Deborah J Mason

List of Publications by Year
in descending order

34	1,364	430442	454577
papers	citations	18 h-index	30 g-index

36	36	36	1693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanically regulated expression of a neural glutamate transporter in bone: A role for excitatory amino acids as osteotropic agents?. Bone, 1997, 20, 199-205.	1.4	204
2	Evaluation of Digital PCR for Absolute RNA Quantification. PLoS ONE, 2013, 8, e75296.	1.1	149
3	Up-Regulation of Matrix Metalloproteinase Expression and Activation Following Cyclical Compressive Loading of Articular Cartilage in Vitro. Archives of Biochemistry and Biophysics, 2001, 396, 49-55.	1.4	139
4	The effect of thymosin Î²4 on articular cartilage chondrocyte matrix metalloproteinase expression. Biochemical Society Transactions, 2002, 30, 879-882.	1.6	90
5	Tumour necrosis factor Î± up-regulates protein kinase R (PKR)-activating protein (PACT) and increases phosphorylation of PKR and eukaryotic initiation factor 2-Î± in articular chondrocytes. Biochemical Society Transactions, 2002, 30, 886-889.	1.6	84
6	Considerations for accurate gene expression measurement by reverse transcription quantitative PCR when analysing clinical samples. Analytical and Bioanalytical Chemistry, 2014, 406, 6471-6483.	1.9	65
7	Constitutive in vivo mRNA expression by osteocytes of Î²-actin, osteocalcin, connexin-43, IGF-I, c-fos and c-jun, but not TNF-Î± nor tartrate-resistant acid phosphatase. Journal of Bone and Mineral Research, 1996, 11, 350-357.	3.1	53
8	A New Method to Investigate How Mechanical Loading of Osteocytes Controls Osteoblasts. Frontiers in Endocrinology, 2014, 5, 208.	1.5	51
9	The open reading frame of the Na+ -dependent glutamate transporter GLAST-1 is expressed in bone and a splice variant of this molecule is expressed in bone and brain. FEBS Letters, 2000, 485, 13-18.	1.3	47
10	Modulation of interleukinâ€6 and matrix metalloproteinase 2 expression in human fibroblastâ€like synoviocytes by functional ionotropic glutamate receptors. Arthritis and Rheumatism, 2007, 56, 2523-2534.	6.7	44
11	AMPA/kainate glutamate receptors contribute to inflammation, degeneration and pain related behaviour in inflammatory stages of arthritis. Annals of the Rheumatic Diseases, 2015, 74, 242-251.	0.5	44
12	Glutamate signalling and its potential application to tissue engineering of bone. , 2004, 7, 12-26.		43
13	Towards prevention of post-traumatic osteoarthritis: report from an international expert working group on considerations for the design and conduct of interventional studies following acute knee injury. Osteoarthritis and Cartilage, 2019, 27, 23-33.	0.6	39
14	Type IX Collagen Interacts with Fibronectin Providing an Important Molecular Bridge in Articular Cartilage. Journal of Biological Chemistry, 2011, 286, 34986-34997.	1.6	35
15	Does protein kinase R mediate TNF-alpha- and ceramide-induced increases in expression and activation of matrix metalloproteinases in articular cartilage by a novel mechanism?. Arthritis Research, 2004, 6, R46.	2.0	33
16	The glutamate transporter GLAST-I (EAAT-I) is expressed in the plasma membrane of osteocytes and is responsive to extracellular glutamate concentration. Biochemical Society Transactions, 2002, 30, 890-893.	1.6	32
17	Inflammatory and degenerative phases resulting from anterior cruciate rupture in a nonâ€invasive murine model of postâ€traumatic osteoarthritis. Journal of Orthopaedic Research, 2018, 36, 2118-2127.	1.2	32
18	Glutamate signaling in bone. Frontiers in Endocrinology, 2012, 3, 97.	1.5	30

#	Article	IF	Citations
19	Improving the standardization of mRNA measurement by RT-qPCR. Biomolecular Detection and Quantification, 2018, 15, 13-17.	7.0	18
20	Exogenous sphingomyelinase increases collagen and sulphated glycosaminoglycan production by primary articular chondrocytes: an in vitro study. Arthritis Research and Therapy, 2006, 8, R89.	1.6	17
21	Deletion of P58IPK, the Cellular Inhibitor of the Protein Kinases PKR and PERK, Causes Bone Changes and Joint Degeneration in Mice. Frontiers in Endocrinology, 2014, 5, 174.	1.5	17
22	Protein kinase R plays a pivotal role in oncostatin M and interleukin-1 signalling in bovine articular cartilage chondrocytes. , 2012, 23, 41-57.		17
23	An unusual mitochondrial DNA polymorphism in the Chorthippus biguttulus species group (Orthoptera: Acrididae). Molecular Ecology, 1995, 4, 121-126.	2.0	15
24	Recommendations for the conduct of efficacy trials of treatment devices for osteoarthritis: a report from a working group of the Arthritis Research UK Osteoarthritis and Crystal Diseases Clinical Studies Group: Box 1. Rheumatology, 2016, 55, 320-326.	0.9	15
25	Prevention of posttraumatic osteoarthritis at the time of injury: Where are we now, and where are we going?. Journal of Orthopaedic Research, 2021, 39, 1152-1163.	1.2	14
26	Sphingomyelinase decreases type II collagen expression in bovine articular cartilage chondrocytes via the ERK signaling pathway. Arthritis and Rheumatism, 2008, 58, 209-220.	6.7	12
27	Absence of Evidence Is Not Evidence of Absence; The Shortcomings of the GLAST Knockout Mouse. Journal of Bone and Mineral Research, 2001, 16, 1729-1730.	3.1	6
28	Osteoclastogenesis-Related Cytokines and Peri-Prosthetic Osteolysis in Revision Metal-On-Metal Total Hip Replacements. HIP International, 2015, 25, 355-360.	0.9	6
29	Phenotype and Viability of MLO-Y4 Cells Is Maintained by TGFÎ²3 in a Serum-Dependent Manner within a 3D-Co-Culture with MG-63 Cells. International Journal of Molecular Sciences, 2018, 19, 1932.	1.8	5
30	AMPA/kainate glutamate receptor antagonists prevent posttraumatic osteoarthritis. JCI Insight, 2020, 5, .	2.3	4
31	Protein Kinase R: A Novel Mediator of Articular Cartilage Degradation in Arthritis. Current Rheumatology Reviews, 2006, 2, 9-21.	0.4	3
32	A 3D culture system to investigate osteocyte control of osteoblasts. Bone, 2008, 42, S26-S27.	1.4	1
33	Biological changes in tibial subchondral bone following high tibial osteotomy. Osteoarthritis and Cartilage, 2016, 24, S511.	0.6	0
34	In vitro 3D osteoblast-osteocyte co-culture mechanical loading model. Bone Abstracts, 0, , .	0.0	0