1 | 16 |
| 43 | Dynamic control of neuronal morphogenesis by rho signaling. <i>Journal of Biochemistry</i> , 2003 , 134, 315-9 | 3.1 | 15 |
| 42 | Platelet-activating factor and somatostatin activate mitogen-activated protein kinase (MAP kinase) and arachidonate release. <i>Journal of Lipid Mediators and Cell Signalling</i> , 1996 , 14, 103-8 | | 15 |
| 41 | Astrocytes in the mouse visual cortex reliably respond to visual stimulation. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 505, 1216-1222 | 3.4 | 15 |
| 40 | Chronic imaging of movement-related Purkinje cell calcium activity in awake behaving mice. <i>Journal of Neurophysiology</i> , 2016 , 115, 413-22 | 3.2 | 14 |
| 39 | Synaptic activity-responsive element (SARE): A unique genomic structure with an unusual sensitivity to neuronal activity. <i>Communicative and Integrative Biology</i> , 2010 , 3, 443-6 | 1.7 | 13 |
| 38 | The chemical biology of synapses and neuronal circuits. <i>Nature Chemical Biology</i> , 2010 , 6, 560-3 | 11.7 | 11 |
| 37 | DCLK1. <i>The AFCS-nature Molecule Pages</i> , | | 10 |
| 36 | Delayed Degradation and Impaired Dendritic Delivery of Intron-Lacking β -gal mRNA in Transgenic Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 435 | 6.1 | 9 |
| 35 | Calpain-mediated degradation of myocyte enhancer factor 2D contributes to excitotoxicity by activation of extrasynaptic N-methyl-D-aspartate receptors. <i>Journal of Biological Chemistry</i> , 2012 , 287, 5797-805 | 5.4 | 9 |
| 34 | CaMKII β s localized in dendritic spines as both drebrin-dependent and drebrin-independent pools. <i>Journal of Neurochemistry</i> , 2018 , 146, 145-159 | 6 | 8 |
| 33 | Higher Arc Nucleus-to-Cytoplasm Ratio during Sleep in the Superficial Layers of the Mouse Cortex. <i>Frontiers in Neural Circuits</i> , 2017 , 11, 60 | 3.5 | 8 |
| 32 | Deciphering the molecular rules governing synaptic targeting of the memory-related protein Arc. <i>Communicative and Integrative Biology</i> , 2012 , 5, 496-8 | 1.7 | 8 |
| 31 | Dissociating orexin-dependent and -independent functions of orexin neurons using novel Orexin-Flp knock-in mice. <i>ELife</i> , 2019 , 8, | 8.9 | 8 |
| 30 | Targeting oxytocin receptor (Oxtr)-expressing neurons in the lateral septum to restore social novelty in autism spectrum disorder mouse models. <i>Scientific Reports</i> , 2020 , 10, 22173 | 4.9 | 8 |

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|----|--|------|---|
| 29 | GABAergic neurons in the olfactory cortex projecting to the lateral hypothalamus in mice. <i>Scientific Reports</i> , 2019 , 9, 7132 | 4.9 | 7 |
| 28 | Platelet-activating factor receptor. <i>Journal of Lipid Mediators and Cell Signalling</i> , 1995 , 12, 429-42 | | 7 |
| 27 | Activation of mitogen-activated protein kinase and arachidonate release via two G protein-coupled receptors expressed in the rat hippocampus. <i>Annals of the New York Academy of Sciences</i> , 1994 , 744, 107-25 | 6.5 | 7 |
| 26 | Expression of c-Fos and Arc in hippocampal region CA1 marks neurons that exhibit learning-related activity changes | | 6 |
| 25 | Comparative Studies of the Fluorescence Properties of Microbial Rhodopsins: Spontaneous Emission Versus Photointermediate Fluorescence. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 7361-7367 ³⁻⁴ | | 6 |
| 24 | Characterization of platelet-activating factor (PAF) receptor in the rat brain. <i>Journal of Lipid Mediators</i> , 1993 , 6, 169-74 | | 5 |
| 23 | Photolytic Release of a Caged Inhibitor of an Endogenous Transcription Factor Enables Optochemical Control of CREB-Mediated Gene Expression. <i>Organic Letters</i> , 2020 , 22, 22-25 | 6.2 | 5 |
| 22 | Development of an L-type Ca channel-dependent Ca transient during the radial migration of cortical excitatory neurons. <i>Neuroscience Research</i> , 2021 , 169, 17-26 | 2.9 | 5 |
| 21 | Involvement of SRF coactivator MKL2 in BDNF-mediated activation of the synaptic activity-responsive element in the Arc gene. <i>Journal of Neurochemistry</i> , 2019 , 148, 204-218 | 6 | 5 |
| 20 | Molecular characterization and physiological functions of PAF receptors. <i>Advances in Experimental Medicine and Biology</i> , 1997 , 400A, 215-21 | 3.6 | 5 |
| 19 | Retained Plasticity and Substantial Recovery of Rod-Mediated Visual Acuity at the Visual Cortex in Blind Adult Mice with Retinal Dystrophy. <i>Molecular Therapy</i> , 2018 , 26, 2397-2406 | 11.7 | 2 |
| 18 | Functional emergence of a column-like architecture in layer 5 of mouse somatosensory cortex in vivo. <i>Journal of Physiological Sciences</i> , 2019 , 69, 65-77 | 2.3 | 2 |
| 17 | Functional correlates of immediate early gene expression in mouse visual cortex | | 2 |
| 16 | Quantification of native mRNA dynamics in living neurons using fluorescence correlation spectroscopy and reduction-triggered fluorescent probes. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7923-7940 | 5.4 | 1 |
| 15 | Plasmodium induced by SU6656, an Src family kinase inhibitor, is accompanied by a contractile ring defect. <i>Cell Biochemistry and Function</i> , 2012 , 30, 33-40 | 4.2 | 1 |
| 14 | Molecular cloning of a novel type of somatostatin receptor and platelet-activating factor receptor cDNAs from rat. <i>Annals of the New York Academy of Sciences</i> , 1993 , 707, 480-1 | 6.5 | 1 |
| 13 | Three types of Gi alpha protein of the guinea-pig lung: cDNA cloning and analysis of their tissue distribution. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1175, 61-6 | 4.9 | 1 |
| 12 | Site-directed mutagenesis of leukotriene A4 hydrolase: distinction of leukotriene A4 hydrolase and aminopeptidase activities. <i>Journal of Lipid Mediators</i> , 1993 , 6, 53-8 | | 1 |

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|----|--|------|-----|
| 11 | Locally coordinated synaptic plasticity shapes cell-wide plasticity of visual cortex neurons in vivo | | 1 |
| 10 | A Photodeactivatable Antagonist for Controlling CREB-Dependent Gene Expression. <i>ACS Central Science</i> , 2020 , 6, 1813-1818 | 16.8 | 1 |
| 9 | Distinctive Regulation of Emotional Behaviors and Fear-Related Gene Expression Responses in Two Extended Amygdala Subnuclei With Similar Molecular Profiles. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 741895 | 6.1 | 1 |
| 8 | Identification of ultra-rare disruptive variants in voltage-gated calcium channel-encoding genes in Japanese samples of schizophrenia and autism spectrum disorder.. <i>Translational Psychiatry</i> , 2022 , 12, 84 | 8.6 | 1 |
| 7 | Cooperation of LIM domain-binding 2 (LDB2) with EGR in the pathogenesis of schizophrenia. <i>EMBO Molecular Medicine</i> , 2021 , 13, e12574 | 12 | 0 |
| 6 | Fhod3 Controls the Dendritic Spine Morphology of Specific Subpopulations of Pyramidal Neurons in the Mouse Cerebral Cortex. <i>Cerebral Cortex</i> , 2021 , 31, 2205-2219 | 5.1 | 0 |
| 5 | A Flp-dependent G-CaMP9a transgenic mouse for neuronal imaging .. <i>Cell Reports Methods</i> , 2022 , 2, 100168 | | 0 |
| 4 | Activity-dependent Gene Regulation: How Do Synapses Talk to the Nucleus and Fine-tune Neuronal Outputs? 2007 , 207-217 | | |
| 3 | Synaptic Modulation of Dendritic Ca ²⁺ influx and Gene Expression 2000 , 182-187 | | |
| 2 | Dual color Ca ²⁺ imaging of neuron-astrocyte interaction. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO1-1-105 | | 0 |
| 1 | 2019??????? ??????????????????2019(SNSS2019) ??????. <i>The Brain & Neural Networks</i> , 2019 , 26, 99-103 | | 0.1 |