Gehua Zhen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1270001/publications.pdf

Version: 2024-02-01

40	4,711	172457	276875
papers	citations	29 h-index	41 g-index

45	45	45	6494
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sialylation of TLR2 initiates osteoclast fusion. Bone Research, 2022, 10, 24.	11.4	12
2	Mechanisms of bone pain: Progress in research from bench to bedside. Bone Research, 2022, 10, .	11.4	15
3	Parathyroid hormone attenuates osteoarthritis pain by remodeling subchondral bone in mice. ELife, 2021, 10, .	6.0	34
4	Mechanical stress determines the configuration of TGFÎ² activation in articular cartilage. Nature Communications, 2021, 12, 1706.	12.8	81
5	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
6	An antibody against Siglec-15 promotes bone formation and fracture healing by increasing TRAP+ mononuclear cells and PDGF-BB secretion. Bone Research, 2021, 9, 47.	11.4	20
7	Glucocorticoids Disrupt Skeletal Angiogenesis Through Transrepression of NFâ€ÎºBâ€“Mediated Preosteoclast Pdgfb Transcription in Young Mice. Journal of Bone and Mineral Research, 2020, 35, 1188-1202.	2.8	20
8	Angiogenesis stimulated by elevated PDGF-BB in subchondral bone contributes to osteoarthritis development. JCI Insight, 2020, 5, .	5.0	99
9	Sensory nerves regulate mesenchymal stromal cell lineage commitment by tuning sympathetic tones. Journal of Clinical Investigation, 2020, 130, 3483-3498.	8.2	65
10	Aberrant subchondral osteoblastic metabolism modifies NaV1.8 for osteoarthritis. ELife, 2020, 9, .	6.0	34
11	Inhibition of cyclooxygenase-2 activity in subchondral bone modifies a subtype of osteoarthritis. Bone Research, 2019, 7, 29.	11.4	37
12	Subchondral bone osteoclasts induce sensory innervation and osteoarthritis pain. Journal of Clinical Investigation, 2019, 129, 1076-1093.	8.2	239
13	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
14	Prostaglandin E2 mediates sensory nerve regulation of bone homeostasis. Nature Communications, 2019, 10, 181.	12.8	152
15	Longâ€term feasibility and biocompatibility of directly microsurgically implanted intrafascicular electrodes in free roaming rabbits. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 435-444.	3.4	6
16	Mechanically induced Ca2+ oscillations in osteocytes release extracellular vesicles and enhance bone formation. Bone Research, 2018, 6, 6.	11.4	122
17	Transforming growth factor-Î² in stem cells and tissue homeostasis. Bone Research, 2018, 6, 2.	11.4	262
18	Inhibition of overactive TGF-Î² attenuates progression of heterotopic ossification in mice. Nature Communications, 2018, 9, 551.	12.8	125

#	Article	IF	Citations
19	Optimal electrical stimulation boosts stem cell therapy in nerve regeneration. Biomaterials, 2018, 181, 347-359.	11.4	107
20	Boneâ€targeted delivery of TGFâ€Î² type 1 receptor inhibitor rescues uncoupled bone remodeling in Camuratiâ€“Engelmann disease. Annals of the New York Academy of Sciences, 2018, 1433, 29-40.	3.8	16
21	Aberrant TGF-Î² activation in bone tendon insertion induces enthesopathy-like disease. Journal of Clinical Investigation, 2018, 128, 846-860.	8.2	36
22	RhoA determines lineage fate of mesenchymal stem cells by modulating CTGFâ€“VEGF complex in extracellular matrix. Nature Communications, 2016, 7, 11455.	12.8	61
23	Systemic neutralization of TGFâ€Î² attenuates osteoarthritis. Annals of the New York Academy of Sciences, 2016, 1376, 53-64.	3.8	62
24	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
25	Aberrant Activation of TGF-Î² in Subchondral Bone at the Onset of Rheumatoid Arthritis Joint Destruction. Journal of Bone and Mineral Research, 2015, 30, 2033-2043.	2.8	34
26	3D Printed Anatomical Nerve Regeneration Pathways. Advanced Functional Materials, 2015, 25, 6205-6217.	14.9	228
27	Excess TGF-Î² mediates muscle weakness associated with bone metastases in mice. Nature Medicine, 2015, 21, 1262-1271.	30.7	300
28	Role of TGF-Î² in a Mouse Model of High Turnover Renal Osteodystrophy. Journal of Bone and Mineral Research, 2014, 29, 1141-1157.	2.8	29
29	Targeting TGFÎ² signaling in subchondral bone and articular cartilage homeostasis. Trends in Pharmacological Sciences, 2014, 35, 227-236.	8.7	168
30	PDGF-BB secreted by preosteoclasts induces angiogenesis during coupling with osteogenesis. Nature Medicine, 2014, 20, 1270-1278.	30.7	641
31	Inhibition of TGF-Î² signaling in mesenchymal stem cells of subchondral bone attenuates osteoarthritis. Nature Medicine, 2013, 19, 704-712.	30.7	780
32	Epidermal Stem Cells in Orthopaedic Regenerative Medicine. International Journal of Molecular Sciences, 2013, 14, 11626-11642.	4.1	2
33	Acute bioenergetic intervention or pharmacological preconditioning protects neuron against ischemic injury. Journal of Experimental Stroke & Translational Medicine, 2013, 6, 7-17.	0.2	3
34	PGE2 EP1 receptor exacerbated neurotoxicity in a mouse model of cerebral ischemia and Alzheimer's disease. Neurobiology of Aging, 2012, 33, 2215-2219.	3.1	48
35	Hemeâ€“Hemopexin Complex Attenuates Neuronal Cell Death and Stroke Damage. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 953-964.	4.3	81
36	RODENT STROKE MODEL GUIDELINES FOR PRECLINICAL STROKE TRIALS (1ST EDITION). Journal of Experimental Stroke & Translational Medicine, 2009, 2, 2-27.	0.2	134

#	Article	IF	Citations
37	Improving neurological outcomes post-cardiac arrest in a rat model: Immediate hypothermia and quantitative EEG monitoring. Resuscitation, 2008, 76, 431-442.	3.0	161
38	Early electrophysiologic markers predict functional outcome associated with temperature manipulation after cardiac arrest in rats. Critical Care Medicine, 2008, 36, 1909-1916.	0.9	91
39	Optimized protocol to reduce variable outcomes for the bilateral common carotid artery occlusion model in mice. Journal of Neuroscience Methods, 2007, 166, 73-80.	2.5	46
40	Quantitative EEG and neurological recovery with therapeutic hypothermia after asphyxial cardiac arrest in rats. Brain Research, 2006, 1111, 166-175.	2.2	97