Rebecca A Rolfe

List of Publications by Year
in descending order

15 papers	338 citations	1163117 8 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	370 citing authors

#	Article	IF	Citations
1	Identification of mechanosensitive genes during skeletal development: alteration of genes associated with cytoskeletal rearrangement and cell signalling pathways. BMC Genomics, 2014, 15, 48.	2.8	80
2	Hydrostatic pressure acts to stabilise a chondrogenic phenotype in porcine joint tissue derived stem cells. , 2012, 23, 121-134.		68
3	Precise spatial restriction of BMP signaling in developing joints is perturbed upon loss of embryo movement. Development (Cambridge), 2018, 145, .	2.5	31
4	Mechanical Regulation of Skeletal Development. Current Osteoporosis Reports, 2013, 11, 107-116.	3.6	27
5	Abnormal fetal muscle forces result in defects in spinal curvature and alterations in vertebral segmentation and shape. Journal of Orthopaedic Research, 2017, 35, 2135-2144.	2.3	27
6	Effects of Abnormal Muscle Forces on Prenatal Joint Morphogenesis in Mice. Journal of Orthopaedic Research, 2019, 37, 2287-2296.	2.3	21
7	Chondrogenesis of embryonic limb bud cells in micromass culture progresses rapidly to hypertrophy and is modulated by hydrostatic pressure. Cell and Tissue Research, 2017, 368, 47-59.	2.9	18
8	Quantifying the tolerance of chick hip joint development to temporary paralysis and the potential for recovery. Developmental Dynamics, 2021, 250, 450-464.	1.8	13
9	Localization of YAP activity in developing skeletal rudiments is responsive to mechanical stimulation. Developmental Dynamics, 2020, 249, 523-542.	1.8	11
10	Mechanical Stimulation via Muscle Activity Is Necessary for the Maturation of Tendon Multiscale Mechanics During Embryonic Development. Frontiers in Cell and Developmental Biology, 2021, 9, 725563.	3.7	11
11	Investigating the mechanistic basis of biomechanical input controlling skeletal development: exploring the interplay with Wnt signalling at the joint. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170329.	4.0	10
12	Geometric analysis of chondrogenic self-organisation of embryonic limb bud cells in micromass culture. Cell and Tissue Research, 2022, 388, 49-62.	2.9	7
13	Joint development recovery on resumption of embryonic movement following paralysis. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	6
14	Transcriptome analysis of the mouse E14.5 (TS23) developing humerus and differential expression in muscle-less mutant embryos lacking mechanical stimulation. Genomics Data, 2014, 2, 32-36.	1.3	5
15	Techniques for studying mechanobiology. , 2018, , 1-53.		2