Kin-Hing Lau

List of Publications by Year
in descending order

31 papers	772 citations	623188 14 h-index	525886 27 g-index
31 all docs	31 docs citations	31 times ranked	1273 citing authors

#	Article	IF	Citations
1	Up-regulation of the Wnt, Estrogen Receptor, Insulin-like Growth Factor-I, and Bone Morphogenetic Protein Pathways in C57BL/6J Osteoblasts as Opposed to C3H/HeJ Osteoblasts in Part Contributes to the Differential Anabolic Response to Fluid Shear. Journal of Biological Chemistry, 2006, 281, 9576-9588.	1.6	146
2	Effect of aging on stem cells. World Journal of Experimental Medicine, 2017, 7, 1.	0.9	125
3	1,25-Dihydroxyvitamin D suppresses M1 macrophages and promotes M2 differentiation at bone injury sites. JCI Insight, 2018, 3, .	2.3	54
4	Retroviralâ€based gene therapy with cyclooxygenaseâ€2 promotes the union of bony callus tissues and accelerates fracture healing in the rat. Journal of Gene Medicine, 2008, 10, 229-241.	1.4	53
5	PDGFB-based stem cell gene therapy increases bone strength in the mouse. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3893-900.	3.3	53
6	Fracture Healing in Mice Deficient in Plasminogen Activator Inhibitor-1. Calcified Tissue International, 2008, 83, 276-284.	1.5	40
7	Micro RNA 223 promotes pathogenic Tâ€cell development and autoimmune inflammation in central nervous system in mice. Immunology, 2016, 148, 326-338.	2.0	34
8	EphA4 Receptor Is a Novel Negative Regulator of Osteoclast Activity. Journal of Bone and Mineral Research, 2014, 29, 804-819.	3.1	31
9	Cellular and molecular mechanisms of accelerated fracture healing by COX2 gene therapy. Bone, 2013, 53, 369-381.	1.4	29
10	Targeted 25-hydroxyvitamin D3 1Î±-hydroxylase Adoptive Gene Therapy Ameliorates DSS-induced Colitis Without Causing Hypercalcemia in Mice. Molecular Therapy, 2015, 23, 339-351.	3.7	25
11	Sca-1+ Hematopoietic Cellâ€"based Gene Therapy with a Modified FGF-2 Increased Endosteal/Trabecular Bone Formation in Mice. Molecular Therapy, 2007, 15, 1881-1889.	3.7	18
12	In Vivo Generation of Gut-Homing Regulatory T Cells for the Suppression of Colitis. Journal of Immunology, 2019, 202, 3447-3457.	0.4	16
13	An osteoclastic protein-tyrosine phosphatase regulates the Î²₃-integrin, syk, and shp1 signaling through respective src-dependent phosphorylation in osteoclasts. American Journal of Physiology - Cell Physiology, 2012, 302, C1676-C1686.	2.1	15
14	Cyclooxygenase 2 augments osteoblastic but suppresses chondrocytic differentiation of CD90 ⁺ skeletal stem cells in fracture sites. Science Advances, 2019, 5, eaaw2108.	4.7	15
15	Role of protein-tyrosine phosphatases in regulation of osteoclastic activity. Cellular and Molecular Life Sciences, 2009, 66, 1946-1961.	2.4	14
16	Mechanistic study of the cause of decreased blood 1,25-Dihydroxyvitamin D in sepsis. BMC Infectious Diseases, 2019, 19, 1020.	1.3	14
17	Osteocyte-Derived Insulin-Like Growth Factor I Is Not Essential for the Bone Repletion Response in Mice. PLoS ONE, 2015, 10, e0115897.	1.1	12
18	Dendritic cells, engineered to overexpress 25â€hydroxyvitamin D 1Î±â€hydroxylase and pulsed with a myelin antigen, provide myelinâ€specific suppression of ongoing experimental allergic encephalomyelitis. FASEB Journal, 2017, 31, 2996-3006.	0.2	10

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19	Lentiviralâ€based BMP4 in vivo gene transfer strategy increases pullâ€out tensile strength without an improvement in the osteointegration of the tendon graft in a rat model of biceps tenodesis. Journal of Gene Medicine, 2011, 13, 511-521.	1.4	9
20	An Osteoclastic Transmembrane Protein-Tyrosine Phosphatase Enhances Osteoclast Activity in Part by Dephosphorylating EphA4 in Osteoclasts. Journal of Cellular Biochemistry, 2015, 116, 1785-1796.	1.2	8
21	Bidirectional ephrin signaling in bone. Osteoporosis and Sarcopenia, 2016, 2, 65-76.	0.7	8
22	A Mouse Noninvasive Intraarticular Tibial Plateau Compression Loading-Induced Injury Model of Posttraumatic Osteoarthritis. Calcified Tissue International, 2020, 106, 158-171.	1.5	8
23	Direct Lentiviral-Cyclooxygenase 2 Application to the Tendon-Bone Interface Promotes Osteointegration and Enhances Return of the Pull-Out Tensile Strength of the Tendon Graft in a Rat Model of Biceps Tenodesis. PLoS ONE, 2014, 9, e98004.	1.1	7
24	Conditional Disruption of miR17â^¼92 in Osteoclasts Led to Activation of Osteoclasts and Loss of Trabecular Bone in Part Through Suppression of the miR17â€Mediated Downregulation of Proteinâ€Tyrosine Phosphataseâ€oc in Mice. JBMR Plus, 2017, 1, 73-85.	1.3	6
25	Deficient arginase <scp>II</scp> expression without alteration in arginase I expression attenuated experimental autoimmune encephalomyelitis in mice. Immunology, 2018, 155, 85-98.	2.0	6
26	A novel miR17 /protein tyrosine phosphatase-oc/EphA4 regulatory axis of osteoclast activity. Archives of Biochemistry and Biophysics, 2018, 650, 30-38.	1.4	5
27	Marrow Stromal Cell-Based Cyclooxygenase 2 Ex Vivo Gene-Transfer Strategy Surprisingly Lacks Bone-Regeneration Effects and Suppresses the Bone-Regeneration Action of Bone Morphogenetic Protein 4 in a Mouse Critical-Sized Calvarial Defect Model. Calcified Tissue International, 2009, 85, 356-367.	1.5	3
28	The EphA4 Signaling is Anti-catabolic in Synoviocytes but Pro-anabolic in Articular Chondrocytes. Calcified Tissue International, 2020, 107, 576-592.	1.5	3
29	Unique Regenerative Mechanism to Replace Bone Lost During Dietary Bone Depletion in Weanling Mice. Endocrinology, 2017, 158, 714-729.	1.4	2
30	Unique anabolic action of stem cell gene therapy overexpressing PDGFB-DSS6 fusion protein in OVX osteoporosis mouse model. Bone Reports, 2020, 12, 100236.	0.2	2
31	A Novel EphA4 Signaling-Based Therapeutic Strategy for Osteoarthritis in Mice. Journal of Bone and Mineral Research, 2020, 37, 660-674.	3.1	1