Teiichi Furuichi

List of Publications by Year
in descending order

169 papers	11,997 citations	28190 55 h-index	27345 106 g-index
182 all docs	182 docs citations	182 times ranked	9157 citing authors

#	Article	IF	Citations
1	Improved clearing method contributes to deep imaging of plant organs. Communications Biology, 2022, 5, 12.	2.0	17
2	The Ser19Stop single nucleotide polymorphism (SNP) of human PHYHIPL affects the cerebellum in mice. Molecular Brain, 2021, 14, 52.	1.3	1
3	CAPS1 is involved in hippocampal synaptic plasticity and hippocampus-associated learning. Scientific Reports, 2021, 11, 8656.	1.6	4
4	CAPS2 Deficiency Impairs the Release of the Social Peptide Oxytocin, as Well as Oxytocin-Associated Social Behavior. Journal of Neuroscience, 2021, 41, 4524-4535.	1.7	9
5	The physiological role of Homer2a and its novel short isoform, Homer2e, in NMDA receptor-mediated apoptosis in cerebellar granule cells. Molecular Brain, 2021, 14, 90.	1.3	0
6	Task-Related c-Fos Expression in the Posterior Parietal Cortex During the â€œRubber Tail Taskâ€•Is Diminished in Ca2+-Dependent Activator Protein for Secretion 2 (Caps2)-Knockout Mice. Frontiers in Behavioral Neuroscience, 2021, 15, 680206.	1.0	0
7	3D Body Parts Tracking of Mouse Based on RGB-D Video from Under an Open Field. , 2021, 2021, 7252-7255.		3
8	CAPS2 deficiency induces proopiomelanocortin accumulation in pituitary and affects food intake behavior in mice. Neuroscience Letters, 2020, 738, 135335.	1.0	2
9	Cortico-amygdala interaction determines the insular cortical neurons involved in taste memory retrieval. Molecular Brain, 2020, 13, 107.	1.3	21
10	Journey of brain-derived neurotrophic factor: from intracellular trafficking to secretion. Cell and Tissue Research, 2020, 382, 125-134.	1.5	14
11	Comprehensive Profiling of Gene Expression in the Cerebral Cortex and Striatum of BTBRTF/ArtRbrc Mice Compared to C57BL/6J Mice. Frontiers in Cellular Neuroscience, 2020, 14, 595607.	1.8	8
12	Excitation of prefrontal cortical neurons during conditioning enhances fear memory formation. Scientific Reports, 2020, 10, 8613.	1.6	5
13	Comparative gene expression analysis of the engulfment and cell motility (ELMO) protein family in the mouse brain. Gene Expression Patterns, 2019, 34, 119070.	0.3	3
14	Deletion of Class II ADP-Ribosylation Factors in Mice Causes Tremor by the Nav1.6 Loss in Cerebellar Purkinje Cell Axon Initial Segments. Journal of Neuroscience, 2019, 39, 6339-6353.	1.7	8
15	Rubber tail illusion is weakened in Ca2+-dependent activator protein for secretion 2 (Caps2)-knockout mice. Scientific Reports, 2019, 9, 7552.	1.6	8
16	LAMP5 in presynaptic inhibitory terminals in the hindbrain and spinal cord: a role in startle response and auditory processing. Molecular Brain, 2019, 12, 20.	1.3	13
17	Aspects of excitatory/inhibitory synapses in multiple brain regions are correlated with levels of brain-derived neurotrophic factor/neurotrophin-3. Biochemical and Biophysical Research Communications, 2019, 509, 429-434.	1.0	5
18	ViBrism DB: an interactive search and viewer platform for 2D/3D anatomical images of gene expression and co-expression networks. Nucleic Acids Research, 2019, 47, D859-D866.	6.5	4

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19	Calcium-dependent activator protein for secretion 2 (CADPS2) deficiency causes abnormal synapse development in hippocampal mossy fiber terminals. Neuroscience Letters, 2018, 677, 65-71.	1.0	6
20	Analysis of gene expression in Ca-dependent activator protein for secretion 2 (Cadps2) knockout cerebellum using GeneChip and KEGG pathways. Neuroscience Letters, 2017, 639, 88-93.	1.0	11
21	CAPS2 deficiency affects environmental enrichment-induced adult neurogenesis and differentiation/survival of newborn neurons in the hippocampal dentate gyrus. Neuroscience Letters, 2017, 661, 121-125.	1.0	7
22	Deltamethrin Increases Neurite Outgrowth in Cortical Neurons through Endogenous BDNF/TrkB Pathways. Cell Structure and Function, 2017, 42, 141-148.	0.5	11
23	RNG105/caprin1, an RNA granule protein for dendritic mRNA localization, is essential for long-term memory formation. ELife, 2017, 6, .	2.8	45
24	The brain-specific RasGEF very-KIND is required for normal dendritic growth in cerebellar granule cells and proper motor coordination. PLoS ONE, 2017, 12, e0173175.	1.1	11
25	Low doses of the mycotoxin citrinin protect cortical neurons against glutamate-induced excitotoxicity. Journal of Toxicological Sciences, 2016, 41, 311-319.	0.7	18
26	CAPS1 stabilizes the state of readily releasable synaptic vesicles to fusion competence at CA3â€“CA1 synapses in adult hippocampus. Scientific Reports, 2016, 6, 31540.	1.6	19
27	Galacto-N-biose is neuroprotective against glutamate-induced excitotoxicity in vitro. European Journal of Pharmacology, 2016, 791, 711-717.	1.7	8
28	Interaction of Ca2+-dependent activator protein for secretion 1 (CAPS1) with septin family proteins in mouse brain. Neuroscience Letters, 2016, 617, 232-235.	1.0	10
29	Mammalian-Specific Central Myelin Protein Opalin Is Redundant for Normal Myelination: Structural and Behavioral Assessments. PLoS ONE, 2016, 11, e0166732.	1.1	8
30	Lack of stress responses to long-term effects of corticosterone in Caps2 knockout mice. Scientific Reports, 2015, 5, 8932.	1.6	15
31	Broad Integration of Expression Maps and Co-Expression Networks Compassing Novel Gene Functions in the Brain. Scientific Reports, 2015, 4, 6969.	1.6	3
32	Axonal Localization of Ca2+-Dependent Activator Protein for Secretion 2 Is Critical for Subcellular Locality of Brain-Derived Neurotrophic Factor and Neurotrophin-3 Release Affecting Proper Development of Postnatal Mouse Cerebellum. PLoS ONE, 2014, 9, e99524.	1.1	15
33	Age-dependent redistribution and hypersialylation of the central myelin paranodal loop membrane protein Opalin in the mouse brain. Neuroscience Letters, 2014, 581, 14-19.	1.0	5
34	Phosphorylation of Drebrin by Cyclin-Dependent Kinase 5 and Its Role in Neuronal Migration. PLoS ONE, 2014, 9, e92291.	1.1	51
35	Astrocytic Ca2+ signals are required for the functional integrity of tripartite synapses. Molecular Brain, 2013, 6, 6.	1.3	107
36	Activation of cultured astrocytes by amphotericin B: Stimulation of NO and cytokines production and changes in neurotrophic factors production. Neurochemistry International, 2013, 63, 93-100.	1.9	7

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37	Autisticâ€like behavioral phenotypes in a mouse model with copy number variation of the <i>CAPS2/CADPS2</i> gene. FEBS Letters, 2013, 587, 54-59.	1.3	18
38	CAPS1 Deficiency Perturbs Dense-Core Vesicle Trafficking and Golgi Structure and Reduces Presynaptic Release Probability in the Mouse Brain. Journal of Neuroscience, 2013, 33, 17326-17334.	1.7	20
39	Animal Models of Autism Spectrum Disorder (ASD): A Synaptic-Level Approach to Autistic-Like Behavior in Mice. Experimental Animals, 2013, 62, 71-78.	0.7	24
40	Mouse Models of Mutations and Variations in Autism Spectrum Disorder-Associated Genes: Mice Expressing Caps2/Cadps2 Copy Number and Alternative Splicing Variants. International Journal of Environmental Research and Public Health, 2013, 10, 6335-6353.	1.2	12
41	Reduced axonal localization of a Caps2 splice variant impairs axonal release of BDNF and causes autistic-like behavior in mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21104-21109.	3.3	72
42	Clustered Fine Compartmentalization of the Mouse Embryonic Cerebellar Cortex and Its Rearrangement into the Postnatal Striped Configuration. Journal of Neuroscience, 2012, 32, 15688-15703.	1.7	65
43	Calcium-dependent activator protein for secretionâ€ƒ2 interacts with the classâ€ƒII ARF small GTPases and regulates dense-core vesicle trafficking. FEBS Journal, 2012, 279, 384-394.	2.2	18
44	PLD4 Is Involved in Phagocytosis of Microglia: Expression and Localization Changes of PLD4 Are Correlated with Activation State of Microglia. PLoS ONE, 2011, 6, e27544.	1.1	50
45	Interaction between very-KIND Ras guanine exchange factor and microtubule-associated protein 2, and its role in dendrite growthâ€ƒ-â€ƒstructure and function of the second kinase noncatalytic C-lobe domain. FEBS Journal, 2011, 278, 1651-1661.	2.2	9
46	Systematizing and Cloning of Genes Involved in the Cerebellar Cortex Circuit Development. Neurochemical Research, 2011, 36, 1241-1252.	1.6	15
47	The RIKEN integrated database of mammals. Nucleic Acids Research, 2011, 39, D861-D870.	6.5	23
48	Calcium-dependent activator protein for secretion 2 (CAPS2) promotes BDNF secretion and is critical for the development of GABAergic interneuron network. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 373-378.	3.3	78
49	Phase Advance of the Light-Dark Cycle Perturbs Diurnal Rhythms of Brain-derived Neurotrophic Factor and Neurotrophin-3 Protein Levels, Which Reduces Synaptophysin-positive Presynaptic Terminals in the Cortex of Juvenile Rats. Journal of Biological Chemistry, 2011, 286, 21478-21487.	1.6	14
50	1P222 The structural and functional relationship between brain specific Ras GEF, very-KIND and MAP2(Cell biology,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S58.	0.0	0
51	Expression of the <i>IP₃R1</i> promoterâ€driven <i>nlsâ€lacZ</i> transgene in Purkinje cell parasagittal arrays of developing mouse cerebellum. Journal of Neuroscience Research, 2010, 88, 2810-2825.	1.3	29
52	Interaction of Calcium-dependent Activator Protein for Secretion 1 (CAPS1) with the Class II ADP-ribosylation Factor Small GTPases Is Required for Dense-core Vesicle Trafficking in the trans-Golgi Network*. Journal of Biological Chemistry, 2010, 285, 38710-38719.	1.6	34
53	Ca2+-dependent activator protein for secretion 2 and autistic-like phenotypes. Neuroscience Research, 2010, 67, 197-202.	1.0	22
54	Imaging analysis of the secretory vesicle-associated protein CAPS2 regulated BDNF secretion. Neuroscience Research, 2010, 68, e143.	1.0	0

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55	CAPS2 exon 3-skipped mouse shows autistic-like phenotypes. Neuroscience Research, 2010, 68, e205.	1.0	0
56	Phospholipase D Family Member 4, a Transmembrane Glycoprotein with No Phospholipase D Activity, Expression in Spleen and Early Postnatal Microglia. PLoS ONE, 2010, 5, e13932.	1.1	55
57	DSCAM Deficiency Causes Loss of Pre-Inspiratory Neuron Synchroneity and Perinatal Death. Journal of Neuroscience, 2009, 29, 2984-2996.	1.7	36
58	Interaction of Cupidin/Homer2 with two actin cytoskeletal regulators, Cdc42 small GTPase and Drebrin, in dendritic spines. BMC Neuroscience, 2009, 10, 25.	0.8	62
59	Developmentally Regulated Ca2+-Dependent Activator Protein for Secretion 2 (CAPS2) is Involved in BDNF Secretion and is Associated with Autism Susceptibility. Cerebellum, 2009, 8, 312-322.	1.4	56
60	Secretory vesicle-related gene CAPS2 knock-out mice exhibit the reduced number of hippocampal GABAergic interneuron and the impairments in synaptic plasticity and behavior. Neuroscience Research, 2009, 65, S146.	1.0	0
61	Response to the letter by Eran et al.. Journal of Clinical Investigation, 2009, 119, 680-681.	3.9	2
62	Cerebellar development transcriptome database (CDT-DB): Profiling of spatio-temporal gene expression during the postnatal development of mouse cerebellum. Neural Networks, 2008, 21, 1056-1069.	3.3	64
63	Palmitoylationâ€dependent endosomal localization of AATYK1A and its interaction with Src. Genes To Cells, 2008, 13, 949-964.	0.5	19
64	Sequential expression of Efhc1/myoclonin1 in choroid plexus and ependymal cell cilia. Biochemical and Biophysical Research Communications, 2008, 367, 226-233.	1.0	28
65	Opalin, a Transmembrane Sialylglycoprotein Located in the Central Nervous System Myelin Paranodal Loop Membrane. Journal of Biological Chemistry, 2008, 283, 20830-20840.	1.6	48
66	Phosphorylation of Homer3 by Calcium/Calmodulin-Dependent Kinase II Regulates a Coupling State of Its Target Molecules in Purkinje Cells. Journal of Neuroscience, 2008, 28, 5369-5382.	1.7	55
67	Impaired Cerebellar Development and Function in Mice Lacking CAPS2, a Protein Involved in Neurotrophin Release. Journal of Neuroscience, 2007, 27, 2472-2482.	1.7	137
68	Nav1.1 Localizes to Axons of Parvalbumin-Positive Inhibitory Interneurons: A Circuit Basis for Epileptic Seizures in Mice Carrying an Scn1a Gene Mutation. Journal of Neuroscience, 2007, 27, 5903-5914.	1.7	745
69	Very-KIND, a KIND domainâ€“containing RasGEF, controls dendrite growth by linking Ras small GTPases and MAP2. Journal of Cell Biology, 2007, 179, 539-552.	2.3	26
70	The Role of Brain-derived Neurotrophic Factor (BDNF)-induced XBP1 Splicing during Brain Development. Journal of Biological Chemistry, 2007, 282, 34525-34534.	1.6	101
71	Localization and Expression of Group I Metabotropic Glutamate Receptors in the Mouse Striatum, Globus Pallidus, and Subthalamic Nucleus: Regulatory Effects of MPTP Treatment and Constitutive Homer Deletion. Journal of Neuroscience, 2007, 27, 6249-6260.	1.7	35
72	Tissue Distribution of Ca2+-dependent Activator Protein for Secretion Family Members CAPS1 and CAPS2 in Mice. Journal of Histochemistry and Cytochemistry, 2007, 55, 301-311.	1.3	25

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73	Structural and functional analysis of the apoptosis-associated tyrosine kinase (AATYK) family. Neuroscience, 2007, 148, 510-521.	1.1	44
74	HOMER2 binds MYO18B and enhances its activity to suppress anchorage independent growth. Biochemical and Biophysical Research Communications, 2007, 356, 851-856.	1.0	29
75	The Homer family proteins. Genome Biology, 2007, 8, 206.	13.9	267
76	An oligodendrocyte enhancer in a phylogenetically conserved intron region of the mammalian myelin gene Opalin. Journal of Neurochemistry, 2007, 102, 1533-1547.	2.1	20
77	Spatial Expression Patterns and Biochemical Properties Distinguish a Second myo-Inositol Monophosphatase IMPA2 from IMPA1. Journal of Biological Chemistry, 2007, 282, 637-646.	1.6	69
78	Alternative splicing variations in mouse CAPS2: differential expression and functional properties of splicing variants. BMC Neuroscience, 2007, 8, 25.	0.8	24
79	Autistic-like phenotypes in Cadps2-knockout mice and aberrant CADPS2 splicing in autistic patients. Journal of Clinical Investigation, 2007, 117, 931-943.	3.9	198
80	Japanese Neuroinformatics Node and Platforms. Lecture Notes in Computer Science, 2007, , 884-894.	1.0	4
81	Identification and mRNA expression of Ogdh, QP-C, and two predicted genes in the postnatal mouse brain. Neuroscience Letters, 2006, 405, 217-222.	1.0	8
82	ATP autocrine/paracrine signaling induces calcium oscillations and NFAT activation in human mesenchymal stem cells. Cell Calcium, 2006, 39, 313-324.	1.1	140
83	Differential distributions of the Ca2+-dependent activator protein for secretion family proteins (CAPS2 and CAPS1) in the mouse brain. Journal of Comparative Neurology, 2006, 495, 735-753.	0.9	58
84	The Docking Protein Cas Links Tyrosine Phosphorylation Signaling to Elongation of Cerebellar Granule Cell Axons. Molecular Biology of the Cell, 2006, 17, 3187-3196.	0.9	27
85	Apoptosis-associated Tyrosine Kinase (AATYK) Has Differential Ca2+-dependent Phosphorylation States in Response to Survival and Apoptotic Conditions in Cerebellar Granule Cells. Journal of Biological Chemistry, 2005, 280, 35157-35163.	1.6	19
86	Molecular Cloning of Mouse Type 2 and Type 3 Inositol 1,4,5-Trisphosphate Receptors and Identification of a Novel Type 2 Receptor Splice Variant. Journal of Biological Chemistry, 2005, 280, 10305-10317.	1.6	95
87	Gene expression profiling during the embryonic development of mouse brain using an oligonucleotide-based microarray system. Molecular Brain Research, 2005, 136, 231-254.	2.5	29
88	The Secretory Granule-Associated Protein CAPS2 Regulates Neurotrophin Release and Cell Survival. Journal of Neuroscience, 2004, 24, 43-52.	1.7	124
89	Functional expression of Ca2+ signaling pathways in mouse embryonic stem cells. Cell Calcium, 2004, 36, 135-146.	1.1	72
90	Differential expression of Homer family proteins in the developing mouse brain. Journal of Comparative Neurology, 2004, 473, 582-599.	0.9	99

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91	A sulfatase regulating the migratory potency of oligodendrocyte progenitor cells through tyrosine phosphorylation of ?-catenin. Journal of Neuroscience Research, 2004, 77, 653-661.	1.3	8
92	Cell specificity and efficiency of the Semliki forest virus vector- and adenovirus vector-mediated gene expression in mouse cerebellum. Journal of Neuroscience Methods, 2004, 137, 111-121.	1.3	24
93	Deciphering the Genetic Blueprint of Cerebellar Development by the Gene Expression Profiling Informatics. Lecture Notes in Computer Science, 2004, , 880-884.	1.0	2
94	Glutamate-induced declustering of post-synaptic adaptor protein Cupidin (Homer 2/vesl-2) in cultured cerebellar granule cells. Journal of Neurochemistry, 2003, 87, 364-376.	2.1	28
95	Differential expression and function of apoptosis-associated tyrosine kinase (AATYK) in the developing mouse brain. Molecular Brain Research, 2003, 112, 103-112.	2.5	26
96	Coincidence in dendritic clustering and synaptic targeting of homer proteins and NMDA receptor complex proteins NR2B and PSD95 during development of cultured hippocampal neurons. Molecular and Cellular Neurosciences, 2003, 22, 188-201.	1.0	80
97	Critical Regions for Activation Gating of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2003, 278, 16551-16560.	1.6	131
98	Molecular Characterization of the Starfish Inositol 1,4,5-Trisphosphate Receptor and Its Role during Oocyte Maturation and Fertilization. Journal of Biological Chemistry, 2002, 277, 2763-2772.	1.6	70
99	Structure of the inositol 1,4,5-trisphosphate receptor binding core in complex with its ligand. Nature, 2002, 420, 696-700.	13.7	309
100	A Novel Recombinant Hyperaffinity Inositol 1,4,5-Trisphosphate (IP3) Absorbent Traps IP3, Resulting in Specific Inhibition of IP3-mediated Calcium Signaling. Journal of Biological Chemistry, 2002, 277, 8106-8113.	1.6	87
101	Demonstration of an E-box and Its CNS-Related Binding Factors for Transcriptional Regulation of the Mouse Type 1 Inositol 1,4,5-Trisphosphate Receptor Gene. Journal of Neurochemistry, 2002, 69, 476-484.	2.1	16
102	Transcriptional Regulation of Mouse Type 1 Inositol 1,4,5-Trisphosphate Receptor Gene by NeuroD-Related Factor. Journal of Neurochemistry, 2001, 72, 1717-1724.	2.1	17
103	Investigation of differentially expressed genes during the development of mouse cerebellum. Gene Expression Patterns, 2001, 1, 39-59.	0.3	28
104	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. Journal of Neuroscience, 1999, 19, 8389-8400.	1.7	98
105	Trypsinized Cerebellar Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1999, 274, 316-327.	1.6	98
106	Cooperative Formation of the Ligand-binding Site of the Inositol 1,4,5-Trisphosphate Receptor by Two Separable Domains. Journal of Biological Chemistry, 1999, 274, 328-334.	1.6	62
107	Inositol 1,4,5-Trisphosphate Receptor Down-regulation Is Activated Directly by Inositol 1,4,5-Trisphosphate Binding. Journal of Biological Chemistry, 1999, 274, 3476-3484.	1.6	42
108	Inositol 1,4,5-Trisphosphate Receptor Type 1 Is a Substrate for Caspase-3 and Is Cleaved during Apoptosis in a Caspase-3-dependent Manner. Journal of Biological Chemistry, 1999, 274, 34433-34437.	1.6	115

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109	Calmodulin Mediates Calcium-Dependent Inactivation of the Cerebellar Type 1 Inositol 1,4,5-Trisphosphate Receptor. Neuron, 1999, 23, 799-808.	3.8	162
110	Calmodulin inhibits inositol 1,4,5-trisphosphate-induced calcium release through the purified and reconstituted inositol 1,4,5-trisphosphate receptor type 1. FEBS Letters, 1999, 456, 322-326.	1.3	39
111	[20] Expression of green fluorescent protein and inositol 1,4,5-triphosphate receptor in Xenopus laevis oocytes. Methods in Enzymology, 1999, 302, 225-233.	0.4	1
112	Inositol 1,4,5-trisphosphate receptors are strongly expressed in the nervous system, pharynx, intestine, gonad and excretory cell of Caenorhabditis elegans and are encoded by a single gene (itr-1). Journal of Molecular Biology, 1999, 294, 467-476.	2.0	81
113	High Efficient Expression of the Functional Ligand Binding Site of the Inositol 1,4,5-Trisphosphate Receptor inEscherichia coli. Biochemical and Biophysical Research Communications, 1999, 257, 792-797.	1.0	50
114	Real Time Analysis of Interaction between Inositol 1,4,5-Trisphosphate Receptor Type I and Its Ligand. Biochemical and Biophysical Research Communications, 1999, 260, 527-533.	1.0	18
115	Microinjection of Ca2+ Store-Enriched Microsome Fractions to Dividing Newt Eggs Induces Extra-Cleavage Furrows via Inositol 1,4,5- Trisphosphate-Induced Ca2+ Release. Developmental Biology, 1999, 214, 160-167.	0.9	14
116	Localization of inositol 1,4,5-trisphosphate receptors in the rat kidney. Kidney International, 1998, 53, 296-301.	2.6	33
117	Apical Vesicles Bearing Inositol 1,4,5-trisphosphate Receptors in the Ca2+Initiation Site of Ductal Epithelium of Submandibular Gland. Journal of Cell Biology, 1998, 141, 135-142.	2.3	51
118	T-cell-receptor signalling in inositol 1,4,5-trisphosphate receptor (IP3R) type-1-deficient mice: is IP3R type 1 essential for T-cell-receptor signalling?. Biochemical Journal, 1998, 333, 615-619.	1.7	32
119	Intracellular targeting and homotetramer formation of a truncated inositol 1,4,5-trisphosphate receptorâ€“green fluorescent protein chimera in Xenopus laevis oocytes: evidence for the involvement of the transmembrane spanning domain in endoplasmic reticulum targeting and homotetramer complex formation. Biochemical Journal, 1997, 323, 273-280.	1.7	55
120	Ca2+ differentially regulates the ligand-affinity states of type 1 and type 3 inositol 1,4,5-trisphosphate receptors. Biochemical Journal, 1997, 322, 591-596.	1.7	107
121	IP3-sensitive calcium channel. Biomembranes: A Multi-Volume Treatise, 1997, 6, 273-289.	0.1	4
122	Transcription initiation sites and promoter structure of the mouse type 2 inositol 1,4,5-trisphosphate receptor gene. Gene, 1997, 196, 181-185.	1.0	8
123	Microvesicle-mediated exocytosis of glutamate is a novel paracrine-like chemical transduction mechanism and inhibits melatonin secretion in rat pinealocytes. Journal of Pineal Research, 1996, 21, 175-191.	3.4	49
124	Ataxia and epileptic seizures in mice lacking type 1 inositol 1,4,5-trisphosphate receptor. Nature, 1996, 379, 168-171.	13.7	486
125	Mutational Analysis of the Ligand Binding Site of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1996, 271, 18277-18284.	1.6	220
126	Functional Expression of the Type 1 Inositol 1,4,5â€•Trisphosphate Receptor Promoterâ€•<i>lacZ</i> Fusion Genes in Transgenic Mice. Journal of Neurochemistry, 1996, 66, 1793-1801.	2.1	31

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127	Distribution and Activation of cAMP- and cGMP-Dependent Protein Kinases in Highly Purified Human Platelet Plasma and Intracellular Membranes. Thrombosis and Haemostasis, 1996, 76, 1063-1071.	1.8	21
128	Inositol 1,4,5-Trisphosphate Receptors and Calcium Signaling. Critical Reviews in Neurobiology, 1996, 10, 39-55.	3.3	28
129	DIFFERENTIAL CELLULAR EXPRESSION OF THREE TYPES OF INOSITOL 1,4,5-TRISPHOSPHATE RECEPTOR IN RAT GASTROINTESTINAL EPITHELIUM . Biomedical Research, 1996, 17, 45-51.	0.3	3
130	The calmodulin-binding domain in the mouse type 1 inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 1995, 308, 83-88.	1.7	142
131	Chapter 3 Molecular genetic analyses of myelin deficiency and cerebellar ataxia. Progress in Brain Research, 1995, 105, 23-41.	0.9	3
132	Immunohistochemical study of inositol 1,4,5-trisphosphate receptor type 3 in rat central nervous system. NeuroReport, 1995, 6, 273-276.	0.6	45
133	Differential expression of type 2 and type 3 inositol 1,4,5-trisphosphate receptor mRNAs in various mouse tissues: in situ hybridization study. Cell and Tissue Research, 1995, 280, 201-210.	1.5	56
134	Kinetics of Calcium Release by Immunoaffinity-purified Inositol 1,4,5-Trisphosphate Receptor in Reconstituted Lipid Vesicles. Journal of Biological Chemistry, 1995, 270, 19046-19051.	1.6	42
135	Heterotetrameric Complex Formation of Inositol 1,4,5-Trisphosphate Receptor Subunits. Journal of Biological Chemistry, 1995, 270, 14700-14704.	1.6	208
136	Adenophostin-medicated quantal Ca2+release in the purified and reconstituted inositol 1,4,5-trisphosphate receptor type 1. FEBS Letters, 1995, 368, 248-252.	1.3	84
137	Inositol 1,4,5â€Trisphosphate Receptorâ€Mediated Ca²⁺ Signaling in the Brain. Journal of Neurochemistry, 1995, 64, 953-960.	2.1	171
138	Differential expression of type?2 and type?3 inositol 1,4,5-trisphosphate receptor mRNAs in various mouse tissues: in situ hybridization study. Cell and Tissue Research, 1995, 280, 201-210.	1.5	54
139	Multiple types of ryanodine receptor/Ca2+ release channels are differentially expressed in rabbit brain. Journal of Neuroscience, 1994, 14, 4794-4805.	1.7	251
140	Structure and function of IP3 receptors. Seminars in Cell Biology, 1994, 5, 273-281.	3.5	47
141	Subtypes of inositol 1,4,5-trisphosphate receptor in human hematopoietic cell lines: Dynamic aspects of their cell-type specific expression. FEBS Letters, 1994, 349, 191-196.	1.3	61
142	Intracellular channels. Current Opinion in Neurobiology, 1994, 4, 294-303.	2.0	204
143	Human inositol 1,4,5-trisphosphate type-1 receptor, Ins<i>P</i>3R1: structure, function, regulation of expression and chromosomal localization. Biochemical Journal, 1994, 302, 781-790.	1.7	116
144	A Novel Zinc Finger Protein, Zic, Is Involved in Neurogenesis, Especially in the Cell Lineage of Cerebellar Granule Cells. Journal of Neurochemistry, 1994, 63, 1880-1890.	2.1	220

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145	Expression of the metabotropic glutamate receptor mGluR1? and the ionotropic glutamate receptor GluR1 in the brain during the postnatal development of normal mouse and in the cerebellum from mutant mice. Journal of Neuroscience Research, 1993, 36, 19-32.	1.3	94
146	Isolation of a Drosophila Gene Encoding a Head-Specific Guanylyl Cyclase. Journal of Neurochemistry, 1993, 60, 1570-1573.	2.1	27
147	Primary structure and functional expression of the Ï‰-conotoxin-sensitive N-type calcium channel from rabbit brain. Neuron, 1993, 10, 585-598.	3.8	235
148	The Xenopus IP3 receptor: Structure, function, and localization in oocytes and eggs. Cell, 1993, 73, 555-570.	13.5	220
149	Molecular Diversity of Voltage-Dependent Calcium Channel. Annals of the New York Academy of Sciences, 1993, 707, 87-108.	1.8	29
150	Inositol trisphosphate receptor and Ca 2+ signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 1993, 340, 345-349.	1.8	14
151	The Inositol 1,4,5â€Trisphosphate Receptor. Novartis Foundation Symposium, 1992, 164, 17-35.	1.2	3
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