

Akiko Tabuchi

List of Publications by Year in descending order

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40
papers

1,089
citations

394421

19
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of an Upstream Stimulatory Factor as Well as cAMP-responsive Element-binding Protein in the Activation of Brain-derived Neurotrophic Factor Gene Promoter I. <i>Journal of Biological Chemistry</i> , 2002, 277, 35920-35931.	3.4	190
2	Differential Activation of Brain-derived Neurotrophic Factor Gene Promoters I and III by Ca ²⁺ Signals Evoked via voltage-dependent and N-Methyl-D-aspartate Receptor Ca ²⁺ Channels. <i>Journal of Biological Chemistry</i> , 2000, 275, 17269-17275.	3.4	126
3	Robust stimulation of TrkB induces delayed increases in BDNF and Arc mRNA expressions in cultured rat cortical neurons via distinct mechanisms. <i>Journal of Neurochemistry</i> , 2007, 103, 626-636.	3.9	56
4	REST4-Mediated Modulation of REST/NRSF-Silencing Function during BDNF Gene Promoter Activation. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 415-420.	2.1	55
5	Differential epigenetic regulation of BDNF and NT-3 genes by trichostatin A and 5-aza-2'-deoxycytidine in Neuro-2a cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 173-177.	2.1	42
6	Involvement of the Serum Response Factor Coactivator Megakaryoblastic Leukemia (MKL) in the Activity-regulated Dendritic Complexity of Rat Cortical Neurons*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32734-32743.	3.4	41
7	Involvement of endogenous PACAP expression in the activity-dependent survival of mouse cerebellar granule cells. <i>Neuroscience Research</i> , 2001, 39, 85-93.	1.9	39
8	Inactivation of aconitase during the apoptosis of mouse cerebellar granule neurons induced by a deprivation of membrane depolarization. <i>Journal of Neuroscience Research</i> , 2003, 71, 504-515.	2.9	39
9	Nuclear translocation of the SRF co-activator MAL in cortical neurons: role of RhoA signalling. <i>Journal of Neurochemistry</i> , 2005, 94, 169-180.	3.9	36
10	Developmental expression of the SRF co-activator MAL in brain: role in regulating dendritic morphology. <i>Journal of Neurochemistry</i> , 2006, 98, 1778-1788.	3.9	35
11	Activity-dependent Transcriptional Activation and mRNA Stabilization for Cumulative Expression of Pituitary Adenylate Cyclase-activating Polypeptide mRNA Controlled by Calcium and cAMP Signals in Neurons. <i>Journal of Biological Chemistry</i> , 2004, 279, 47856-47865.	3.4	34
12	Synaptic Plasticity-Regulated Gene Expression: a Key Event in the Long-Lasting Changes of Neuronal Function. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 327-335.	1.4	34
13	Excitatory GABA induces BDNF transcription via CRTC1 and phosphorylated CREB-related pathways in immature cortical cells. <i>Journal of Neurochemistry</i> , 2014, 131, 134-146.	3.9	29
14	MKL1 cooperates with p38MAPK to promote vascular senescence, inflammation, and abdominal aortic aneurysm. <i>Redox Biology</i> , 2021, 41, 101903.	9.0	29
15	Attenuation of cell death mediated by membrane depolarization different from that by exogenous BDNF in cultured mouse cerebellar granule cells. <i>Molecular Brain Research</i> , 1998, 56, 218-226.	2.3	28
16	Coactivation of secretogranin-II and BDNF genes mediated by calcium signals in mouse cerebellar granule cells. <i>Molecular Brain Research</i> , 1999, 63, 316-324.	2.3	26
17	Visualizing changes in brain-derived neurotrophic factor (BDNF) expression using bioluminescence imaging in living mice. <i>Scientific Reports</i> , 2017, 7, 4949.	3.3	25
18	Regulation of neurotrophin-3 gene transcription by Sp3 and Sp4 in neurons. <i>Journal of Neurochemistry</i> , 2007, 100, 520-531.	3.9	24

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19	Deltamethrin, a type II pyrethroid insecticide, has neurotrophic effects on neurons with continuous activation of the Bdnf promoter. <i>Neuropharmacology</i> , 2012, 62, 1091-1098.	4.1	20
20	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, 6825-6836.	3.4	18
21	Screening inducers of neuronal BDNF gene transcription using primary cortical cell cultures from BDNF-luciferase transgenic mice. <i>Scientific Reports</i> , 2019, 9, 11833.	3.3	18
22	Synaptic localisation of SRF coactivators, MKL1 and MKL2, and their role in dendritic spine morphology. <i>Scientific Reports</i> , 2018, 8, 727.	3.3	14
23	Identification, expression and characterization of rat isoforms of the serum response factor (SRF) coactivator MKL1. <i>FEBS Open Bio</i> , 2013, 3, 387-393.	2.3	12
24	Deltamethrin Increases Neurite Outgrowth in Cortical Neurons through Endogenous BDNF/TrkB Pathways. <i>Cell Structure and Function</i> , 2017, 42, 141-148.	1.1	11
25	Regulation of Dendritic Synaptic Morphology and Transcription by the SRF Cofactor MKL/MRTF. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 767842.	2.9	10
26	Novel splice variants of PACAP gene in mouse cerebellar granule cells. <i>NeuroReport</i> , 2001, 12, 1181-1186.	1.2	9
27	Cellular localization and dendritic function of rat isoforms of the SRF coactivator MKL1 in cortical neurons. <i>NeuroReport</i> , 2014, 25, 585-592.	1.2	9
28	Transient α -helices in the disordered RPEL motifs of the serum response factor coactivator MKL1. <i>Scientific Reports</i> , 2015, 4, 5224.	3.3	9
29	Involvement of SRF coactivator MKL2 in BDNF-mediated activation of the synaptic activity-responsive element in the <i>Arc</i> gene. <i>Journal of Neurochemistry</i> , 2019, 148, 204-218.	3.9	9
30	Silencer-Mediated Repression and Non-Mediated Activation of BDNF and c-fos Gene Promoters in Primary Glial or Neuronal Cells. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 233-237.	2.1	8
31	Balance between cAMP and Ca^{2+} signals regulates expression levels of pituitary adenylate cyclase-activating polypeptide gene in neurons. <i>Genes To Cells</i> , 2016, 21, 921-929.	1.2	8
32	Calcium signal-mediated expression of the vasoactive intestinal polypeptide gene and its small contribution to activity-dependent survival of mouse cerebellar granule cells. <i>Journal of Neuroscience Research</i> , 2004, 77, 26-34.	2.9	7
33	Rho signaling inhibitor, CCG-1423, inhibits axonal elongation and dendritic complexity of rat cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 474-479.	2.1	7
34	Neuron-enriched phosphatase and actin regulator 3 (Phactr3)/ nuclear scaffold-associated PP1-inhibiting protein (Scapinin) regulates dendritic morphology via its protein phosphatase 1-binding domain. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 322-329.	2.1	7
35	Convergent effects of Ca^{2+} and cAMP signals on the expression of immediate early genes in neurons. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 572-577.	2.1	6
36	SRF in Neurochemistry: Overview of Recent Advances in Research on the Nervous System. <i>Neurochemical Research</i> , 2022, 47, 2545-2557.	3.3	6

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37	Expression of SOLOIST/MRTFB i4, a novel neuronal isoform of the mouse serum response factor coactivator myocardin-related transcription factor, negatively regulates dendritic complexity in cortical neurons. <i>Journal of Neurochemistry</i> , 2020, 159, 762-777.	3.9	4
38	Differential localization and roles of splice variants of rat suppressor of cancer cell invasion (SCAI) in neuronal cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 615-621.	2.1	4
39	Distinct regulation of activity-dependent transcription of immediate early genes in cultured rat cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 682-687.	2.1	3
40	Activity-dependent increase in β -amyloid precursor protein mRNA expression in neurons. <i>NeuroReport</i> , 2004, 15, 1329-1333.	1.2	2