

Eleanor J Mackie

List of Publications by Year in Descending Order

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

91
papers

6,587
citations

38
h-index

81
g-index

95
ext. papers

7,017
ext. citations

5.3
avg. IF

5.44
L-index

#	Paper	IF	Citations
91	Microstructural properties of the proximal sesamoid bones of Thoroughbred racehorses in training. <i>Equine Veterinary Journal</i> , 2021 , 53, 1169-1177	2.4	2
90	Protease-activated receptor-2 promotes osteogenesis in skeletal mesenchymal stem cells at the expense of adipogenesis: Involvement of interleukin-6. <i>Bone Reports</i> , 2021 , 15, 101113	2.6	1
89	Associations between the radiographic appearance of vascular channels in proximal sesamoid bones, their microstructural characteristics and past racing performance in Thoroughbreds. <i>Equine Veterinary Journal</i> , 2020 , 52, 670-677	2.4	0
88	Normal inflammation and regeneration of muscle following injury require osteopontin from both muscle and non-muscle cells. <i>Skeletal Muscle</i> , 2019 , 9, 6	5.1	10
87	Increased autophagy in EphrinB2-deficient osteocytes is associated with elevated secondary mineralization and brittle bone. <i>Nature Communications</i> , 2019 , 10, 3436	17.4	29
86	Keratinocyte-specific ablation of protease-activated receptor 2 prevents gingival inflammation and bone loss in a mouse model of periodontal disease. <i>Cellular Microbiology</i> , 2018 , 20, e12891	3.9	4
85	Subchondral bone microdamage accumulation in distal metacarpus of Thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2018 , 50, 766-773	2.4	16
84	A T cell-specific knockout reveals an important role for protease-activated receptor 2 in lymphocyte development. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 92, 95-103	5.6	1
83	The vacuolar H ATPase V subunit d is associated with chondrocyte hypertrophy and supports chondrocyte differentiation. <i>Bone Reports</i> , 2017 , 7, 98-107	2.6	5
82	Prevalence of subchondral bone pathological changes in the distal metacarpi/metatarsi of racing Thoroughbred horses. <i>Australian Veterinary Journal</i> , 2017 , 95, 362-369	1.2	9
81	The antiepileptic medications carbamazepine and phenytoin inhibit native sodium currents in murine osteoblasts. <i>Epilepsia</i> , 2016 , 57, 1398-405	6.4	12
80	Chondrocytic ephrin B2 promotes cartilage destruction by osteoclasts in endochondral ossification. <i>Development (Cambridge)</i> , 2016 , 143, 648-57	6.6	19
79	Role of subchondral bone remodelling in collapse of the articular surface of Thoroughbred racehorses with palmar osteochondral disease. <i>Equine Veterinary Journal</i> , 2016 , 48, 228-33	2.4	19
78	Identification of novel osteochondrosis--Associated genes. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 404-11	3.8	14
77	Can high-resolution peripheral quantitative computed tomography imaging of subchondral and cortical bone predict condylar fracture in Thoroughbred racehorses?. <i>Equine Veterinary Journal</i> , 2015 , 47, 428-32	2.4	13
76	Osteopontin, inflammation and myogenesis: influencing regeneration, fibrosis and size of skeletal muscle. <i>Journal of Cell Communication and Signaling</i> , 2014 , 8, 95-103	5.2	58
75	EphrinB2 signaling in osteoblasts promotes bone mineralization by preventing apoptosis. <i>FASEB Journal</i> , 2014 , 28, 4482-96	0.9	55

74	Contractile properties of slow and fast skeletal muscles from protease activated receptor-1 null mice. <i>Muscle and Nerve</i> , 2014 , 50, 991-8	3.4	3
73	Tumour progression and cancer-induced pain: a role for protease-activated receptor-2?. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 57, 149-56	5.6	9
72	Exercise-induced inhibition of remodelling is focally offset with fatigue fracture in racehorses. <i>Osteoporosis International</i> , 2013 , 24, 2043-8	5.3	12
71	Thrombin inhibits osteoclast differentiation through a non-proteolytic mechanism. <i>Journal of Molecular Endocrinology</i> , 2013 , 50, 347-59	4.5	12
70	Hyaluronan synthesis and myogenesis: a requirement for hyaluronan synthesis during myogenic differentiation independent of pericellular matrix formation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13006-21	5.4	20
69	Osteopontin deficiency delays inflammatory infiltration and the onset of muscle regeneration in a mouse model of muscle injury. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 197-205	4.1	41
68	Evaluation of antibodies directed against human protease-activated receptor-2. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012 , 385, 861-73	3.4	19
67	Proteinase-activated receptor-2 is required for normal osteoblast and osteoclast differentiation during skeletal growth and repair. <i>Bone</i> , 2012 , 50, 704-12	4.7	22
66	Transcriptional profiling of chondrodysplasia growth plate cartilage reveals adaptive ER-stress networks that allow survival but disrupt hypertrophy. <i>PLoS ONE</i> , 2011 , 6, e24600	3.7	45
65	The skeleton: a multi-functional complex organ: the growth plate chondrocyte and endochondral ossification. <i>Journal of Endocrinology</i> , 2011 , 211, 109-21	4.7	281
64	Proteinase-activated receptor-2 (PAR2) and mouse osteoblasts: regulation of cell function and lack of specificity of PAR2-activating peptides. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, 328-36	3	14
63	Protease-activated receptor 2 has pivotal roles in cellular mechanisms involved in experimental periodontitis. <i>Infection and Immunity</i> , 2010 , 78, 629-38	3.7	23
62	Comprehensive profiling of cartilage extracellular matrix formation and maturation using sequential extraction and label-free quantitative proteomics. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 1296-313	7.6	58
61	Protease-activated receptor-1 down-regulates the murine inflammatory and humoral response to <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , 2010 , 138, 573-82	13.3	26
60	Periostin expression distinguishes between light and dark hypertrophic chondrocytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 880-9	5.6	12
59	Third metacarpal condylar fatigue fractures in equine athletes occur within previously modelled subchondral bone. <i>Bone</i> , 2010 , 47, 826-31	4.7	61
58	Identification of light and dark hypertrophic chondrocytes in mouse and rat chondrocyte pellet cultures. <i>Tissue and Cell</i> , 2010 , 42, 121-8	2.7	5
57	Intracortical remodelling and porosity in the distal radius and post-mortem femurs of women: a cross-sectional study. <i>Lancet, The</i> , 2010 , 375, 1729-36	4.0	604

56	High molecular weight gingipains from <i>Porphyromonas gingivalis</i> induce cytokine responses from human macrophage-like cells via a nonproteolytic mechanism. <i>Journal of Innate Immunity</i> , 2009 , 1, 109-119	6.9	25
55	Responses in vivo to purified poly(3-hydroxybutyrate-co-3-hydroxyvalerate) implanted in a murine tibial defect model. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 845-54	5.4	23
54	Altered gene expression in early osteochondrosis lesions. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 452-7	3.8	32
53	The gingipains from <i>Porphyromonas gingivalis</i> do not directly induce osteoclast differentiation in primary mouse bone marrow cultures. <i>Journal of Periodontal Research</i> , 2009 , 44, 565-7	4.3	5
52	Thrombin-stimulated growth factor and cytokine expression in osteoblasts is mediated by protease-activated receptor-1 and prostanoids. <i>Bone</i> , 2009 , 44, 813-21	4.7	35
51	Endochondral ossification: how cartilage is converted into bone in the developing skeleton. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 46-62	5.6	614
50	Protease-activated receptors in the musculoskeletal system. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 1169-84	5.6	35
49	Osteopontin and skeletal muscle myoblasts: association with muscle regeneration and regulation of myoblast function in vitro. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2303-14	5.6	83
48	Myoblasts isolated from hypertrophy-responsive callipyge muscles show altered growth rates and increased resistance to serum deprivation-induced apoptosis. <i>Cells Tissues Organs</i> , 2008 , 187, 141-51	2.1	6
47	Modulating chondrocyte hypertrophy in growth plate and osteoarthritic cartilage. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2008 , 8, 308-10	1.3	16
46	Physiological death of hypertrophic chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2007 , 15, 575-86	6.2	56
45	Hypertrophy and physiological death of equine chondrocytes in vitro. <i>Equine Veterinary Journal</i> , 2007 , 39, 546-52	2.4	10
44	Functional responses of bone cells to thrombin. <i>Biological Chemistry</i> , 2006 , 387, 1037-41	4.5	14
43	Studies on the receptors mediating responses of osteoblasts to thrombin. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 206-13	5.6	26
42	The role of protease-activated receptor-1 in bone healing. <i>American Journal of Pathology</i> , 2005 , 166, 857-68	5.8	41
41	Thrombin is a pro-fibrotic factor for rat renal fibroblasts in vitro. <i>Nephron Experimental Nephrology</i> , 2005 , 101, e42-9		12
40	Activation of protease-activated receptor-2 leads to inhibition of osteoclast differentiation. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 507-16	6.3	32
39	Establishment of a model of cortical bone repair in mice. <i>Calcified Tissue International</i> , 2003 , 73, 49-55	3.9	45

38	Osteoblasts: novel roles in orchestration of skeletal architecture. <i>International Journal of Biochemistry and Cell Biology</i> , 2003 , 35, 1301-5	5.6	188
37	Inhibition of osteoblast apoptosis by thrombin. <i>Bone</i> , 2003 , 33, 733-43	4.7	59
36	Protease-activated receptors: a means of converting extracellular proteolysis into intracellular signals. <i>IUBMB Life</i> , 2002 , 53, 277-81	4.7	56
35	Dissection of protease-activated receptor-1-dependent and -independent responses to thrombin in skeletal myoblasts. <i>Experimental Cell Research</i> , 2002 , 274, 149-56	4.2	13
34	Arginine-specific protease from <i>Porphyromonas gingivalis</i> activates protease-activated receptors on human oral epithelial cells and induces interleukin-6 secretion. <i>Infection and Immunity</i> , 2001 , 69, 5121-30	4.3	206
33	Expression of protease-activated receptor-2 during embryonic development. <i>Developmental Dynamics</i> , 2000 , 218, 465-71	2.9	43
32	Expression of protease-activated receptor-2 by osteoblasts. <i>Bone</i> , 2000 , 26, 7-14	4.7	51
31	Tenascin-C induced stimulation of chondrogenesis is dependent on the presence of the C-terminal fibrinogen-like globular domain. <i>FEBS Letters</i> , 2000 , 480, 189-92	3.8	16
30	Evidence for the activation of PAR-2 by the sperm protease, acrosin: expression of the receptor on oocytes. <i>FEBS Letters</i> , 2000 , 484, 285-90	3.8	38
29	Thrombin, a survival factor for cultured myoblasts. <i>Journal of Biological Chemistry</i> , 1999 , 274, 9169-74	5.4	54
28	Cholera toxin and forskolin stimulate formation of osteoclast-like cells in mouse marrow cultures and cultured mouse calvarial bones. <i>European Journal of Oral Sciences</i> , 1999 , 107, 45-54	2.3	12
27	Modulation of osteoblast-like cell behavior by activation of protease-activated receptor-1. <i>Journal of Bone and Mineral Research</i> , 1999 , 14, 1320-9	6.3	39
26	Expression of the thrombin receptor in developing bone and associated tissues. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 818-27	6.3	31
25	The role of tenascin-C and related glycoproteins in early chondrogenesis. <i>Microscopy Research and Technique</i> , 1998 , 43, 102-10	2.8	43
24	Regulation of tenascin-C expression in bone cells by transforming growth factor-beta. <i>Bone</i> , 1998 , 22, 301-7	4.7	32
23	Cleavage and activation of proteinase-activated receptor-2 on human neutrophils by gingipain-R from <i>Porphyromonas gingivalis</i> . <i>FEBS Letters</i> , 1998 , 435, 45-8	3.8	129
22	Molecules in focus: tenascin-C. <i>International Journal of Biochemistry and Cell Biology</i> , 1997 , 29, 1133-7	5.6	82
21	Cartilage canals in equine articular/epiphyseal growth cartilage and a possible association with dyschondroplasia. <i>Equine Veterinary Journal</i> , 1997 , 29, 360-4	2.4	41

20	Expression of tenascin-C in bones responding to mechanical load. <i>Journal of Bone and Mineral Research</i> , 1997 , 12, 52-8	6.3	46
19	Adhesive properties of isolated chick osteocytes in vitro. <i>Bone</i> , 1996 , 18, 305-13	4.7	79
18	Tenascin: an extracellular matrix protein associated with bone growth 1996 , 87-98		
17	The differential effects of stanozolol on human skin and synovial fibroblasts in vitro: DNA synthesis and receptor binding. <i>Agents and Actions</i> , 1994 , 41, 37-43		15
16	Tenascin expression in the mouse: in situ localization and induction in vitro by bFGF. <i>Journal of Cell Science</i> , 1993 , 104, 69-76	5.3	86
15	Tenascin expression in basal cell carcinoma. <i>British Journal of Dermatology</i> , 1992 , 127, 571-4	4	35
14	Tenascin expression in hyperproliferative skin diseases. <i>British Journal of Dermatology</i> , 1991 , 124, 13-20	4	75
13	Expression of tenascin in perifollicular connective tissue: comparison of normal scalp and alopecia areata. <i>Archives of Dermatological Research</i> , 1991 , 283, 86-90	3.3	13
12	Immunohistochemical localization of the matrix glycoproteins--tenascin and the ED-sequence-containing form of cellular fibronectin--in human permanent teeth and periodontal ligament. <i>Journal of Dental Research</i> , 1991 , 70, 19-26	8.1	81
11	Immunohistochemical localization of tenascin and fibronectin in the dentine and gingiva of <i>Canis familiaris</i> . <i>Archives of Oral Biology</i> , 1991 , 36, 165-70	2.8	5
10	Immunohistochemical localization of a tenascin-like extracellular matrix protein in sea urchin embryos. <i>Roux's Archives of Developmental Biology</i> , 1990 , 199, 169-173		6
9	Comparison of the distribution patterns of tenascin and alkaline phosphatase in developing teeth, cartilage, and bone of rats and mice. <i>The Anatomical Record</i> , 1990 , 228, 69-76		38
8	Stimulation of bone formation in vivo by transforming growth factor-beta: remodeling of woven bone and lack of inhibition by indomethacin. <i>Bone</i> , 1990 , 11, 295-300	4.7	104
7	The high-molecular-weight J1 glycoproteins are immunochemically related to tenascin. <i>Differentiation</i> , 1988 , 37, 104-14	3.5	111
6	Immunohistochemical localization of the matrix glycoprotein tenascin in the skull of the growing rat. <i>Archives of Oral Biology</i> , 1988 , 33, 383-90	2.8	39
5	Epithelial induction of stromal tenascin in the mouse mammary gland: from embryogenesis to carcinogenesis. <i>Developmental Biology</i> , 1988 , 128, 245-55	3.1	160
4	Induction of tenascin in healing wounds. <i>Journal of Cell Biology</i> , 1988 , 107, 2757-67	7.3	493
3	Tenascin is associated with chondrogenic and osteogenic differentiation in vivo and promotes chondrogenesis in vitro. <i>Journal of Cell Biology</i> , 1987 , 105, 2569-79	7.3	317

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| 2 | Tenascin is a stromal marker for epithelial malignancy in the mammary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 4621-5 | 11.5 | 219 |
| 1 | Tenascin: an extracellular matrix protein involved in tissue interactions during fetal development and oncogenesis. <i>Cell</i> , 1986 , 47, 131-9 | 56.2 | 885 |