Mei Wan

List of Publications by Year
in descending order

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68 papers	7,191 citations	87888 38 h-index	95266 68 g-index
77 all docs	77 docs citations	77 times ranked	8376 citing authors

#	Article	IF	Citations
1	Periosteal CD68⁺F4/80⁺ Macrophages Are Mechanosensitive for Cortical Bone Formation by Secretion and Activation of TGFâ€Î²1. Advanced Science, 2022, 9, e2103343.	11.2	24
2	Divalent metal cations stimulate skeleton interoception for new bone formation in mouse injury models. Nature Communications, 2022, 13, 535.	12.8	33
3	Statin use and MRI subchondral bone marrow lesion worsening in generalized osteoarthritis: longitudinal analysis from Osteoarthritis Initiative data. European Radiology, 2022, 32, 3944-3953.	4.5	6
4	Dendritic cell immunoreceptor drives atopic dermatitis by modulating oxidized CaMKII-involved mast cell activation. JCI Insight, 2022, , .	5.0	11
5	Inhibition of Integrin Î±vÎ²6 Activation of TGFâ€Î² Attenuates Tendinopathy. Advanced Science, 2022, 9, e2104469.	11.2	8
6	Sialylation of TLR2 initiates osteoclast fusion. Bone Research, 2022, 10, 24.	11.4	12
7	Conventional MRI-derived subchondral trabecular biomarkers and their association with knee cartilage volume loss as early as 1Âyear: a longitudinal analysis from Osteoarthritis Initiative. Skeletal Radiology, 2022, 51, 1959-1966.	2.0	2
8	CaMKII oxidation regulates cockroach allergenâ€“induced mitophagy in asthma. Journal of Allergy and Clinical Immunology, 2021, 147, 1464-1477.e11.	2.9	38
9	Osteoclasts protect bone blood vessels against senescence through the angiogenin/plexin-B2 axis. Nature Communications, 2021, 12, 1832.	12.8	50
10	Parathyroid hormone attenuates osteoarthritis pain by remodeling subchondral bone in mice. ELife, 2021, 10, .	6.0	34
11	Mechanical stress determines the configuration of TGFÎ² activation in articular cartilage. Nature Communications, 2021, 12, 1706.	12.8	81
12	Chondrogenesis mediates progression of ankylosing spondylitis through heterotopic ossification. Bone Research, 2021, 9, 19.	11.4	32
13	Metabolic Syndrome and Osteoarthritis Distribution in the Hand Joints: A Propensity Score Matching Analysis From the Osteoarthritis Initiative. Journal of Rheumatology, 2021, 48, 1608-1615.	2.0	8
14	Type II alveolar epithelial cellâ€“specific loss of RhoA exacerbates allergic airway inflammation through SLC26A4. JCI Insight, 2021, 6, .	5.0	6
15	PGE2/EP4 skeleton interoception activity reduces vertebral endplate porosity and spinal pain with low-dose celecoxib. Bone Research, 2021, 9, 36.	11.4	17
16	Skeleton-secreted PDGF-BB mediates arterial stiffening. Journal of Clinical Investigation, 2021, 131, .	8.2	22
17	Skeleton interoception regulates bone and fat metabolism through hypothalamic neuroendocrine NPY. ELife, 2021, 10, .	6.0	16
18	Cellular senescence in musculoskeletal homeostasis, diseases, and regeneration. Bone Research, 2021, 9, 41.	11.4	58

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19	Boneâ€derived sclerostin and Wnt/Î²â€catenin signaling regulate PDGFRÎ± ⁺ adipoprogenitor cell differentiation. FASEB Journal, 2021, 35, e21957.	0.5	17
20	Quantitative 3D imaging of the cranial microvascular environment at single-cell resolution. Nature Communications, 2021, 12, 6219.	12.8	37
21	Angiogenesis stimulated by elevated PDGF-BB in subchondral bone contributes to osteoarthritis development. JCI Insight, 2020, 5, .	5.0	99
22	Sensory nerves regulate mesenchymal stromal cell lineage commitment by tuning sympathetic tones. Journal of Clinical Investigation, 2020, 130, 3483-3498.	8.2	65
23	Aberrant subchondral osteoblastic metabolism modifies NaV1.8 for osteoarthritis. ELife, 2020, 9, .	6.0	34
24	LRPs in Bone Homeostasis and Disease. , 2020, , 461-469.		0
25	Inhibition of cyclooxygenase-2 activity in subchondral bone modifies a subtype of osteoarthritis. Bone Research, 2019, 7, 29.	11.4	37
26	Subchondral bone osteoclasts induce sensory innervation and osteoarthritis pain. Journal of Clinical Investigation, 2019, 129, 1076-1093.	8.2	239
27	A tale of the good and bad: Cell senescence in bone homeostasis and disease. International Review of Cell and Molecular Biology, 2019, 346, 97-128.	3.2	26
28	Sensory innervation in porous endplates by Netrin-1 from osteoclasts mediates PGE2-induced spinal hypersensitivity in mice. Nature Communications, 2019, 10, 5643.	12.8	72
29	Prostaglandin E2 mediates sensory nerve regulation of bone homeostasis. Nature Communications, 2019, 10, 181.	12.8	152
30	Ras homolog family member A/Rho-associated protein kinase 1 signaling modulates lineage commitment of mesenchymal stem cells in asthmatic patients through lymphoid enhancerâ€“binding factor 1. Journal of Allergy and Clinical Immunology, 2019, 143, 1560-1574.e6.	2.9	32
31	miR-511-3p protects against cockroach allergenâ€“induced lung inflammation by antagonizing CCL2. JCI Insight, 2019, 4, .	5.0	26
32	Macrophage-lineage TRAP+ cells recruit periosteum-derived cells for periosteal osteogenesis and regeneration. Journal of Clinical Investigation, 2019, 129, 2578-2594.	8.2	102
33	Inhibition of overactive TGF-Î² attenuates progression of heterotopic ossification in mice. Nature Communications, 2018, 9, 551.	12.8	125
34	Mannose receptor modulates macrophage polarization and allergic inflammation through miR-511-3p. Journal of Allergy and Clinical Immunology, 2018, 141, 350-364.e8.	2.9	91
35	Ciliary parathyroid hormone signaling activates transforming growth factor-Î² to maintain intervertebral disc homeostasis during aging. Bone Research, 2018, 6, 21.	11.4	59
36	Oxidized phospholipids are ligands for LRP6. Bone Research, 2018, 6, 22.	11.4	27

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37	Aberrant TGF-Î² activation in bone tendon insertion induces enthesopathy-like disease. Journal of Clinical Investigation, 2018, 128, 846-860.	8.2	36
38	Mechanosignaling activation of TGFÎ² maintains intervertebral disc homeostasis. Bone Research, 2017, 5, 17008.	11.4	83
39	Programmed cell senescence in skeleton during late puberty. Nature Communications, 2017, 8, 1312.	12.8	70
40	MiR-497â^¼195 cluster regulates angiogenesis during coupling with osteogenesis by maintaining endothelial Notch and HIF-1Î± activity. Nature Communications, 2017, 8, 16003.	12.8	157
41	Aberrant Transforming Growth Factor-Î² Activation Recruits Mesenchymal Stem Cells During Prostatic Hyperplasia. Stem Cells Translational Medicine, 2017, 6, 394-404.	3.3	27
42	Membrane type 1-matrix metalloproteinase induces epithelial-to-mesenchymal transition in esophageal squamous cell carcinoma: Observations from clinical and in vitro analyses. Scientific Reports, 2016, 6, 22179.	3.3	45
43	Excessive Activation of TGFÎ² by Spinal Instability Causes Vertebral Endplate Sclerosis. Scientific Reports, 2016, 6, 27093.	3.3	59
44	RhoA determines lineage fate of mesenchymal stem cells by modulating CTGFâ€“VEGF complex in extracellular matrix. Nature Communications, 2016, 7, 11455.	12.8	61
45	Systemic neutralization of TGFâ€Î² attenuates osteoarthritis. Annals of the New York Academy of Sciences, 2016, 1376, 53-64.	3.8	62
46	Halofuginone attenuates osteoarthritis by inhibition of TGF-Î² activity and H-type vessel formation in subchondral bone. Annals of the Rheumatic Diseases, 2016, 75, 1714-1721.	0.9	182
47	Lipoprotein receptorâ€“related protein 6 is required for parathyroid hormoneâ€“induced Sost suppression. Annals of the New York Academy of Sciences, 2016, 1364, 62-73.	3.8	33
48	Aryl Hydrocarbon Receptor Protects Lungs from Cockroach Allergenâ€“Induced Inflammation by Modulating Mesenchymal Stem Cells. Journal of Immunology, 2015, 195, 5539-5550.	0.8	52
49	Functional Effects of TGF-Î²1 on Mesenchymal Stem Cell Mobilization in Cockroach Allergenâ€“Induced Asthma. Journal of Immunology, 2014, 192, 4560-4570.	0.8	61
50	PDGF-BB secreted by preosteoclasts induces angiogenesis during coupling with osteogenesis. Nature Medicine, 2014, 20, 1270-1278.	30.7	641
51	Mesenchymal Stem Cells Recruited by Active TGFÎ² Contribute to Osteogenic Vascular Calcification. Stem Cells and Development, 2014, 23, 1392-1404.	2.1	38
52	LRP6 in mesenchymal stem cells is required for bone formation during bone growth and bone remodeling. Bone Research, 2014, 2, 14006.	11.4	23
53	Inhibition of TGF-Î² signaling in mesenchymal stem cells of subchondral bone attenuates osteoarthritis. Nature Medicine, 2013, 19, 704-712.	30.7	780
54	Disruption of LRP6 in osteoblasts blunts the bone anabolic activity of PTH. Journal of Bone and Mineral Research, 2013, 28, 2094-2108.	2.8	66

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55	Injuryâ€Activated Transforming Growth Factor Î² Controls Mobilization of Mesenchymal Stem Cells for Tissue Remodeling. Stem Cells, 2012, 30, 2498-2511.	3.2	129
56	Parathyroid hormone induces differentiation of mesenchymal stromal/stem cells by enhancing bone morphogenetic protein signaling. Journal of Bone and Mineral Research, 2012, 27, 2001-2014.	2.8	136
57	Matrix IGF-1 maintains bone mass by activation of mTOR in mesenchymal stem cells. Nature Medicine, 2012, 18, 1095-1101.	30.7	498
58	Antagonists of LRP6 regulate PTHâ€induced cAMP generation. Annals of the New York Academy of Sciences, 2011, 1237, 39-46.	3.8	14
59	LRP6 Mediates cAMP Generation by G Proteinâ€“Coupled Receptors Through Regulating the Membrane Targeting of Gα _s. Science Signaling, 2011, 4, ra15.	3.6	54
60	TGF-β type II receptor phosphorylates PTH receptor to integrate bone remodelling signalling. Nature Cell Biology, 2010, 12, 224-234.	10.3	136
61	Inhibition of Sca-1-Positive Skeletal Stem Cell Recruitment by Alendronate Blunts the Anabolic Effects of Parathyroid Hormone on Bone Remodeling. Cell Stem Cell, 2010, 7, 571-580.	11.1	122
62	TGF-β1â€“induced migration of bone mesenchymal stem cells couples bone resorption with formation. Nature Medicine, 2009, 15, 757-765.	30.7	1,001
63	Sustained BMP Signaling in Osteoblasts Stimulates Bone Formation by Promoting Angiogenesis and Osteoblast Differentiation. Journal of Bone and Mineral Research, 2009, 24, 1224-1233.	2.8	74
64	Parathyroid hormone signaling through low-density lipoprotein-related protein 6. Genes and Development, 2008, 22, 2968-2979.	5.9	208
65	BMP signaling in skeletal development. Biochemical and Biophysical Research Communications, 2005, 328, 651-657.	2.1	344
66	SCFβ-TrCP1 Controls Smad4 Protein Stability in Pancreatic Cancer Cells. American Journal of Pathology, 2005, 166, 1379-1392.	3.8	52
67	Smad4 Protein Stability Is Regulated by Ubiquitin Ligase SCFβ-TrCP1. Journal of Biological Chemistry, 2004, 279, 14484-14487.	3.4	93
68	Jab1 antagonizes TGFâ€β signaling by inducing Smad4 degradation. EMBO Reports, 2002, 3, 171-176.	4.5	155