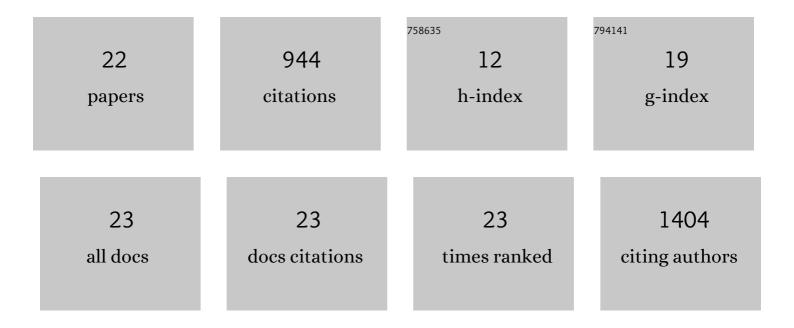
Maureen E Lynch

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6341987/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Mechanical loading prevents bone destruction and exerts anti-tumor effects in the MOPC315.BM.Luc model of myeloma bone disease. Acta Biomaterialia, 2021, 119, 247-258.	4.1	9
2	Multiphysics simulation of a compression–perfusion combined bioreactor to predict the mechanical microenvironment during bone metastatic breast cancer loading experiments. Biotechnology and Bioengineering, 2021, 118, 1779-1792.	1.7	6
3	Flow inside a bone scaffold: Visualization using 3D phase contrast MRI and comparison with numerical simulations. Journal of Biomechanics, 2021, 126, 110625.	0.9	3
4	Microgravity-induced alterations of mouse bones are compartment- and site-specific and vary with age. Bone, 2021, 151, 116021.	1.4	11
5	Application of machine learning classifiers for microcomputed tomography data assessment of mouse bone microarchitecture. MethodsX, 2021, 8, 101497.	0.7	2
6	Mechanobiology of Bone Metastatic Cancer. Current Osteoporosis Reports, 2021, 19, 580-591.	1.5	6
7	The Role of Mechanobiology in Cancer Metastasis. , 2020, , 65-78.		3
8	Bone Mechanics in Cancer. , 2020, , 445-457.		1
9	Perfusion applied to a 3D model of bone metastasis results in uniformly dispersed mechanical stimuli. Biotechnology and Bioengineering, 2018, 115, 1076-1085.	1.7	11
10	Mechanically-Loaded Breast Cancer Cells Modify Osteocyte Mechanosensitivity by Secreting Factors That Increase Osteocyte Dendrite Formation and Downstream Resorption. Frontiers in Endocrinology, 2018, 9, 352.	1.5	22
11	Mechanical Loading Shows Anti-Myeloma Effects While Rescuing Bone Loss with Net Bone Formation in a Myeloma Bone Disease Murine Model. Blood, 2018, 132, 3164-3164.	0.6	0
12	Multiscale characterization of the mineral phase at skeletal sites of breast cancer metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10542-10547.	3.3	55
13	Three-Dimensional Mechanical Loading Modulates the Osteogenic Response of Mesenchymal Stem Cells to Tumor-Derived Soluble Signals. Tissue Engineering - Part A, 2016, 22, 1006-1015.	1.6	32
14	The predictive link between matrix and metastasis. Current Opinion in Chemical Engineering, 2016, 11, 85-93.	3.8	39
15	Load-induced changes in bone stiffness and cancellous and cortical bone mass following tibial compression diminish with age in female mice. Journal of Experimental Biology, 2014, 217, 1775-83.	0.8	37
16	Biomechanical forces in the skeleton and their relevance to bone metastasis: Biology and engineering considerations. Advanced Drug Delivery Reviews, 2014, 79-80, 119-134.	6.6	32
17	Engineered Culture Models for Studies of Tumor-Microenvironment Interactions. Annual Review of Biomedical Engineering, 2013, 15, 29-53.	5.7	122
18	In vivo tibial compression decreases osteolysis and tumor formation in a human metastatic breast cancer model. Journal of Bone and Mineral Research, 2013, 28, 2357-2367.	3.1	88

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#	Article	IF	CITATIONS
19	Tibial compression is anabolic in the adult mouse skeleton despite reduced responsiveness with aging. Bone, 2011, 49, 439-446.	1.4	108
20	Cancellous bone adaptation to tibial compression is not sex dependent in growing mice. Journal of Applied Physiology, 2010, 109, 685-691.	1.2	89
21	In vivo tibial stiffness is maintained by whole bone morphology and cross-sectional geometry in growing female mice. Journal of Biomechanics, 2010, 43, 2689-2694.	0.9	51
22	Mesenchymal stem cells and insulinâ€like growth factorâ€l geneâ€enhanced mesenchymal stem cells improve structural aspects of healing in equine flexor digitorum superficialis tendons. Journal of Orthopaedic Research, 2009, 27, 1392-1398.	1.2	216