Eleanor J Mackie

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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	Tenascin: an extracellular matrix protein involved in tissue interactions during fetal development and oncogenesis. *Cell*, **1986**, 47, 131-9	56.2	885
90	Endochondral ossification: how cartilage is converted into bone in the developing skeleton. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 46-62	5.6	614
89	Intracortical remodelling and porosity in the distal radius and post-mortem femurs of women: a cross-sectional study. *Lancet, The*, **2010**, 375, 1729-36	40	604
88	Induction of tenascin in healing wounds. *Journal of Cell Biology*, **1988**, 107, 2757-67	7.3	493
87	Tenascin is associated with chondrogenic and osteogenic differentiation in vivo and promotes chondrogenesis in vitro. *Journal of Cell Biology*, **1987**, 105, 2569-79	7.3	317
86	The skeleton: a multi-functional complex organ: the growth plate chondrocyte and endochondral ossification. *Journal of Endocrinology*, **2011**, 211, 109-21	4.7	281
85	Tenascin is a stromal marker for epithelial malignancy in the mammary gland. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 4621-5	11.5	219
84	Arginine-specific protease from Porphyromonas gingivalis activates protease-activated receptors on human oral epithelial cells and induces interleukin-6 secretion. *Infection and Immunity*, **2001**, 69, 5121-30	3.7	206
83	Osteoblasts: novel roles in orchestration of skeletal architecture. *International Journal of Biochemistry and Cell Biology*, **2003**, 35, 1301-5	5.6	188
82	Epithelial induction of stromal tenascin in the mouse mammary gland: from embryogenesis to carcinogenesis. *Developmental Biology*, **1988**, 128, 245-55	3.1	160
81	Cleavage and activation of proteinase-activated receptor-2 on human neutrophils by gingipain-R from Porphyromonas gingivalis. *FEBS Letters*, **1998**, 435, 45-8	3.8	129
80	The high-molecular-weight J1 glycoproteins are immunochemically related to tenascin. *Differentiation*, **1988**, 37, 104-14	3.5	111
79	Stimulation of bone formation in vivo by transforming growth factor-beta: remodeling of woven bone and lack of inhibition by indomethacin. *Bone*, **1990**, 11, 295-300	4.7	104
78	Tenascin expression in the mouse: in situ localization and induction in vitro by bFGF. *Journal of Cell Science*, **1993**, 104, 69-76	5.3	86
77	Osteopontin and skeletal muscle myoblasts: association with muscle regeneration and regulation of myoblast function in vitro. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 2303-14	5.6	83
76	Molecules in focus: tenascin-C. *International Journal of Biochemistry and Cell Biology*, **1997**, 29, 1133-7	5.6	82
75	Immunohistochemical localization of the matrix glycoproteins--tenascin and the ED-sequence-containing form of cellular fibronectin--in human permanent teeth and periodontal ligament. *Journal of Dental Research*, **1991**, 70, 19-26	8.1	81

74	Adhesive properties of isolated chick osteocytes in vitro. *Bone*, **1996**, 18, 305-13	4.7	79
73	Tenascin expression in hyperproliferative skin diseases. *British Journal of Dermatology*, **1991**, 124, 13-20	4	75
72	Third metacarpal condylar fatigue fractures in equine athletes occur within previously modelled subchondral bone. *Bone*, **2010**, 47, 826-31	4.7	61
71	Inhibition of osteoblast apoptosis by thrombin. *Bone*, **2003**, 33, 733-43	4.7	59
70	Osteopontin, inflammation and myogenesis: influencing regeneration, fibrosis and size of skeletal muscle. *Journal of Cell Communication and Signaling*, **2014**, 8, 95-103	5.2	58
69	Comprehensive profiling of cartilage extracellular matrix formation and maturation using sequential extraction and label-free quantitative proteomics. *Molecular and Cellular Proteomics*, **2010**, 9, 1296-313	7.6	58
68	Physiological death of hypertrophic chondrocytes. *Osteoarthritis and Cartilage*, **2007**, 15, 575-86	6.2	56
67	Protease-activated receptors: a means of converting extracellular proteolysis into intracellular signals. *IUBMB Life*, **2002**, 53, 277-81	4.7	56
66	EphrinB2 signaling in osteoblasts promotes bone mineralization by preventing apoptosis. *FASEB Journal*, **2014**, 28, 4482-96	0.9	55
65	Thrombin, a survival factor for cultured myoblasts. *Journal of Biological Chemistry*, **1999**, 274, 9169-74	5.4	54
64	Expression of protease-activated receptor-2 by osteoblasts. *Bone*, **2000**, 26, 7-14	4.7	51
63	Expression of tenascin-C in bones responding to mechanical load. *Journal of Bone and Mineral Research*, **1997**, 12, 52-8	6.3	46
62	Transcriptional profiling of chondrodysplasia growth plate cartilage reveals adaptive ER-stress networks that allow survival but disrupt hypertrophy. *PLoS ONE*, **2011**, 6, e24600	3.7	45
61	Establishment of a model of cortical bone repair in mice. *Calcified Tissue International*, **2003**, 73, 49-55	3.9	45
60	The role of tenascin-C and related glycoproteins in early chondrogenesis. *Microscopy Research and Technique*, **1998**, 43, 102-10	2.8	43
59	Expression of protease-activated receptor-2 during embryonic development. *Developmental Dynamics*, **2000**, 218, 465-71	2.9	43
58	Osteopontin deficiency delays inflammatory infiltration and the onset of muscle regeneration in a mouse model of muscle injury. *DMM Disease Models and Mechanisms*, **2013**, 6, 197-205	4.1	41
57	Cartilage canals in equine articular/epiphyseal growth cartilage and a possible association with dyschondroplasia. *Equine Veterinary Journal*, **1997**, 29, 360-4	2.4	41

56	The role of protease-activated receptor-1 in bone healing. *American Journal of Pathology*, **2005**, 166, 857-68	5.8	41
55	Modulation of osteoblast-like cell behavior by activation of protease-activated receptor-1. *Journal of Bone and Mineral Research*, **1999**, 14, 1320-9	6.3	39
54	Immunohistochemical localization of the matrix glycoprotein tenascin in the skull of the growing rat. *Archives of Oral Biology*, **1988**, 33, 383-90	2.8	39
53	Evidence for the activation of PAR-2 by the sperm protease, acrosin: expression of the receptor on oocytes. *FEBS Letters*, **2000**, 484, 285-90	3.8	38
52	Comparison of the distribution patterns of tenascin and alkaline phosphatase in developing teeth, cartilage, and bone of rats and mice. *The Anatomical Record*, **1990**, 228, 69-76		38
51	Thrombin-stimulated growth factor and cytokine expression in osteoblasts is mediated by protease-activated receptor-1 and prostanoids. *Bone*, **2009**, 44, 813-21	4.7	35
50	Protease-activated receptors in the musculoskeletal system. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 1169-84	5.6	35
49	Tenascin expression in basal cell carcinoma. *British Journal of Dermatology*, **1992**, 127, 571-4	4	35
48	Altered gene expression in early osteochondrosis lesions. *Journal of Orthopaedic Research*, **2009**, 27, 452-7	3.8	32
47	Regulation of tenascin-C expression in bone cells by transforming growth factor-beta. *Bone*, **1998**, 22, 301-7	4.7	32
46	Activation of protease-activated receptor-2 leads to inhibition of osteoclast differentiation. *Journal of Bone and Mineral Research*, **2004**, 19, 507-16	6.3	32
45	Expression of the thrombin receptor in developing bone and associated tissues. *Journal of Bone and Mineral Research*, **1998**, 13, 818-27	6.3	31
44	Increased autophagy in EphrinB2-deficient osteocytes is associated with elevated secondary mineralization and brittle bone. *Nature Communications*, **2019**, 10, 3436	17.4	29
43	Protease-activated receptor-1 down-regulates the murine inflammatory and humoral response to Helicobacter pylori. *Gastroenterology*, **2010**, 138, 573-82	13.3	26
42	Studies on the receptors mediating responses of osteoblasts to thrombin. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 206-13	5.6	26
41	High molecular weight gingipains from Porphyromonas gingivalis induce cytokine responses from human macrophage-like cells via a nonproteolytic mechanism. *Journal of Innate Immunity*, **2009**, 1, 109-17	6.9	25
40	Protease-activated receptor 2 has pivotal roles in cellular mechanisms involved in experimental periodontitis. *Infection and Immunity*, **2010**, 78, 629-38	3.7	23
39	Responses in vivo to purified poly(3-hydroxybutyrate-co-3-hydroxyvalerate) implanted in a murine tibial defect model. *Journal of Biomedical Materials Research - Part A*, **2009**, 91, 845-54	5.4	23

38	Proteinase-activated receptor-2 is required for normal osteoblast and osteoclast differentiation during skeletal growth and repair. *Bone*, **2012**, 50, 704-12	4.7	22
37	Hyaluronan synthesis and myogenesis: a requirement for hyaluronan synthesis during myogenic differentiation independent of pericellular matrix formation. *Journal of Biological Chemistry*, **2013**, 288, 13006-21	5.4	20
36	Chondrocytic ephrin B2 promotes cartilage destruction by osteoclasts in endochondral ossification. *Development (Cambridge)*, **2016**, 143, 648-57	6.6	19
35	Evaluation of antibodies directed against human protease-activated receptor-2. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2012**, 385, 861-73	3.4	19
34	Role of subchondral bone remodelling in collapse of the articular surface of Thoroughbred racehorses with palmar osteochondral disease. *Equine Veterinary Journal*, **2016**, 48, 228-33	2.4	19
33	Subchondral bone microdamage accumulation in distal metacarpus of Thoroughbred racehorses. *Equine Veterinary Journal*, **2018**, 50, 766-773	2.4	16
32	Tenascin-C induced stimulation of chondrogenesis is dependent on the presence of the C-terminal fibrinogen-like globular domain. *FEBS Letters*, **2000**, 480, 189-92	3.8	16
31	Modulating chondrocyte hypertrophy in growth plate and osteoarthritic cartilage. *Journal of Musculoskeletal Neuronal Interactions*, **2008**, 8, 308-10	1.3	16
30	The differential effects of stanozolol on human skin and synovial fibroblasts in vitro: DNA synthesis and receptor binding. *Agents and Actions*, **1994**, 41, 37-43		15
29	Proteinase-activated receptor-2 (PAR2) and mouse osteoblasts: regulation of cell function and lack of specificity of PAR2-activating peptides. *Clinical and Experimental Pharmacology and Physiology*, **2010**, 37, 328-36	3	14
28	Functional responses of bone cells to thrombin. *Biological Chemistry*, **2006**, 387, 1037-41	4.5	14
27	Identification of novel osteochondrosis--Associated genes. *Journal of Orthopaedic Research*, **2016**, 34, 404-11	3.8	14
26	Can high-resolution peripheral quantitative computed tomography imaging of subchondral and cortical bone predict condylar fracture in Thoroughbred racehorses?. *Equine Veterinary Journal*, **2015**, 47, 428-32	2.4	13
25	Dissection of protease-activated receptor-1-dependent and -independent responses to thrombin in skeletal myoblasts. *Experimental Cell Research*, **2002**, 274, 149-56	4.2	13
24	Expression of tenascin in perifollicular connective tissue: comparison of normal scalp and alopecia areata. *Archives of Dermatological Research*, **1991**, 283, 86-90	3.3	13
23	The antiepileptic medications carbamazepine and phenytoin inhibit native sodium currents in murine osteoblasts. *Epilepsia*, **2016**, 57, 1398-405	6.4	12
22	Exercise-induced inhibition of remodelling is focally offset with fatigue fracture in racehorses. *Osteoporosis International*, **2013**, 24, 2043-8	5.3	12
21	Thrombin inhibits osteoclast differentiation through a non-proteolytic mechanism. *Journal of Molecular Endocrinology*, **2013**, 50, 347-59	4.5	12

20	Periostin expression distinguishes between light and dark hypertrophic chondrocytes. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 880-9	5.6	12
19	Thrombin is a pro-fibrotic factor for rat renal fibroblasts in vitro. *Nephron Experimental Nephrology*, **2005**, 101, e42-9		12
18	Cholera toxin and forskolin stimulate formation of osteoclast-like cells in mouse marrow cultures and cultured mouse calvarial bones. *European Journal of Oral Sciences*, **1999**, 107, 45-54	2.3	12
17	Normal inflammation and regeneration of muscle following injury require osteopontin from both muscle and non-muscle cells. *Skeletal Muscle*, **2019**, 9, 6	5.1	10
16	Hypertrophy and physiological death of equine chondrocytes in vitro. *Equine Veterinary Journal*, **2007**, 39, 546-52	2.4	10
15	Prevalence of subchondral bone pathological changes in the distal metacarpi/metatarsi of racing Thoroughbred horses. *Australian Veterinary Journal*, **2017**, 95, 362-369	1.2	9
14	Tumour progression and cancer-induced pain: a role for protease-activated receptor-2?. *International Journal of Biochemistry and Cell Biology*, **2014**, 57, 149-56	5.6	9
13	Myoblasts isolated from hypertrophy-responsive callipyge muscles show altered growth rates and increased resistance to serum deprivation-induced apoptosis. *Cells Tissues Organs*, **2008**, 187, 141-51	2.1	6
12	Immunohistochemical localization of a tenascin-like extracellular matrix protein in sea urchin embryos. *Roux's Archives of Developmental Biology*, **1990**, 199, 169-173		6
11	The vacuolar H ATPase V subunit d is associated with chondrocyte hypertrophy and supports chondrocyte differentiation. *Bone Reports*, **2017**, 7, 98-107	2.6	5
10	Identification of light and dark hypertrophic chondrocytes in mouse and rat chondrocyte pellet cultures. *Tissue and Cell*, **2010**, 42, 121-8	2.7	5
9	The gingipains from Porphyromonas gingivalis do not directly induce osteoclast differentiation in primary mouse bone marrow cultures. *Journal of Periodontal Research*, **2009**, 44, 565-7	4.3	5
8	Immunohistochemical localization of tenascin and fibronectin in the dentine and gingiva of Canis familiaris. *Archives of Oral Biology*, **1991**, 36, 165-70	2.8	5
7	Keratinocyte-specific ablation of protease-activated receptor 2 prevents gingival inflammation and bone loss in a mouse model of periodontal disease. *Cellular Microbiology*, **2018**, 20, e12891	3.9	4
6	Contractile properties of slow and fast skeletal muscles from protease activated receptor-1 null mice. *Muscle and Nerve*, **2014**, 50, 991-8	3.4	3
5	Microstructural properties of the proximal sesamoid bones of Thoroughbred racehorses in training. *Equine Veterinary Journal*, **2021**, 53, 1169-1177	2.4	2
4	A T cell-specific knockout reveals an important role for protease-activated receptor 2 in lymphocyte development. *International Journal of Biochemistry and Cell Biology*, **2017**, 92, 95-103	5.6	1
3	Protease-activated receptor-2 promotes osteogenesis in skeletal mesenchymal stem cells at the expense of adipogenesis: Involvement of interleukin-6. *Bone Reports*, **2021**, 15, 101113	2.6	1

2	Associations between the radiographic appearance of vascular channels in proximal sesamoid bones, their microstructural characteristics and past racing performance in Thoroughbreds. *Equine Veterinary Journal*, **2020**, 52, 670-677	2.4	0
1	Tenascin: an extracellular matrix protein associated with bone growth **1996**, 87-98		