

Tohru Yamakuni

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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.

86

papers

2,912

citations

27

h-index

51

g-index

97

ext. papers

3,123

ext. citations

3.6

avg, IF

4.23

L-index

#	Paper	IF	Citations
86	Molecular and functional characterization of a novel mouse transient receptor potential protein homologue TRP7. Ca(2+)-permeable cation channel that is constitutively activated and enhanced by stimulation of G protein-coupled receptor. <i>Journal of Biological Chemistry</i> , 1999 , 274, 27359-70	5.4	373
85	Nobiletin, a citrus flavonoid, improves memory impairment and Abeta pathology in a transgenic mouse model of Alzheimer's disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 326, 739-44	4.7	171
84	Nobiletin and its related flavonoids with CRE-dependent transcription-stimulating and neuritegenic activities. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 1330-6	3.4	123
83	Nobiletin, a citrus flavonoid that improves memory impairment, rescues bulbectomy-induced cholinergic neurodegeneration in mice. <i>Journal of Pharmacological Sciences</i> , 2007 , 105, 122-6	3.7	107
82	Nobiletin restoring beta-amyloid-impaired CREB phosphorylation rescues memory deterioration in Alzheimer's disease model rats. <i>Neuroscience Letters</i> , 2006 , 400, 230-4	3.3	106
81	Nobiletin improves brain ischemia-induced learning and memory deficits through stimulation of CaMKII and CREB phosphorylation. <i>Brain Research</i> , 2009 , 1295, 218-29	3.7	101
80	Development and migration of Purkinje cells in the mouse cerebellar primordium. <i>Anatomy and Embryology</i> , 1991 , 184, 195-212		100
79	Neurobehavioral effects of tetrabromobisphenol A, a brominated flame retardant, in mice. <i>Toxicology Letters</i> , 2009 , 189, 78-83	4.4	93
78	Mechanism of neurotrophic action of nobiletin in PC12D cells. <i>Biochemistry</i> , 2005 , 44, 13683-91	3.2	93
77	gamma-Mangostin inhibits inhibitor-kappaB kinase activity and decreases lipopolysaccharide-induced cyclooxygenase-2 gene expression in C6 rat glioma cells. <i>Molecular Pharmacology</i> , 2004 , 66, 667-74	4.3	90
76	Isolation and immunohistochemical localization of a cerebellar protein. <i>Neuroscience Letters</i> , 1984 , 45, 235-40	3.3	88
75	Nobiletin, a citrus flavonoid with neurotrophic action, augments protein kinase A-mediated phosphorylation of the AMPA receptor subunit, GluR1, and the postsynaptic receptor response to glutamate in murine hippocampus. <i>European Journal of Pharmacology</i> , 2008 , 578, 194-200	5.3	66
74	Two distinct mechanisms for actin capping protein regulation--steric and allosteric inhibition. <i>PLoS Biology</i> , 2010 , 8, e1000416	9.7	58
73	4'-Demethylnobiletin, a bioactive metabolite of nobiletin enhancing PKA/ERK/CREB signaling, rescues learning impairment associated with NMDA receptor antagonism via stimulation of the ERK cascade. <i>Biochemistry</i> , 2009 , 48, 7713-21	3.2	57
72	Expression of beta-nerve growth factor mRNA in rat glioma cells and astrocytes from rat brain. <i>FEBS Letters</i> , 1987 , 223, 117-21	3.8	55
71	Nobiletin, a citrus flavonoid, reverses learning impairment associated with N-methyl-D-aspartate receptor antagonism by activation of extracellular signal-regulated kinase signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 321, 784-90	4.7	53
70	Potentiation of nerve growth factor-action by picosides I and II, natural iridoids, in PC12D cells. <i>European Journal of Pharmacology</i> , 2000 , 406, 203-8	5.3	52

69	Production of nerve growth factor in rat skeletal muscle. <i>Neuroscience Letters</i> , 1991 , 132, 5-7	3-3	52
68	Potent activity of nobiletin-rich Citrus reticulata peel extract to facilitate cAMP/PKA/ERK/CREB signaling associated with learning and memory in cultured hippocampal neurons: identification of the substances responsible for the pharmacological action. <i>Journal of Neural Transmission</i> , 2013 , 123, 1337-1348	4-3	46
67	High-performance liquid chromatography with photodiode array detection for determination of nobiletin content in the brain and serum of mice administrated the natural compound. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3635-41	4-4	38
66	Picrosides I and II, selective enhancers of the mitogen-activated protein kinase-dependent signaling pathway in the action of neurotogenic substances on PC12D cells. <i>Life Sciences</i> , 2002 , 71, 1821-35	6-8	35
65	Nobiletin-rich Citrus reticulata peels, a kampo medicine for Alzheimer's disease: a case series. <i>Geriatrics and Gerontology International</i> , 2013 , 13, 236-8	2-9	34
64	A novel protein containing Cdc10/SWI6 motifs regulates expression of mRNA encoding catecholamine biosynthesizing enzymes. <i>Journal of Biological Chemistry</i> , 1998 , 273, 27051-4	5-4	33
63	A rat cerebellar protein containing the cdc10/SWI6 motif. <i>FEBS Journal</i> , 1992 , 207, 615-20		31
62	Identification of ATF-2 as a transcriptional regulator for the tyrosine hydroxylase gene. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40768-74	5-4	28
61	An immunohistochemical study on the ontogeny of cells immunoreactive for spot 35 protein, a novel Purkinje cell-specific protein, in the rat cerebellum. <i>Developmental Brain Research</i> , 1986 , 394, 225-31		28
60	Nardosinone enhances nerve growth factor-induced neurite outgrowth in a mitogen-activated protein kinase- and protein kinase C-dependent manner in PC12D cells. <i>Journal of Pharmacological Sciences</i> , 2003 , 93, 122-5	3-7	27
59	Localization of gene expression of calbindin in the brain of adult rats. <i>Neuroscience Letters</i> , 1992 , 138, 211-5	3-3	27
58	Beneficial effects of Ajuga decumbens on osteoporosis and arthritis. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 1199-204	2-3	26
57	Garcinone B reduces prostaglandin E2 release and NF-kappaB-mediated transcription in C6 rat glioma cells. <i>Neuroscience Letters</i> , 2006 , 394, 206-10	3-3	25
56	Nardosinone, the first enhancer of neurite outgrowth-promoting activity of staurosporine and dibutyryl cyclic AMP in PC12D cells. <i>Developmental Brain Research</i> , 2003 , 145, 177-83		25
55	New myrsinol diterpenes from Euphorbia prolifera and their inhibitory activities on LPS-induced NO production. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 3612-8	2-9	24
54	Ginsenoside Rg1 alleviates corticosterone-induced dysfunction of gap junctions in astrocytes. <i>Journal of Ethnopharmacology</i> , 2017 , 208, 207-213	5	23
53	Dopamine or biopterin deficiency potentiates phosphorylation at (40)Ser and ubiquitination of tyrosine hydroxylase to be degraded by the ubiquitin proteasome system. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 465, 53-8	3-4	22
52	Ginsenoside Rg1-induced antidepressant effects involve the protection of astrocyte gap junctions within the prefrontal cortex. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 75, 183-191	5-5	22

51	Bioactive ent-clerodane diterpenoids from the aerial parts of <i>Baccharis gaudichaudiana</i> . <i>Journal of Natural Products</i> , 2006 , 69, 274-6	4.9	22
50	IC101 induces apoptosis by Akt dephosphorylation via an inhibition of heat shock protein 90-ATP binding activity accompanied by preventing the interaction with Akt in L1210 cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 1288-95	4.7	22
49	Differential gene expression of fibroblast growth factor receptor isoforms in rat ovary. <i>Molecular and Cellular Endocrinology</i> , 1994 , 104, 75-80	4.4	22
48	Regulation of nerve growth factor and nerve growth factor receptor production by NMDA in C6 glioma cells. <i>Molecular Brain Research</i> , 1992 , 14, 35-42		21
47	IMMUNOHISTOCHEMICAL DEMONSTRATION OF A CEREBELLAR PROTEIN (SPOT 35 PROTEIN) IN SOME SENSORY CELLS OF GUINEA PIGS. <i>Biomedical Research</i> , 1985 , 6, 329-334	1.5	21
46	Nobiletin induces inhibitions of Ras activity and mitogen-activated protein kinase kinase/extracellular signal-regulated kinase signaling to suppress cell proliferation in C6 rat glioma cells. <i>Biological and Pharmaceutical Bulletin</i> , 2013 , 36, 540-7	2.3	19
45	Iridoids and sesquiterpenoids with NGF-potentiating activity from the rhizomes and roots of <i>Valeriana fauriei</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 123-5	1.9	18
44	Ephedrae herba decreases lipopolysaccharide-induced cyclooxygenase-2 protein expression and NF-kappaB-dependent transcription in C6 rat glioma cells. <i>Journal of Pharmacological Sciences</i> , 2005 , 98, 327-30	3.7	18
43	Neuroprotective Kaurane Diterpenes from <i>Fritillaria ebeiensis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1386-8	2.1	17
42	Proinsulin C-peptide stimulates a PKC/IkappaB/NF-kappaB signaling pathway to activate COX-2 gene transcription in Swiss 3T3 fibroblasts. <i>Journal of Biochemistry</i> , 2006 , 139, 1083-8	3.1	17
41	Clerodane diterpenoids and flavonoids with NGF-potentiating activity from the aerial parts of <i>Baccharis gaudichaudiana</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2007 , 55, 1532-4	1.9	17
40	Expression of immunoreactivity for Ca-binding protein, spot 35 in the interstitial cell of the rat pineal organ. <i>The Histochemical Journal</i> , 1990 , 22, 4-10		17
39	Isolation, structural elucidation, and neuroprotective effects of iridoids from <i>Valeriana jatamansi</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 1401-3	2.1	16
38	A novel diol-derivative of chalcone produced by bioconversion, 3-(2,3-dihydroxyphenyl)-1-phenylpropan-1-one, activates PKA/MEK/ERK signaling and antagonizes Abeta-inhibition of the cascade in cultured rat CNS neurons. <i>European Journal of Pharmacology</i> , 2008 , 600, 10-7	5.3	15
37	Three-membered ring sesquiterpenoids with NGF-potentiating activity from the roots of <i>Valeriana fauriei</i> . <i>Planta Medica</i> , 2006 , 72, 373-5	3.1	15
36	A novel mechanism of depression: role for connexins. <i>European Neuropsychopharmacology</i> , 2018 , 28, 483-498	1.2	14
35	Imidacloprid, a neonicotinoid insecticide, facilitates tyrosine hydroxylase transcription and phenylethanolamine N-methyltransferase mRNA expression to enhance catecholamine synthesis and its nicotine-evoked elevation in PC12D cells. <i>Toxicology</i> , 2018 , 394, 84-92	4.4	14
34	Repeated treatment with nicotine induces phosphorylation of NMDA receptor NR2B subunit in the brain regions involved in behavioral sensitization. <i>Neuroscience Letters</i> , 2012 , 524, 133-8	3.3	14

33	An immunohistochemical study of the ontogeny of the horizontal cell in the rat retina using an antiserum against spot 35 protein, a novel Purkinje cell-specific protein, as a marker. <i>The Anatomical Record</i> , 1988 , 222, 103-9		14
32	Down-regulation of an ankyrin repeat-containing protein, V-1, during skeletal muscle differentiation and its re-expression in the regenerative process of muscular dystrophy. <i>Neuromuscular Disorders</i> , 2003 , 13, 32-41	2.9	13
31	Three new iridoids from the roots of <i>Valeriana jatamansi</i> . <i>Journal of Natural Medicines</i> , 2012 , 66, 653-7	3.3	12
30	Ca ²⁺ channel activating action of maitotoxin in cultured brainstem neurons. <i>European Journal of Pharmacology</i> , 2006 , 536, 223-31	5.3	12
29	Involvement of spot 35 protein, a cerebellar protein, in modulation of Purkinje cell activity of the rat cerebellum. <i>European Journal of Pharmacology</i> , 1985 , 108, 309-13	5.3	12
28	Enhanced expression of GTP cyclohydrolase I in V-1-overexpressing PC12D cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 962-8	3.4	11
27	Murine central neurons express a novel member of the cdc10/SWI6 motif-containing protein superfamily. <i>Molecular Brain Research</i> , 1996 , 40, 203-13		11
26	Localization of spot 35-calbindin (rat cerebellar calbindin) in the anterior pituitary of the rat: developmental and sexual differences. <i>Archives of Histology and Cytology</i> , 1990 , 53, 585-91		11
25	Extracellular β -synuclein enters dopaminergic cells by modulating flotillin-1-assisted dopamine transporter endocytosis. <i>FASEB Journal</i> , 2019 , 33, 10240-10256	0.9	10
24	Intracellular cAMP controls a physical association of V-1 with CapZ in cultured mammalian endocrine cells. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 181-6	3.4	10
23	Metronomic scheduling of a cyclic hexapeptide Ra-VII for anti-angiogenesis, tumor vessel maturation and anti-tumor activity. <i>Cancer Science</i> , 2006 , 97, 665-74	6.9	10
22	A purkinje cell-specific protein (spot 35 protein) showing wide distribution in the endocrine system of some mammals. An immunohistochemical study.. <i>Acta Histochemica Et Cytochemica</i> , 1986 , 19, 545-553	1.9	10
21	SLC10A4 is a protease-activated transporter that transports bile acids. <i>Journal of Biochemistry</i> , 2013 , 154, 93-101	3.1	9
20	Honeybee royal jelly and nobiletin stimulate CRE-mediated transcription in ERK-independent and -dependent fashions, respectively, in PC12D cells. <i>Journal of Pharmacological Sciences</i> , 2011 , 116, 384-7	3.7	9
19	Stimulated tyrosine phosphorylation of phosphatidylinositol 3-kinase causes acidic pH-induced contraction in spontaneously hypertensive rat aorta. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 1255-64	4.7	9
18	V-1, a catecholamine biosynthesis regulatory protein, positively controls catecholamine secretion in PC12D cells. <i>FEBS Letters</i> , 2002 , 530, 94-8	3.8	9
17	Dual effects of nobiletin, a citrus polymethoxy flavone, on catecholamine secretion in cultured bovine adrenal medullary cells. <i>Journal of Neurochemistry</i> , 2010 , 114, 1030-8	6	8
16	Evidence for the involvement of protein kinase C in acidic pH-induced contraction in spontaneously hypertensive rat aorta. <i>Pharmacology</i> , 2004 , 71, 10-6	2.3	8

15	Transient appearance of immunoreactivity for Ca-binding protein (spot 35-calbindin) in small principal neurons in the superior cervical ganglion of pre-weanling rats. <i>Journal of the Autonomic Nervous System</i> , 1991 , 35, 25-31		8
14	Four new myrsinol diterpenes from <i>Euphorbia prolifera</i> . <i>Journal of Natural Medicines</i> , 2013 , 67, 333-8	3.3	7
13	Two steroidal saponins from <i>Camassia cusickii</i> induce L1210 cell death through the apoptotic mechanism. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001 , 79, 953-958	2.4	6
12	Fermented <i>Citrus reticulata</i> (ponkan) fruit squeezed draff that contains a large amount of 4'-demethylnobiletin prevents MK801-induced memory impairment. <i>Journal of Natural Medicines</i> , 2017 , 71, 617-631	3.3	5
11	Expression of V-1, a novel catecholamine biosynthesis regulatory protein, is enhanced by hypertension in atrial myocytes of Dahl salt-sensitive rats. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 298, 793-7	3.4	5
10	Glucocorticoid inhibits expression of V-1, a catecholamine biosynthesis regulatory protein, in cultured adrenal medullary cells. <i>FEBS Letters</i> , 2002 , 528, 166-70	3.8	5
9	Production and secretion of nerve growth factor by clonal striated muscle cell line, G8-1. <i>Neurochemistry International</i> , 1992 , 21, 251-8	4.4	4
8	Royal jelly coordinately enhances hippocampal neuronal expression of somatostatin and neprilysin genes conferring neuronal protection against toxic soluble amyloid- β oligomers implicated in Alzheimer's disease pathogenesis. <i>Journal of Functional Foods</i> , 2018 , 51, 28-38	5.1	3
7	Tyrosine hydroxylase gene expression is facilitated by alcohol followed by the degradation of the protein by ubiquitin proteasome system. <i>Neuroendocrinology Letters</i> , 2017 , 38, 43-49	0.3	2
6	Acidosis-induced protein tyrosine phosphorylation depends on Ca ²⁺ influx via voltage-dependent Ca ²⁺ channels in SHR aorta. <i>European Journal of Pharmacology</i> , 2004 , 504, 105-11	5.3	1
5	Effect of methoxyflavones contained in <i>Kaempferia parviflora</i> on CRE-mediated transcription in PC12D cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127606	2.9	1
4	Oral sinensetin, but not nobiletin alone, prevents MK801-induced impairment of memory formation in mice, like nobiletin-rich chinpi, a kampo medicine. <i>Traditional & Kampo Medicine</i> , 2017 , 4, 116-120	0.7	
3	A new regulatory protein of catecholamine synthesizing-enzyme expression. <i>Advances in Pharmacology</i> , 1998 , 42, 30-2	5.7	
2	Overexpression of V-1 prevents nitric oxide-induced cell death: involvement of enhanced tetrahydrobiopterin biosynthesis. <i>Journal of Neuroscience Research</i> , 2003 , 72, 716-25	4.4	
1	Enhancement of Noradrenergic Phenotype Expression in Transgenic Mice Overexpressing V-1, A Cytoplasmic Ankyrin Repeat Protein. <i>Advances in Behavioral Biology</i> , 2002 , 53-56		