

Lee B Meakin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3430561/lee-b-meakin-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

987
citations

16
h-index

31
g-index

43
ext. papers

1,201
ext. citations

3.4
avg, IF

4.09
L-index

#	Paper	IF	Citations
42	Bones' adaptive response to mechanical loading is essentially linear between the low strains associated with disuse and the high strains associated with the lamellar/woven bone transition. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 1784-93	6.3	142
41	Estrogen receptor β mediates proliferation of osteoblastic cells stimulated by estrogen and mechanical strain, but their acute down-regulation of the Wnt antagonist Sost is mediated by estrogen receptor α <i>Journal of Biological Chemistry</i> , 2013 , 288, 9035-48	5.4	80
40	The Contribution of Experimental in vivo Models to Understanding the Mechanisms of Adaptation to Mechanical Loading in Bone. <i>Frontiers in Endocrinology</i> , 2014 , 5, 154	5.7	76
39	Sost down-regulation by mechanical strain in human osteoblastic cells involves PGE2 signaling via EP4. <i>FEBS Letters</i> , 2011 , 585, 2450-4	3.8	70
38	Age-related impairment of bones' adaptive response to loading in mice is associated with sex-related deficiencies in osteoblasts but no change in osteocytes. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 1859-71	6.3	69
37	Estrogen receptor- β s required for the osteogenic response to mechanical loading in a ligand-independent manner involving its activation function 1 but not 2. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 291-301	6.3	68
36	Role of endocrine and paracrine factors in the adaptation of bone to mechanical loading. <i>Current Osteoporosis Reports</i> , 2011 , 9, 76-82	5.4	60
35	Male mice housed in groups engage in frequent fighting and show a lower response to additional bone loading than females or individually housed males that do not fight. <i>Bone</i> , 2013 , 54, 113-7	4.7	51
34	Estrogen receptors α and β have different gender-dependent effects on the adaptive responses to load bearing in cancellous and cortical bone. <i>Endocrinology</i> , 2012 , 153, 2254-66	4.8	49
33	Spinal deformity in aged zebrafish is accompanied by degenerative changes to their vertebrae that resemble osteoarthritis. <i>PLoS ONE</i> , 2013 , 8, e75787	3.7	45
32	Risedronate does not reduce mechanical loading-related increases in cortical and trabecular bone mass in mice. <i>Bone</i> , 2011 , 49, 133-9	4.7	32
31	Old age and the associated impairment of bones' adaptation to loading are associated with transcriptomic changes in cellular metabolism, cell-matrix interactions and the cell cycle. <i>Gene</i> , 2017 , 599, 36-52	3.8	27
30	Wnt16 Is Associated with Age-Related Bone Loss and Estrogen Withdrawal in Murine Bone. <i>PLoS ONE</i> , 2015 , 10, e0140260	3.7	24
29	Murine Axial Compression Tibial Loading Model to Study Bone Mechanobiology: Implementing the Model and Reporting Results. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 233-252	3.8	24
28	Quantification of Alterations in Cortical Bone Geometry Using Site Specificity Software in Mouse models of Aging and the Responses to Ovariectomy and Altered Loading. <i>Frontiers in Endocrinology</i> , 2015 , 6, 52	5.7	21
27	Protein kinase C δ (PKC δ) regulates bone architecture and osteoblast activity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25509-22	5.4	20
26	Planar cell polarity aligns osteoblast division in response to substrate strain. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 423-35	6.3	16

25	Parathyroid hormone α enhancement of bone α osteogenic response to loading is affected by ageing in a dose- and time-dependent manner. <i>Bone</i> , 2017 , 98, 59-67	4.7	14
24	Disuse rescues the age-impaired adaptive response to external loading in mice. <i>Osteoporosis International</i> , 2015 , 26, 2703-8	5.3	14
23	Colored Indicator Undergloves Increase the Detection of Glove Perforations by Surgeons During Small Animal Orthopedic Surgery: A Randomized Controlled Trial. <i>Veterinary Surgery</i> , 2016 , 45, 709-14	1.7	14
22	Exercise does not enhance aged bone α impaired response to artificial loading in C57Bl/6 mice. <i>Bone</i> , 2015 , 81, 47-52	4.7	13
21	The cyclooxygenase-2 selective inhibitor NS-398 does not influence trabecular or cortical bone gain resulting from repeated mechanical loading in female mice. <i>Osteoporosis International</i> , 2013 , 24, 383-8	5.3	10
20	Deletion of P58(IPK), the Cellular Inhibitor of the Protein Kinases PKR and PERK, Causes Bone Changes and Joint Degeneration in Mice. <i>Frontiers in Endocrinology</i> , 2014 , 5, 174	5.7	10
19	Mechanical strain-mediated reduction in RANKL expression is associated with RUNX2 and BRD2. <i>Gene: X</i> , 2020 , 5, 100027	2.1	8
18	Prevalence, outcome and risk factors for postoperative pyothorax in 232 dogs undergoing thoracic surgery. <i>Journal of Small Animal Practice</i> , 2013 , 54, 313-7	1.6	8
17	Outcomes of dogs treated for extrahepatic congenital portosystemic shunts with thin film banding or ameroid ring constrictor. <i>Veterinary Surgery</i> , 2020 , 49, 160-171	1.7	6
16	Bone gain following loading is site-specifically enhanced by prior and concurrent disuse in aged male mice. <i>Bone</i> , 2020 , 133, 115255	4.7	4
15	Electrosurgery reduces blood loss and immediate postoperative inflammation compared to cold instruments for midline celiotomy in dogs: A randomized controlled trial. <i>Veterinary Surgery</i> , 2017 , 46, 515-519	1.7	3
14	Mechanical properties of 6 finger-trap suture techniques. <i>Veterinary Surgery</i> , 2017 , 46, 765-772	1.7	2
13	Computed tomographic staging of dogs with anal sac adenocarcinoma. <i>Journal of Small Animal Practice</i> , 2021 , 63, 27	1.6	1
12	Outcome following surgery to treat septic peritonitis in 95 cats in the United Kingdom. <i>Journal of Small Animal Practice</i> , 2021 , 62, 744-749	1.6	1
11	Cortical Thickness Adaptive Response to Mechanical Loading Depends on Periosteal Position and Varies Linearly With Loading Magnitude. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 671606	5.8	1
10	Influence of muscle-sparing lateral thoracotomy on postoperative pain and lameness: A randomized clinical trial. <i>Veterinary Surgery</i> , 2021 , 50, 1227-1236	1.7	1
9	Reliability of CT measurement of induced radioulnar step in dogs using a circle superimposition technique. <i>Journal of Small Animal Practice</i> , 2018 , 59, 92-97	1.6	1
8	Long-term outcome of female dogs treated for intramural ectopic ureters with cystoscopic-guided laser ablation. <i>Veterinary Surgery</i> , 2021 , 50, 1449-1462	1.7	1

7	Clinical use and complications of percutaneous cystostomy pigtail catheters in 25 cats.. <i>Journal of Feline Medicine and Surgery</i> , 2022 , 1098612X221080902	2.3	1
6	Indicator gloves not better than double standard gloves. <i>Veterinary Surgery</i> , 2017 , 46, 187-188	1.7	
5	Penetrating thoracic wound with cardiac trauma. <i>Veterinary Record Case Reports</i> , 2019 , 7, e000955	0.2	
4	Suspected thyroid storm in a cat anaesthetised for bilateral thyroidectomy. <i>Veterinary Record Case Reports</i> , 2020 , 8, e000895	0.2	
3	Intrathoracic gastric torsion following surgical management of a type IV hiatal hernia. <i>Veterinary Record Case Reports</i> , 2020 , 8, e000926	0.2	
2	Modulating Skeletal Responses to Mechanical Loading by Targeting Estrogen Receptor Signaling 2016 , 115-129		
1	Necrotising fasciitis and an associated fatal peri-adrenal abscess. <i>Journal of Small Animal Practice</i> , 2021 , 62, 712	1.6	