Takeshi Takarada

List of Publications by Year in Descending Order

106 papers	2,449 citations	25 h-index	44 g-index
117 ext. papers	2,929 ext. citations	6.2 avg, IF	4.6 L-index

#	Paper	IF	Citations
106	RUNX2 regulates leukemic cell metabolism and chemotaxis in high-risk T cell acute lymphoblastic leukemia. *Journal of Clinical Investigation*, **2021**, 131,	15.9	6
105	Oncogenic potential of human pluripotent stem cell-derived lung organoids with HER2 overexpression. *International Journal of Cancer*, **2021**, 149, 1593-1604	7.5	2
104	PRRX1 promotes malignant properties in human osteosarcoma. *Translational Oncology*, **2021**, 14, 100960	4.9	5
103	Induction and expansion of human PRRX1 limb-bud-like mesenchymal cells from pluripotent stem cells. *Nature Biomedical Engineering*, **2021**, 5, 926-940	19	3
102	Understanding the mesenchymal stem cell and its application to the study of human pluripotent stem cells. *Okayama Igakkai Zasshi*, **2021**, 133, 158-165	0	
101	A RUNX2 stabilization pathway mediates physiologic and pathologic bone formation. *Nature Communications*, **2020**, 11, 2289	17.4	15
100	Core Binding Factors are essential for ovulation, luteinization, and female fertility in mice. *Scientific Reports*, **2020**, 10, 9921	4.9	4
99	Establishment of a tTA-dependent photoactivatable Cre recombinase knock-in mouse model for optogenetic genome engineering. *Biochemical and Biophysical Research Communications*, **2020**, 526, 213-217	3.4	7
98	BMP-2/β-TCP Local Delivery for Bone Regeneration in MRONJ-Like Mouse Model. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
97	Glutamatergic neurons in the medial prefrontal cortex mediate the formation and retrieval of cocaine-associated memories in mice. *Addiction Biology*, **2020**, 25, e12723	4.6	15
96	Inhibition of the glutamine transporter SNAT1 confers neuroprotection in mice by modulating the mTOR-autophagy system. *Communications Biology*, **2019**, 2, 346	6.7	18
95	Runx2 function in cells of neural crest origin during intramembranous ossification. *Biochemical and Biophysical Research Communications*, **2019**, 509, 1028-1033	3.4	9
94	Postnatal Runx2 deletion leads to low bone mass and adipocyte accumulation in mice bone tissues. *Biochemical and Biophysical Research Communications*, **2019**, 516, 1229-1233	3.4	13
93	Design, synthesis, and biological evaluation of radioiodinated benzo[d]imidazole-quinoline derivatives for platelet-derived growth factor receptor (PDGFR) imaging. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 383-393	3.4	7
92	Runx2 is required for postnatal intervertebral disc tissue growth and development. *Journal of Cellular Physiology*, **2019**, 234, 6679-6687	7	13
91	Bone Marrow Cells Inhibit BMP-2-Induced Osteoblast Activity in the Marrow Environment. *Journal of Bone and Mineral Research*, **2019**, 34, 327-332	6.3	7
90	Type IV collagen α6 chain is a regulator of keratin 10 in keratinization of oral mucosal epithelium. *Scientific Reports*, **2018**, 8, 2612	4.9	11

89	Radiobrominated benzimidazole-quinoline derivatives as Platelet-derived growth factor receptor beta (PDGFR) imaging probes. *Scientific Reports*, **2018**, 8, 10369	4.9	6
88	The MAPK Erk5 is necessary for proper skeletogenesis involving a Smurf-Smad-Sox9 molecular axis. *Development (Cambridge)*, **2018**, 145,	6.6	13
87	Core Binding Factor Expression in Ovarian Granulosa Cells Is Essential for Female Fertility. *Endocrinology*, **2018**, 159, 2094-2109	4.8	12
86	Physiological role of urothelial cancer-associated one long noncoding RNA in human skeletogenic cell differentiation. *Journal of Cellular Physiology*, **2018**, 233, 4825-4840	7	12
85	RUNX2 Promotes Malignant Progression in Glioma. *Neurochemical Research*, **2018**, 43, 2047-2054	4.6	12
84	The transcriptional modulator Ifrd1 controls PGC-1 expression under short-term adrenergic stimulation in brown adipocytes. *FEBS Journal*, **2017**, 284, 784-795	5.7	6
83	Deletion of Runx2 in Articular Chondrocytes Decelerates the Progression of DMM-Induced Osteoarthritis in Adult Mice. *Scientific Reports*, **2017**, 7, 2371	4.9	45
82	Bone Resorption Is Regulated by Circadian Clock in Osteoblasts. *Journal of Bone and Mineral Research*, **2017**, 32, 872-881	6.3	56
81	Disruption of Bmal1 Impairs Blood-Brain Barrier Integrity via Pericyte Dysfunction. *Journal of Neuroscience*, **2017**, 37, 10052-10062	6.6	55
80	Synthesis and evaluation of radioiodinated 1-{2-[5-(2-methoxyethoxy)-1H-benzo[d]imidazol-1-yl]quinolin-8-yl}piperidin-4-amine derivatives for platelet-derived growth factor receptor (PDGFR) imaging. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 5576-5585	3.4	7
79	The intrinsic microglial clock system regulates interleukin-6 expression. *Glia*, **2017**, 65, 198-208	9	34
78	Upregulation of Slc38a1 Gene Along with Promotion of Neurosphere Growth and Subsequent Neuronal Specification in Undifferentiated Neural Progenitor Cells Exposed to Theanine. *Neurochemical Research*, **2016**, 41, 5-15	4.6	9
77	Circadian Clock Regulates Bone Resorption in Mice. *Journal of Bone and Mineral Research*, **2016**, 31, 1344-55	6.5	50
76	Possible activation by the green tea amino acid theanine of mammalian target of rapamycin signaling in undifferentiated neural progenitor cells. *Biochemistry and Biophysics Reports*, **2016**, 5, 89-95	2.2	9
75	Protective upregulation of activating transcription factor-3 against glutamate neurotoxicity in neuronal cells under ischemia. *Journal of Neuroscience Research*, **2016**, 94, 378-88	4.4	8
74	Genetic analysis of Runx2 function during intramembranous ossification. *Development (Cambridge)*, **2016**, 143, 211-8	6.6	51
73	Transcriptional Modulator Ifrd1 Regulates Osteoclast Differentiation through Enhancing the NF-B/NFATc1 Pathway. *Molecular and Cellular Biology*, **2016**, 36, 2451-63	4.8	15
72	The Transcriptional Modulator Interferon-Related Developmental Regulator 1 in Osteoblasts Suppresses Bone Formation and Promotes Bone Resorption. *Journal of Bone and Mineral Research*, **2016**, 31, 573-84	6.3	19

71	ATF3 deficiency in chondrocytes alleviates osteoarthritis development. *Journal of Pathology*, **2016**, 239, 426-37	9.4	25
70	ATF3 controls proliferation of osteoclast precursor and bone remodeling. *Scientific Reports*, **2016**, 6, 30918	4.9	14
69	Glucose Uptake and Runx2 Synergize to Orchestrate Osteoblast Differentiation and Bone Formation. *Cell*, **2015**, 161, 1576-1591	56.2	255
68	Glucose Uptake and Runx2 Synergize to Orchestrate Osteoblast Differentiation and Bone Formation. *Cell*, **2015**, 162, 1169	56.2	3
67	Upregulation of Runt-Related Transcription Factor-2 Through CCAAT Enhancer Binding Protein- Signaling Pathway in Microglial BV-2 Cells Exposed to ATP. *Journal of Cellular Physiology*, **2015**, 230, 2510-21	7	6
66	Potential interactions of calcium-sensitive reagents with zinc ion in different cultured cells. *PLoS ONE*, **2015**, 10, e0127421	3.7	6
65	Daily oral intake of theanine prevents the decline of 5-bromo-2-deoxyuridine incorporation in hippocampal dentate gyrus with concomitant alleviation of behavioral abnormalities in adult mice with severe traumatic stress. *Journal of Pharmacological Sciences*, **2015**, 127, 292-7	3.7	10
64	Constitutive and functional expression of runt-related transcription factor-2 by microglial cells. *Neurochemistry International*, **2014**, 74, 24-35	4.4	6
63	Neuropsychiatric systemic lupus erythematosus: pathophysiology and the future of treatment. *International Journal of Clinical Rheumatology*, **2013**, 8, 585-595	1.5	
62	An analysis of skeletal development in osteoblast-specific and chondrocyte-specific runt-related transcription factor-2 (Runx2) knockout mice. *Journal of Bone and Mineral Research*, **2013**, 28, 2064-9	6.3	113
61	Negative correlation between Per1 and Sox6 expression during chondrogenic differentiation in pre-chondrocytic ATDC5 cells. *Journal of Pharmacological Sciences*, **2013**, 122, 318-25	3.7	7
60	Myosin VI reduces proliferation, but not differentiation, in pluripotent P19 cells. *PLoS ONE*, **2013**, 8, e63947	3.7	5
59	Selective inhibition by ethanol of mitochondrial calcium influx mediated by uncoupling protein-2 in relation to N-methyl-D-aspartate cytotoxicity in cultured neurons. *PLoS ONE*, **2013**, 8, e69718	3.7	11
58	Possible modulation of process extension by N-methyl-D-aspartate receptor expressed in osteocytic MLO-Y4 cells. *Journal of Pharmacological Sciences*, **2012**, 119, 112-6	3.7	7
57	Transferrin receptor-1 suppresses neurite outgrowth in neuroblastoma Neuro2A cells. *Neurochemistry International*, **2012**, 60, 448-57	4.4	13
56	Possible involvement of mitochondrial uncoupling protein-2 in cytotoxicity mediated by acquired N-methyl-D-aspartate receptor channels. *Neurochemistry International*, **2012**, 61, 498-505	4.4	5
55	Osteoclastogenesis is negatively regulated by D-serine produced by osteoblasts. *Journal of Cellular Physiology*, **2012**, 227, 3477-87	7	9
54	Possible neuroprotective property of nicotinic acetylcholine receptors in association with predominant upregulation of glial cell line-derived neurotrophic factor in astrocytes. *Journal of Neuroscience Research*, **2012**, 90, 2074-85	4.4	25

53	Positive regulation of osteoclastic differentiation by growth differentiation factor 15 upregulated in osteocytic cells under hypoxia. *Journal of Bone and Mineral Research*, **2012**, 27, 938-49	6.3	45
52	Clock genes influence gene expression in growth plate and endochondral ossification in mice. *Journal of Biological Chemistry*, **2012**, 287, 36081-95	5.4	67
51	Positive regulation by □aminobutyric acid B receptor subunit-1 of chondrogenesis through acceleration of nuclear translocation of activating transcription factor-4. *Journal of Biological Chemistry*, **2012**, 287, 33293-303	5.4	10
50	Delayed mitochondrial membrane potential disruption by ATP in cultured rat hippocampal neurons exposed to N-methyl-D-aspartate. *Journal of Pharmacological Sciences*, **2012**, 119, 20-9	3.7	4
49	Promoted neuronal differentiation after activation of alpha4/beta2 nicotinic acetylcholine receptors in undifferentiated neural progenitors. *PLoS ONE*, **2012**, 7, e46177	3.7	22
48	Promotion of both proliferation and neuronal differentiation in pluripotent P19 cells with stable overexpression of the glutamine transporter slc38a1. *PLoS ONE*, **2012**, 7, e48270	3.7	22
47	Exacerbated vulnerability to oxidative stress in astrocytic C6 glioma cells with stable overexpression of the glutamine transporter slc38a1. *Neurochemistry International*, **2011**, 58, 504-11	4.4	19
46	A possible pivotal role of mitochondrial free calcium in neurotoxicity mediated by N-methyl-d-aspartate receptors in cultured rat hippocampal neurons. *Neurochemistry International*, **2011**, 59, 10-20	4.4	17
45	Positive regulation by GABA(B)R1 subunit of leptin expression through gene transactivation in adipocytes. *PLoS ONE*, **2011**, 6, e20167	3.7	11
44	Gradual downregulation of protein expression of the partner GABA(B)R2 subunit during postnatal brain development in mice defective of GABA(B)R1 subunit. *Journal of Pharmacological Sciences*, **2011**, 115, 45-55	3.7	7
43	A negative correlation between expression profiles of runt-related transcription factor-2 and cystine/glutamate antiporter xCT subunit in ovariectomized mouse bone. *Journal of Pharmacological Sciences*, **2011**, 115, 309-19	3.7	16
42	Selective upregulation of Per1 mRNA expression by ATP through activation of P2X7 purinergic receptors expressed in microglial cells. *Journal of Pharmacological Sciences*, **2011**, 116, 350-61	3.7	28
41	Glutamate preferentially suppresses osteoblastogenesis than adipogenesis through the cystine/glutamate antiporter in mesenchymal stem cells. *Journal of Cellular Physiology*, **2011**, 226, 652-65	7	17
40	Negative regulation of osteoblastogenesis through downregulation of runt-related transcription factor-2 in osteoblastic MC3T3-E1 cells with stable overexpression of the cystine/glutamate antiporter xCT subunit. *Journal of Cellular Physiology*, **2011**, 226, 2953-64	7	7
39	NR2-reactive antibody decreases cell viability through augmentation of Ca(2+) influx in systemic lupus erythematosus. *Arthritis and Rheumatism*, **2011**, 63, 3952-9		23
38	Osteoblastic □aminobutyric acid, type B receptors negatively regulate osteoblastogenesis toward disturbance of osteoclastogenesis mediated by receptor activator of nuclear factor B ligand in mouse bone. *Journal of Biological Chemistry*, **2011**, 286, 32906-17	5.4	19
37	Selective downregulation of N-methyl-D-aspartate receptor (NMDAR) rather than non-NMDAR subunits in ipsilateral cerebral hemispheres in rats with middle cerebral artery occlusion. *Japanese Journal of Psychopharmacology*, **2011**, 31, 187-94		1
36	Requirement of both NR3A and NR3B subunits for dominant negative properties on Ca2+ mobilization mediated by acquired N-methyl-D-aspartate receptor channels into mitochondria. *Neurochemistry International*, **2010**, 57, 730-7	4.4	10

35	Inhibition by 2-methoxy-4-ethylphenol of Ca2+ influx through acquired and native N-methyl-D-aspartate-receptor channels. *Journal of Pharmacological Sciences*, **2010**, 112, 273-81	3.7	24
34	Induced tolerance to glutamate neurotoxicity through down-regulation of NR2 subunits of N-methyl-D-aspartate receptors in cultured rat striatal neurons. *Journal of Neuroscience Research*, **2010**, 88, 2177-87	4.4	13
33	Preferential inhibition by antidiarrheic 2-methoxy-4-methylphenol of Ca(2+) influx across acquired N-methyl-D-aspartate receptor channels composed of NR1/NR2B subunit assembly. *Journal of Neuroscience Research*, **2010**, 88, 2483-93	4.4	6
32	Functional expression of beta2 adrenergic receptors responsible for protection against oxidative stress through promotion of glutathione synthesis after Nrf2 upregulation in undifferentiated mesenchymal C3H10T1/2 stem cells. *Journal of Cellular Physiology*, **2009**, 218, 268-75	7	51
31	Interference with cellular differentiation by D-serine through antagonism at N-methyl-D-aspartate receptors composed of NR1 and NR3A subunits in chondrocytes. *Journal of Cellular Physiology*, **2009**, 220, 756-64	7	23
30	Possible protection by notoginsenoside R1 against glutamate neurotoxicity mediated by N-methyl-D-aspartate receptors composed of an NR1/NR2B subunit assembly. *Journal of Neuroscience Research*, **2009**, 87, 2145-56	4.4	48
29	Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. *Journal of Neuroscience Research*, **2009**, 87, 2406-17	4.4	17
28	A protein-protein interaction of stress-responsive myosin VI endowed to inhibit neural progenitor self-replication with RNA binding protein, TLS, in murine hippocampus. *Journal of Neurochemistry*, **2009**, 110, 1457-68	6	18
27	Interference by adrenaline with chondrogenic differentiation through suppression of gene transactivation mediated by Sox9 family members. *Bone*, **2009**, 45, 568-78	4.7	17
26	Transactivation by Runt related factor-2 of matrix metalloproteinase-13 in astrocytes. *Neuroscience Letters*, **2009**, 451, 99-104	3.3	19
25	Predominant promotion by tacrolimus of chondrogenic differentiation to proliferating chondrocytes. *Journal of Pharmacological Sciences*, **2009**, 109, 413-23	3.7	26
24	Neurogenesis mediated by gamma-aminobutyric acid and glutamate signaling. *Journal of Pharmacological Sciences*, **2009**, 110, 133-49	3.7	45
23	A critical importance of polyamine site in NMDA receptors for neurite outgrowth and fasciculation at early stages of P19 neuronal differentiation. *Experimental Cell Research*, **2008**, 314, 2603-17	4.2	21
22	Pharmacological topics of bone metabolism: glutamate as a signal mediator in bone. *Journal of Pharmacological Sciences*, **2008**, 106, 536-41	3.7	23
21	Differential regulation of cellular maturation in chondrocytes and osteoblasts by glycine. *Cell and Tissue Research*, **2008**, 333, 91-103	4.2	15
20	Serine racemase suppresses chondrogenic differentiation in cartilage in a Sox9-dependent manner. *Journal of Cellular Physiology*, **2008**, 215, 320-8	7	17
19	Glutamate is a determinant of cellular proliferation through modulation of nuclear factor E2 p45-related factor-2 expression in osteoblastic MC3T3-E1 cells. *Journal of Cellular Physiology*, **2007**, 213, 105-14	7	12
18	Suppression by glutamate of proliferative activity through glutathione depletion mediated by the cystine/glutamate antiporter in mesenchymal C3H10T1/2 stem cells. *Journal of Cellular Physiology*, **2007**, 213, 721-9	7	20

17	Oral administration of phenolic antidiarrheic ingredients prevents ovariectomy-induced bone loss. *Biochemical Pharmacology*, **2007**, 73, 385-93	6	11
16	Osteoblast protects osteoclast devoid of sodium-dependent vitamin C transporters from oxidative cytotoxicity of ascorbic acid. *European Journal of Pharmacology*, **2007**, 575, 1-11	5.3	15
15	Nuclear factor E2 p45-related factor 2 negatively regulates chondrogenesis. *Bone*, **2007**, 40, 337-44	4.7	51
14	Glutamate suppresses osteoclastogenesis through the cystine/glutamate antiporter. *American Journal of Pathology*, **2007**, 170, 1277-90	5.8	30
13	Possible expression of a particular gamma-aminobutyric acid transporter isoform responsive to upregulation by hyperosmolarity in rat calvarial osteoblasts. *European Journal of Pharmacology*, **2006**, 550, 24-32	5.3	4
12	A molecular mechanism of pyruvate protection against cytotoxicity of reactive oxygen species in osteoblasts. *Molecular Pharmacology*, **2006**, 70, 925-35	4.3	41
11	Up-regulation of per mRNA expression by parathyroid hormone through a protein kinase A-CREB-dependent mechanism in chondrocytes. *Journal of Biological Chemistry*, **2006**, 281, 23632-42	5.4	53
10	Abolition of chondral mineralization by group III metabotropic glutamate receptors expressed in rodent cartilage. *British Journal of Pharmacology*, **2005**, 146, 732-43	8.6	32
9	Excitatory amino acid transporters expressed by synovial fibroblasts in rats with collagen-induced arthritis. *Biochemical Pharmacology*, **2005**, 70, 1744-55	6	27
8	Counteraction by repetitive daily exposure to static magnetism against sustained blockade of N-methyl-D-aspartate receptor channels in cultured rat hippocampal neurons. *Journal of Neuroscience Research*, **2005**, 80, 491-500	4.4	19
7	Nuclear condensation of cyclic adenosine monophosphate responsive element-binding protein in discrete murine brain structures. *Journal of Neuroscience Research*, **2005**, 80, 667-76	4.4	2
6	Glutamate transporters as drug targets. *CNS and Neurological Disorders*, **2005**, 4, 211-20		29
5	Accumulation of [3H] glutamate in cultured rat calvarial osteoblasts. *Biochemical Pharmacology*, **2004**, 68, 177-84	6	25
4	Glutamate signaling in peripheral tissues. *FEBS Journal*, **2004**, 271, 1-13		149
3	Glutamate signaling system in bone. *Journal of Pharmacological Sciences*, **2004**, 94, 215-20	3.7	50
2	Uptake of [3H]L-serine in rat brain synaptosomal fractions. *Brain Research*, **2003**, 983, 36-47	3.7	15
1	Facilitation of glutamate release by ionotropic glutamate receptors in osteoblasts. *Biochemical and Biophysical Research Communications*, **2002**, 297, 452-8	3.4	51