

Weiguo Zou

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

4,393
citations

126858

33
h-index

128225

60
g-index

64
all docs

64
docs citations

64
times ranked

6205
citing authors

#	ARTICLE	IF	CITATIONS
1	UBP43 is a novel regulator of interferon signaling independent of its ISG15 isopeptidase activity. <i>EMBO Journal</i> , 2006, 25, 2358-2367.	3.5	374
2	The p38 MAPK pathway is essential for skeletogenesis and bone homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2457-2473.	3.9	343
3	Paracrine and endocrine actions of boneâ€™the functions of secretory proteins from osteoblasts, osteocytes, and osteoclasts. <i>Bone Research</i> , 2018, 6, 16.	5.4	339
4	The Interferon-inducible Ubiquitin-protein Isopeptide Ligase (E3) EFP Also Functions as an ISG15 E3 Ligase. <i>Journal of Biological Chemistry</i> , 2006, 281, 3989-3994.	1.6	238
5	Mechanical sensing protein PIEZO1 regulates bone homeostasis via osteoblast-osteoclast crosstalk. <i>Nature Communications</i> , 2020, 11, 282.	5.8	229
6	Proteomic identification of proteins conjugated to ISG15 in mouse and human cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 496-506.	1.0	211
7	Cobalt chloride induces PC12 cells apoptosis through reactive oxygen species and accompanied by AP-1 activation. <i>Journal of Neuroscience Research</i> , 2001, 64, 646-653.	1.3	164
8	ISG15 modification of the eIF4E cognate 4EHP enhances cap structure-binding activity of 4EHP. <i>Genes and Development</i> , 2007, 21, 255-260.	2.7	151
9	An oncolytic adenoviral vector of Smac increases antitumor activity of TRAIL against HCC in human cells and in mice. <i>Hepatology</i> , 2004, 39, 1371-1381.	3.6	148
10	Mechanical regulation of bone remodeling. <i>Bone Research</i> , 2022, 10, 16.	5.4	134
11	TAK1 is an essential regulator of BMP signalling in cartilage. <i>EMBO Journal</i> , 2009, 28, 2028-2041.	3.5	124
12	Ube1L and Protein ISGylation Are Not Essential for Alpha/Beta Interferon Signaling. <i>Molecular and Cellular Biology</i> , 2006, 26, 472-479.	1.1	113
13	Involvement of caspase-3 and p38 mitogen-activated protein kinase in cobalt chloride-induced apoptosis in PC12 cells. <i>Journal of Neuroscience Research</i> , 2002, 67, 837-843.	1.3	102
14	The E3 ubiquitin ligase Wwp2 regulates craniofacial development through mono-ubiquitylation of Goosecoid. <i>Nature Cell Biology</i> , 2011, 13, 59-65.	4.6	95
15	Cdh1 Regulates Osteoblast Function through an APC/C-Independent Modulation of Smurf1. <i>Molecular Cell</i> , 2011, 44, 721-733.	4.5	91
16	Inactivation of Regulatory-associated Protein of mTOR (Raptor)/Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling in Osteoclasts Increases Bone Mass by Inhibiting Osteoclast Differentiation in Mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 196-204.	1.6	76
17	STAT3 controls osteoclast differentiation and bone homeostasis by regulating NFATc1 transcription. <i>Journal of Biological Chemistry</i> , 2019, 294, 15395-15407.	1.6	74
18	H3K36 trimethylation mediated by SETD2 regulates the fate of bone marrow mesenchymal stem cells. <i>PLoS Biology</i> , 2018, 16, e2006522.	2.6	73

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19	ISG15 modification of ubiquitin E2 Ubc13 disrupts its ability to form thioester bond with ubiquitin. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 61-68.	1.0	72
20	Mediator MED23 cooperates with RUNX2 to drive osteoblast differentiation and bone development. <i>Nature Communications</i> , 2016, 7, 11149.	5.8	71
21	Tracing the skeletal progenitor transition during postnatal bone formation. <i>Cell Stem Cell</i> , 2021, 28, 2122-2136.e3.	5.2	71
22	A novel oncolytic adenovirus targeting to telomerase activity in tumor cells with potent. <i>Oncogene</i> , 2004, 23, 457-464.	2.6	62
23	mTOR/Raptor signaling is critical for skeletogenesis in mice through the regulation of Runx2 expression. <i>Cell Death and Differentiation</i> , 2017, 24, 1886-1899.	5.0	57
24	The microtubule-associated protein DCAMKL1 regulates osteoblast function via repression of Runx2. <i>Journal of Experimental Medicine</i> , 2013, 210, 1793-1806.	4.2	56
25	Suppression of tumor growth by oncolytic adenovirus-mediated delivery of an antiangiogenic gene, Soluble Flt-1. <i>Molecular Therapy</i> , 2005, 11, 553-562.	3.7	55
26	Tendon-derived cathepsin K-expressing progenitor cells activate Hedgehog signaling to drive heterotopic ossification. <i>Journal of Clinical Investigation</i> , 2020, 130, 6354-6365.	3.9	54
27	MLK3 regulates bone development downstream of the faciogenital dysplasia protein FGD1 in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4383-4392.	3.9	54
28	Schnurri-3 regulates ERK downstream of WNT signaling in osteoblasts. <i>Journal of Clinical Investigation</i> , 2013, 123, 4010-4022.	3.9	53
29	SMURF2 regulates bone homeostasis by disrupting SMAD3 interaction with vitamin D receptor in osteoblasts. <i>Nature Communications</i> , 2017, 8, 14570.	5.8	52
30	Microarray analysis reveals that Type I interferon strongly increases the expression of immune-response related genes in Ubp43 (Usp18) deficient macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 193-199.	1.0	49
31	Lkb1 deletion in periosteal mesenchymal progenitors induces osteogenic tumors through mTORC1 activation. <i>Journal of Clinical Investigation</i> , 2019, 129, 1895-1909.	3.9	49
32	Negative regulation of ISG15 E3 ligase EFP through its autoISGylation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 321-327.	1.0	44
33	Histone demethylase LSD1 regulates bone mass by controlling WNT7B and BMP2 signaling in osteoblasts. <i>Bone Research</i> , 2018, 6, 14.	5.4	40
34	Cdh1 inhibits WWP2-mediated ubiquitination of PTEN to suppress tumorigenesis in an APC-independent manner. <i>Cell Discovery</i> , 2016, 2, 15044.	3.1	33
35	WWP2 is a physiological ubiquitin ligase for phosphatase and tensin homolog (PTEN) in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 8886-8899.	1.6	31
36	The E3 ligases Itch and WWP2 cooperate to limit TH2 differentiation by enhancing signaling through the TCR. <i>Nature Immunology</i> , 2018, 19, 766-775.	7.0	30

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37	VGLL4 promotes osteoblast differentiation by antagonizing TEADs-inhibited Runx2 transcription. <i>Science Advances</i> , 2020, 6, .	4.7	30
38	Identification of PIEZO1 polymorphisms for human bone mineral density. <i>Bone</i> , 2020, 133, 115247.	1.4	30
39	Discovery and Application of Postnatal Nucleus Pulposus Progenitors Essential for Intervertebral Disc Homeostasis and Degeneration. <i>Advanced Science</i> , 2022, 9, e2104888.	5.6	30
40	Gefitinib for Epidermal Growth Factor Receptor Activated Osteoarthritis Subpopulation Treatment. <i>EBioMedicine</i> , 2018, 32, 223-233.	2.7	26
41	Cdh1 regulates craniofacial development via APC-dependent ubiquitination and activation of Goosecoid. <i>Cell Research</i> , 2016, 26, 699-712.	5.7	25
42	RNA-binding protein SAMD4 regulates skeleton development through translational inhibition of Mig6 expression. <i>Cell Discovery</i> , 2017, 3, 16050.	3.1	23
43	The RNA-binding protein Musashi2 governs osteoblast-adipocyte lineage commitment by suppressing PPAR γ signaling. <i>Bone Research</i> , 2022, 10, 31.	5.4	20
44	Profiling and bioinformatics analysis of differentially expressed circular RNAs in human intervertebral disc degeneration. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 571-579.	0.9	19
45	Bromodomain and Extra-terminal (BET) Protein Inhibitors Suppress Chondrocyte Differentiation and Restrain Bone Growth. <i>Journal of Biological Chemistry</i> , 2016, 291, 26647-26657.	1.6	17
46	H3K36 methyltransferase NSD1 regulates chondrocyte differentiation for skeletal development and fracture repair. <i>Bone Research</i> , 2021, 9, 30.	5.4	17
47	Histone demethylase LSD1 is critical for endochondral ossification during bone fracture healing. <i>Science Advances</i> , 2020, 6, .	4.7	16
48	$\hat{\alpha}$ -TubK40me3 is required for neuronal polarization and migration by promoting microtubule formation. <i>Nature Communications</i> , 2021, 12, 4113.	5.8	16
49	Targeted genetic screening in mice through haploid embryonic stem cells identifies critical genes in bone development. <i>PLoS Biology</i> , 2019, 17, e3000350.	2.6	15
50	Geldanamycin, a heat shock protein 90-binding agent, disrupts Stat5 activation in IL-2-stimulated cells. <i>Journal of Cellular Physiology</i> , 2004, 198, 188-196.	2.0	14
51	Tissue Renin-Angiotensin System (tRAS) Induce Intervertebral Disc Degeneration by Activating Oxidative Stress and Inflammatory Reaction. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-25.	1.9	14
52	Further identification of NSF* as an epilepsy related gene. <i>Molecular Brain Research</i> , 2002, 99, 141-144.	2.5	12
53	Surgical Outcomes After Anterior Controllable Antedisplacement and Fusion Compared with Single Open-Door Laminoplasty: Preliminary Analysis of Postoperative Changes of Spinal Cord Displacements on T2-Weighted Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2019, 127, e288-e298.	0.7	11
54	Mechanosensitive Channel PIEZO1 Senses Shear Force to Induce KLF2/4 Expression via CaMKII/MEKK3/ERK5 Axis in Endothelial Cells. <i>Cells</i> , 2022, 11, 2191.	1.8	11

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55	A RANKL-based Osteoclast Culture Assay of Mouse Bone Marrow to Investigate the Role of mTORC1 in Osteoclast Formation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	10
56	BAD inactivation exacerbates rheumatoid arthritis pathology by promoting survival of sublining macrophages. <i>ELife</i> , 2020, 9, .	2.8	9
57	Critical Sites for the Interaction between IL-2R β and JAK3 and the Following Signaling. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 598-605.	1.0	7
58	The p.(Pro170Leu) variant in NOG impairs noggin secretion and causes autosomal dominant congenital conductive hearing loss due to stapes ankylosis. <i>Journal of Genetics and Genomics</i> , 2019, 46, 445-449.	1.7	4
59	A custom-designed panel sequencing study in 201 Chinese patients with craniosynostosis revealed novel variants and distinct mutation spectra. <i>Journal of Genetics and Genomics</i> , 2021, 48, 167-171.	1.7	3
60	Reply to "Dissecting the role of miR-140 and its host gene". <i>Nature Cell Biology</i> , 2018, 20, 519-520.	4.6	2
61	The microtubule-associated protein DCAMKL1 regulates osteoblast function via repression of Runx2. <i>Journal of Cell Biology</i> , 2013, 202, 2024OIA68.	2.3	0
62	Discovery and Application of Postnatal Nucleus Pulposus Progenitors Essential for Intervertebral Disc Homeostasis and Degeneration (<i>Adv. Sci.</i> 13/2022). <i>Advanced Science</i> , 2022, 9, .	5.6	0