Bisei Ohkawara

List of Publications by Year
in descending order

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55 papers	3,159 citations	218677 26 h-index	155660 55 g-index
58 all docs	58 docs citations	58 times ranked	5135 citing authors

#	Article	IF	Citations
1	Requirement of Prorenin Receptor and Vacuolar H ⁺ -ATPaseâ€“Mediated Acidification for Wnt Signaling. Science, 2010, 327, 459-463.	12.6	514
2	Manipulation of Alternative Splicing by a Newly Developed Inhibitor of Clks. Journal of Biological Chemistry, 2004, 279, 24246-24254.	3.4	257
3	Rspo3 Binds Syndecan 4 and Induces Wnt/PCP Signaling via Clathrin-Mediated Endocytosis to Promote Morphogenesis. Developmental Cell, 2011, 20, 303-314.	7.0	200
4	RNA Helicase DDX3 Is a Regulatory Subunit of Casein Kinase 1 in Wntâ€“Î²-Catenin Signaling. Science, 2013, 339, 1436-1441.	12.6	176
5	Role of glypican 4 in the regulation of convergent extension movements during gastrulation in Xenopus laevis. Development (Cambridge), 2003, 130, 2129-2138.	2.5	166
6	Action Range of BMP Is Defined by Its N-Terminal Basic Amino Acid Core. Current Biology, 2002, 12, 205-209.	3.9	162
7	The Wnt signaling regulator R-spondin 3 promotes angioblast and vascular development. Development (Cambridge), 2008, 135, 3655-3664.	2.5	135
8	NARF, an Nemo-like Kinase (NLK)-associated Ring Finger Protein Regulates the Ubiquitylation and Degradation of T Cell Factor/Lymphoid Enhancer Factor (TCF/LEF). Journal of Biological Chemistry, 2006, 281, 20749-20760.	3.4	118
9	Wnt/Frizzled Signaling Requires dPRR, the Drosophila Homolog of the Prorenin Receptor. Current Biology, 2010, 20, 1263-1268.	3.9	115
10	Position-specific binding of FUS to nascent RNA regulates mRNA length. Genes and Development, 2015, 29, 1045-1057.	5.9	98
11	Role of the TAK1-NLK-STAT3 pathway in TGF-Â-mediated mesoderm induction. Genes and Development, 2004, 18, 381-386.	5.9	96
12	LRP4 third Î²-propeller domain mutations cause novel congenital myasthenia by compromising agrin-mediated MuSK signaling in a position-specific manner. Human Molecular Genetics, 2014, 23, 1856-1868.	2.9	96
13	Role of a BCL9-Related Î²-Catenin-Binding Protein, B9L, in Tumorigenesis Induced by Aberrant Activation of Wnt Signaling. Cancer Research, 2004, 64, 8496-8501.	0.9	87
14	Verapamil Protects against Cartilage Degradation in Osteoarthritis by Inhibiting Wnt/Î²-Catenin Signaling. PLoS ONE, 2014, 9, e92699.	2.5	67
15	An ATF2â€based luciferase reporter to monitor nonâ€canonical Wnt signaling in xenopus embryos. Developmental Dynamics, 2011, 240, 188-194.	1.8	63
16	Collagen Q and anti-MuSK autoantibody competitively suppress agrin/LRP4/MuSK signaling. Scientific Reports, 2015, 5, 13928.	3.3	54
17	Competitive regulation of alternative splicing and alternative polyadenylation by hnRNP H and CstF64 determines acetylcholinesterase isoforms. Nucleic Acids Research, 2016, 45, gkw823.	14.5	53
18	Meclozine Facilitates Proliferation and Differentiation of Chondrocytes by Attenuating Abnormally Activated FGFR3 Signaling in Achondroplasia. PLoS ONE, 2013, 8, e81569.	2.5	46

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19	Meclozine Promotes Longitudinal Skeletal Growth in Transgenic Mice with Achondroplasia Carrying a Gain-of-Function Mutation in the FGFR3 Gene. Endocrinology, 2015, 156, 548-554.	2.8	44
20	Agrin-LRP4-MuSK signaling as a therapeutic target for myasthenia gravis and other neuromuscular disorders. Expert Opinion on Therapeutic Targets, 2017, 21, 949-958.	3.4	44
21	Wnt/Î²-catenin signaling suppresses expressions of Scx, Mkx, and Tnmd in tendon-derived cells. PLoS ONE, 2017, 12, e0182051.	2.5	44
22	Impaired Synaptic Development, Maintenance, and Neuromuscular Transmission in LRP4-Related Myasthenia. JAMA Neurology, 2015, 72, 889.	9.0	41
23	R-spondin 2 facilitates differentiation of proliferating chondrocytes into hypertrophic chondrocytes by enhancing Wnt/Î²-catenin signaling in endochondral ossification. Biochemical and Biophysical Research Communications, 2016, 473, 255-264.	2.1	31
24	Negative regulation of Wnt signalling by HMG2L1, a novel NLK-binding protein. Genes To Cells, 2003, 8, 677-684.	1.2	30
25	Phenylbutazone induces expression of MBNL1 and suppresses formation of MBNL1-CUG RNA foci in a mouse model of myotonic dystrophy. Scientific Reports, 2016, 6, 25317.	3.3	29
26	Zonisamide Enhances Neurite Elongation of Primary Motor Neurons and Facilitates Peripheral Nerve Regeneration In Vitro and in a Mouse Model. PLoS ONE, 2015, 10, e0142786.	2.5	28
27	Fluoxetine ameliorates cartilage degradation in osteoarthritis by inhibiting Wnt/Î²-catenin signaling. PLoS ONE, 2017, 12, e0184388.	2.5	27
28	LRP4 induces extracellular matrix productions and facilitates chondrocyte differentiation. Biochemical and Biophysical Research Communications, 2014, 451, 302-307.	2.1	25
29	R-spondin 2 promotes acetylcholine receptor clustering at the neuromuscular junction via Lgr5. Scientific Reports, 2016, 6, 28512.	3.3	24
30	Molecular hydrogen suppresses activated Wnt/Î²-catenin signaling. Scientific Reports, 2016, 6, 31986.	3.3	20
31	Secreted Signaling Molecules at the Neuromuscular Junction in Physiology and Pathology. International Journal of Molecular Sciences, 2021, 22, 2455.	4.1	20
32	Mianserin suppresses R-spondin 2-induced activation of Wnt/Î²-catenin signaling in chondrocytes and prevents cartilage degradation in a rat model of osteoarthritis. Scientific Reports, 2019, 9, 2808.	3.3	19
33	A missense mutation in domain III in HSPG2 in Schwartzâ€“Jampel syndrome compromises secretion of perlecan into the extracellular space. Neuromuscular Disorders, 2015, 25, 667-671.	0.6	18
34	Congenital myasthenic syndrome in Japan: Ethnically unique mutations in muscle nicotinic acetylcholine receptor subunits. Neuromuscular Disorders, 2015, 25, 60-69.	0.6	18
35	tRIPâ€seq reveals repression of premature polyadenylation by coâ€transcriptional FUSâ€U1 snRNP assembly. EMBO Reports, 2020, 21, e49890.	4.5	18
36	Lansoprazole Upregulates Polyubiquitination of the TNF Receptor-Associated Factor 6 and Facilitates Runx2-mediated Osteoblastogenesis. EBioMedicine, 2015, 2, 2046-2061.	6.1	15

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37	Congenital myasthenic syndromeâ€“associated agrin variants affect clustering of acetylcholine receptors in a domain-specific manner. JCI Insight, 2020, 5, .	5.0	15
38	CTGF/CCN2 facilitates LRP4â€mediated formation of the embryonic neuromuscular junction. EMBO Reports, 2020, 21, e48462.	4.5	15
39	Activated FGFR3 promotes bone formation via accelerating endochondral ossification in mouse model of distraction osteogenesis. Bone, 2017, 105, 42-49.	2.9	14
40	Lack of Fgf18 causes abnormal clustering of motor nerve terminals at the neuromuscular junction with reduced acetylcholine receptor clusters. Scientific Reports, 2018, 8, 434.	3.3	12
41	Gene Expression Profile at the Motor Endplate of the Neuromuscular Junction of Fast-Twitch Muscle. Frontiers in Molecular Neuroscience, 2020, 13, 154.	2.9	12
42	Inhibition of cyclooxygenase-1 by nonsteroidal anti-inflammatory drugs demethylates MeR2 enhancer and promotes Mbnl1 transcription in myogenic cells. Scientific Reports, 2020, 10, 2558.	3.3	12
43	Differential effects of spinal motor neuron-derived and skeletal muscle-derived Rspo2 on acetylcholine receptor clustering at the neuromuscular junction. Scientific Reports, 2018, 8, 13577.	3.3	11
44	Zonisamide ameliorates progression of cervical spondylotic myelopathy in a rat model. Scientific Reports, 2020, 10, 13138.	3.3	10
45	Recent advances in congenital myasthenic syndromes. Clinical and Experimental Neuroimmunology, 2016, 7, 246-259.	1.0	9
46	Tranilast stimulates endochondral ossification by upregulating SOX9 and RUNX2 promoters. Biochemical and Biophysical Research Communications, 2016, 470, 356-361.	2.1	8
47	Regulated splicing of large exons is linked to phaseâ€separation of vertebrate transcription factors. EMBO Journal, 2021, 40, e107485.	7.8	8
48	Zonisamide ameliorates neuropathic pain partly by suppressing microglial activation in the spinal cord in a mouse model. Life Sciences, 2020, 263, 118577.	4.3	7
49	Characterization of a multipotent neural progenitor cell line cloned from an adult p53â^'/â^' mouse cerebellum. Brain Research, 2003, 959, 11-19.	2.2	6
50	Repositioning again of zonisamide for nerve regeneration. Neural Regeneration Research, 2016, 11, 541.	3.0	5
51	SRSF1 suppresses selection of intron-distal 5â€² splice site of DOK7 intron 4 to generate functional full-length Dok-7 protein. Scientific Reports, 2017, 7, 10446.	3.3	4
52	Possible Repositioning of an Oral Anti-Osteoporotic Drug, Ipriflavone, for Treatment of Inflammatory Arthritis via Inhibitory Activity of KIAA1199, a Novel Potent Hyaluronidase. International Journal of Molecular Sciences, 2022, 23, 4089.	4.1	3
53	Zonisamide upregulates neuregulin-1 expression and enhances acetylcholine receptor clustering at the in vitro neuromuscular junction. Neuropharmacology, 2021, 195, 108637.	4.1	2
54	Promethazine Downregulates Wnt/Î²-Catenin Signaling and Increases the Biomechanical Forces of the Injured Achilles Tendon in the Early Stage of Healing. American Journal of Sports Medicine, 2022, 50, 1317-1327.	4.2	2

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55	Meclozine ameliorates skeletal muscle pathology and increases muscle forces in mdx mice. Biochemical and Biophysical Research Communications, 2022, 592, 87-92.	2.1	0