

Atsuro Miyata

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

4,703
citations

361413

20
h-index

189892

50
g-index

51
all docs

51
docs citations

51
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation of a novel 38 residue-hypothalamic polypeptide which stimulates adenylate cyclase in pituitary cells. <i>Biochemical and Biophysical Research Communications</i> , 1989, 164, 567-574.	2.1	1,777
2	Isolation of a neuropeptide corresponding to the N-terminal 27 residues of the pituitary adenylate cyclase activating polypeptide with 38 residues (PACAP38). <i>Biochemical and Biophysical Research Communications</i> , 1990, 170, 643-648.	2.1	898
3	Tissue Distribution of PACAP as Determined by RIA: Highly Abundant in the Rat Brain and Testes. <i>Endocrinology</i> , 1991, 129, 2787-2789.	2.8	604
4	Characterization and Distribution of Binding Sites for the Hypothalamic Peptide, Pituitary Adenylate Cyclase-Activating Polypeptide*. <i>Endocrinology</i> , 1990, 127, 272-277.	2.8	311
5	A novel peptide which stimulates adenylate cyclase: Molecular cloning and characterization of the ovine and human cDNAs. <i>Biochemical and Biophysical Research Communications</i> , 1990, 166, 81-89.	2.1	299
6	Primary Structure and Characterization of the Precursor to Human Pituitary Adenylate Cyclase Activating Polypeptide. <i>DNA and Cell Biology</i> , 1992, 11, 21-30.	1.9	93
7	N-arachidonoyl glycine induces macrophage apoptosis via GPR18. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 366-371.	2.1	60
8	Characterization of the Human Gene (TBXAS1) Encoding Thromboxane Synthase. <i>FEBS Journal</i> , 1994, 224, 273-279.	0.2	52
9	C-Type Natriuretic Peptide Modulates Permeability of the Blood-Brain Barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 589-596.	4.3	41
10	Attenuation of Inflammatory and Neuropathic Pain Behaviors in Mice through Activation of Free Fatty Acid Receptor GPR40. <i>Molecular Pain</i> , 2015, 11, s12990-015-0003.	2.1	39
11	Differential Intracellular Signaling through PAC1 Isoforms as a Result of Alternative Splicing in the First Extracellular Domain and the Third Intracellular Loop. <i>Molecular Pharmacology</i> , 2007, 72, 103-111.	2.3	36
12	Development and pharmacological verification of a new mouse model of central post-stroke pain. <i>Neuroscience Research</i> , 2014, 78, 72-80.	1.9	30
13	The effect of pituitary adenylate cyclase activating polypeptide on cultured rat cardiocytes as a cardioprotective factor. <i>Regulatory Peptides</i> , 2002, 109, 107-113.	1.9	28
14	Dysfunctional GPR40/FFAR1 signaling exacerbates pain behavior in mice. <i>PLoS ONE</i> , 2017, 12, e0180610.	2.5	26
15	Potential involvement of the mitochondrial unfolded protein response in depressive-like symptoms in mice. <i>Neuroscience Letters</i> , 2015, 588, 166-171.	2.1	25
16	In Silico Screening Identified Novel Small-molecule Antagonists of PAC1 Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 1-8.	2.5	25
17	Diverse effects of intrathecal pituitary adenylate cyclase-activating polypeptide on nociceptive transmission in mice spinal cord. <i>Regulatory Peptides</i> , 2004, 123, 117-122.	1.9	22
18	Spinal astrocytic activation contributes to both induction and maintenance of pituitary adenylate cyclase-activating polypeptide type 1 receptor-induced long-lasting mechanical allodynia in mice. <i>Molecular Pain</i> , 2016, 12, 174480691664638.	2.1	22

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19	Role of Mitochondrial Activation in PACAP Dependent Neurite Outgrowth. <i>Journal of Molecular Neuroscience</i> , 2012, 48, 550-557.	2.3	21
20	GPR40/FFAR1 deficient mice increase noradrenaline levels in the brain and exhibit abnormal behavior. <i>Journal of Pharmacological Sciences</i> , 2016, 132, 249-254.	2.5	21
21	Rat Aortic Smooth-Muscle Cell Proliferation Is Bidirectionally Regulated in a Cell Cycle-Dependent Manner via PACAP/VIP Type 2 Receptors. <i>Annals of the New York Academy of Sciences</i> , 1998, 865, 73-81.	3.8	20
22	Pituitary adenylate cyclase-activating polypeptide type 1 receptor signaling evokes long-lasting nociceptive behaviors through the activation of spinal astrocytes in mice. <i>Journal of Pharmacological Sciences</i> , 2016, 130, 194-203.	2.5	20
23	The augmentation of pituitary adenylate cyclase-activating polypeptide (PACAP) in streptozotocin-induced diabetic rats. <i>Peptides</i> , 1998, 19, 1497-1502.	2.4	17
24	Alleviation of Behavioral Hypersensitivity in Mouse Models of Inflammatory Pain with Two Structurally Different Casein Kinase 1 (CK1) Inhibitors. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-17.	2.1	17
25	Pituitary Adenylate Cyclase-Activating Polypeptide in the Ventromedial Hypothalamus Is Responsible for Food Intake Behavior by Modulating the Expression of Agouti-Related Peptide in Mice. <i>Molecular Neurobiology</i> , 2020, 57, 2101-2114.	4.0	17
26	Autocrine effects of neuromedin B stimulate the proliferation of rat primary osteoblasts. <i>Journal of Endocrinology</i> , 2013, 217, 141-150.	2.6	16
27	Alternative Splicing of the Pituitary Adenylate Cyclase-activating Polypeptide (PACAP) Receptor Contributes to Function of PACAP-27. <i>Journal of Molecular Neuroscience</i> , 2010, 42, 341-348.	2.3	15
28	Pituitary Adenylate Cyclase-activating Polypeptide Type 1 Receptor (PAC1) Gene Is Suppressed by Transglutaminase 2 Activation. <i>Journal of Biological Chemistry</i> , 2013, 288, 32720-32730.	3.4	14
29	The Deletion of GPR40/FFAR1 Signaling Damages Maternal Care and Emotional Function in Female Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1255-1259.	1.4	13
30	Synthesis of a novel and potent small-molecule antagonist of PAC1 receptor for the treatment of neuropathic pain. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111902.	5.5	12
31	Implication of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) for Neuroprotection of Nicotinic Acetylcholine Receptor Signaling in PC12 Cells. <i>Journal of Molecular Neuroscience</i> , 2008, 36, 73-78.	2.3	11
32	Characterization of the testis-specific promoter region in the human pituitary adenylate cyclase-activating polypeptide (PACAP) gene. <i>Genes To Cells</i> , 2010, 15, 595-606.	1.2	11
33	The novel small-molecule antagonist of PAC1 receptor attenuates formalin-induced inflammatory pain behaviors in mice. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 129-132.	2.5	11
34	Neural-restrictive silencers in the regulatory mechanism of pituitary adenylate cyclase-activating polypeptide gene expression. <i>Regulatory Peptides</i> , 2004, 123, 9-14.	1.9	10
35	Characterization of the PAC1 Variants Expressed in the Mouse Heart. <i>Annals of the New York Academy of Sciences</i> , 2006, 1070, 586-590.	3.8	9
36	Genomic Organization and Chromosomal Localization of the Mouse Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) Gene. <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 344-348.	3.8	8

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37	Regulatory mechanism of PAC1 gene expression via Sp1 by nerve growth factor in PC12 cells. <i>FEBS Letters</i> , 2012, 586, 1731-1735.	2.8	7
38	Neuromedin B stimulates proliferation of mouse chondrogenic cell line ATDC5. <i>Peptides</i> , 2012, 36, 299-302.	2.4	6
39	Functional Characterization of Neural-Restrictive Silencer Element in Mouse Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Gene Expression. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 526-534.	2.3	5
40	Mitochondrial c-Fos May Increase the Vulnerability of Neuro2a Cells to Cellular Stressors. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 106-112.	2.3	5
41	The pivotal role of pituitary adenylate cyclase-activating polypeptide for lactate production and secretion in astrocytes during fear memory. <i>Pharmacological Reports</i> , 2021, 73, 1109-1121.	3.3	5
42	The dorsal hippocampal protein targeting to glycogen maintains ionotropic glutamate receptor subunits expression and contributes to working and short-term memories in mice. <i>Journal of Pharmacological Sciences</i> , 2021, 148, 108-115.	2.5	5
43	FFAR1/GPR40 Contributes to the Regulation of Striatal Monoamine Releases and Facilitation of Cocaine-Induced Locomotor Activity in Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 699026.	3.5	4
44	Validation of a Simple In Vitro Comet Assay Method Using CHL Cells. <i>Genes and Environment</i> , 2010, 32, 61-65.	2.1	4
45	Design and synthesis of pyrido[2,3-d]pyrimidine derivatives for a novel PAC1 receptor antagonist. <i>European Journal of Medicinal Chemistry</i> , 2022, 231, 114160.	5.5	3
46	PACAP Augments Nitric Oxide Synthesis in Rat Vascular Smooth Muscle Cells Stimulated with IL-1 β . <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 415-419.	3.8	2
47	The 9th International Symposium on VIP, PACAP, and Related Peptides. <i>Journal of Molecular Neuroscience</i> , 2010, 42, 264-265.	2.3	1
48	Chronic Royal Jelly Administration Induced Antidepressant-Like Effects Through Increased Sirtuin1 and Oxidative Phosphorylation Protein Expression in the Amygdala of Mice. <i>Current Molecular Pharmacology</i> , 2020, 14, 115-122.	1.5	1