

# Mari Kaartinen

## List of Publications by Year in descending order

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47  
papers

2,433  
citations

185998

28  
h-index

223531

46  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrisome alterations in obesity – Adipose tissue transcriptome study on monozygotic weight-discordant twins. <i>Matrix Biology</i> , 2022, 108, 1-19.	1.5	7
2	Biomimetic trace metals improve bone regenerative properties of calcium phosphate bioceramics. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 666-681.	2.1	14
3	F13A1 transglutaminase expression in human adipose tissue increases in acquired excess weight and associates with inflammatory status of adipocytes. <i>International Journal of Obesity</i> , 2021, 45, 577-587.	1.6	13
4	The effect of aging on the bone healing properties of blood plasma. <i>Injury</i> , 2021, 52, 1697-1708.	0.7	4
5	Differences in platelet-rich plasma composition influence bone healing. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1613-1623.	2.3	11
6	Assessment of expression and specific activities of transglutaminases TG1, TG2, and FXIII-A during osteoclastogenesis. <i>Analytical Biochemistry</i> , 2020, 591, 113512.	1.1	7
7	Transglutaminases and Obesity in Humans: Association of F13A1 to Adipocyte Hypertrophy and Adipose Tissue Immune Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8289.	1.8	20
8	A bilayered dense collagen/chitosan hydrogel to model the osteochondral interface. <i>Emergent Materials</i> , 2019, 2, 245-262.	3.2	14
9	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. <i>Acta Biomaterialia</i> , 2019, 89, 343-358.	4.1	35
10	Transglutaminase activity regulates differentiation, migration and fusion of osteoclasts via affecting actin dynamics. <i>Journal of Cellular Physiology</i> , 2018, 233, 7497-7513.	2.0	25
11	Transglutaminases in Monocytes and Macrophages. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 115.	1.3	16
12	Mineralization-inhibiting effects of transglutaminase-crosslinked polymeric osteopontin. <i>Bone</i> , 2017, 101, 37-48.	1.4	31
13	Transglutaminases factor XIII-A and TG2 regulate resorption, adipogenesis and plasma fibronectin homeostasis in bone and bone marrow. <i>Cell Death and Differentiation</i> , 2017, 24, 844-854.	5.0	38
14	Factor XIII-A transglutaminase deficient mice show signs of metabolically healthy obesity on high fat diet. <i>Scientific Reports</i> , 2016, 6, 35574.	1.6	17
15	Transglutaminases in Bone Formation and Bone Matrix Stabilization. , 2015, , 263-281.		0
16	Cellular Factor XIIIa Transglutaminase Localizes in Caveolae and Regulates Caveolin-1 Phosphorylation, Homo-oligomerization and c-Src Signaling in Osteoblasts. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 829-841.	1.3	4
17	Transglutaminase 2 – a novel inhibitor of adipogenesis. <i>Cell Death and Disease</i> , 2015, 6, e1868-e1868.	2.7	25
18	Extracellular matrix mineralization in murine MC3T3-E1 osteoblast cultures: An ultrastructural, compositional and comparative analysis with mouse bone. <i>Bone</i> , 2015, 71, 244-256.	1.4	86

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19	Serotonin (5-HT) inhibits Factor XIII-A-mediated plasma fibronectin matrix assembly and crosslinking in osteoblast cultures via direct competition with transamidation. <i>Bone</i> , 2015, 72, 43-52.	1.4	23
20	Transglutaminase activity arising from Factor XIIIa is required for stabilization and conversion of plasma fibronectin into matrix in osteoblast cultures. <i>Bone</i> , 2014, 59, 127-138.	1.4	42
21	Transglutaminase Regulation of Cell Function. <i>Physiological Reviews</i> , 2014, 94, 383-417.	13.1	353
22	Electrochemical modulation of plasma fibronectin surface conformation enables filament formation and control of endothelial cell-surface interactions. <i>RSC Advances</i> , 2014, 4, 47769-47780.	1.7	6
23	Detyrosinated Glu-tubulin is a substrate for cellular Factor XIIIa transglutaminase in differentiating osteoblasts. <i>Amino Acids</i> , 2014, 46, 1513-1526.	1.2	13
24	Factor XIII-A transglutaminase acts as a switch between preadipocyte proliferation and differentiation. <i>Blood</i> , 2014, 124, 1344-1353.	0.6	45
25	Factor XIIIa transglutaminase expression and secretion by osteoblasts is regulated by extracellular matrix collagen and the MAP kinase signaling pathway. <i>Journal of Cellular Physiology</i> , 2012, 227, 2936-2946.	2.0	27
26	Plasma Membrane Factor XIIIa Transglutaminase Activity Regulates Osteoblast Matrix Secretion and Deposition by Affecting Microtubule Dynamics. <i>PLoS ONE</i> , 2011, 6, e15893.	1.1	52
27	Transglutaminase-mediated oligomerization promotes osteoblast adhesive properties of osteopontin and bone sialoprotein. <i>Cell Adhesion and Migration</i> , 2011, 5, 65-72.	1.1	33
28	Regulation of ATPase activity of transglutaminase 2 by MT1-MMP: Implications for mineralization of MC3T3-E1 osteoblast cultures. <i>Journal of Cellular Physiology</i> , 2010, 223, 260-269.	2.0	25
29	Periodic beaded-filament assembly of fibronectin on negatively charged surface. <i>Journal of Structural Biology</i> , 2010, 170, 50-59.	1.3	39
30	Enhanced osteoblast adhesion on transglutaminase 2-crosslinked fibronectin. <i>Amino Acids</i> , 2009, 36, 747-753.	1.2	32
31	Size Distribution and Molecular Associations of Plasma Fibronectin and Fibronectin Crosslinked by Transglutaminase-2. <i>Protein Journal</i> , 2008, 27, 223-233.	0.7	47
32	The bioorganic chemistry of transglutaminase - from mechanism to inhibition and engineering. <i>Canadian Journal of Chemistry</i> , 2008, 86, 271-276.	0.6	39
33	Osteopontin functions as an opsonin and facilitates phagocytosis by macrophages of hydroxyapatite-coated microspheres: Implications for bone wound healing. <i>Bone</i> , 2008, 43, 708-716.	1.4	42
34	Expression and Localization of Plasma Transglutaminase Factor XIIIa in Bone. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 675-685.	1.3	43
35	Pyrophosphate Inhibits Mineralization of Osteoblast Cultures by Binding to Mineral, Up-regulating Osteopontin, and Inhibiting Alkaline Phosphatase Activity. <i>Journal of Biological Chemistry</i> , 2007, 282, 15872-15883.	1.6	313
36	Osteopontin Upregulation and Polymerization by Transglutaminase 2 in Calcified Arteries of Matrix Gla Protein-deficient Mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 375-386.	1.3	55

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37	ATP-mediated mineralization of MC3T3-E1 osteoblast cultures. <i>Bone</i> , 2007, 41, 549-561.	1.4	77
38	Transglutaminase activity regulates osteoblast differentiation and matrix mineralization in MC3T3-E1 osteoblast cultures. <i>Matrix Biology</i> , 2006, 25, 135-148.	1.5	104
39	Transglutaminases in mineralized tissues. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 1591.	3.0	76
40	Transglutaminase Crosslinking of SIBLING Proteins in Teeth. <i>Journal of Dental Research</i> , 2005, 84, 607-612.	2.5	31
41	Hierarchies of Extracellular Matrix and Mineral Organization in Bone of the Craniofacial Complex and Skeleton. <i>Cells Tissues Organs</i> , 2005, 181, 176-188.	1.3	86
42	Cartilage Formation and Calcification in Arteries of Mice Lacking Matrix Gla Protein. <i>Connective Tissue Research</i> , 2003, 44, 272-278.	1.1	77
43	Cartilage Formation and Calcification in Arteries of Mice Lacking Matrix Gla Protein. <i>Connective Tissue Research</i> , 2003, 44, 272-278.	1.1	32
44	Homotypic Interactions of Soluble and Immobilized Osteopontin. <i>Annals of Biomedical Engineering</i> , 2002, 30, 840-850.	1.3	32
45	Tissue Transglutaminase and Its Substrates in Bone. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 2161-2173.	3.1	111
46	Cross-linking of Osteopontin by Tissue Transglutaminase Increases Its Collagen Binding Properties. <i>Journal of Biological Chemistry</i> , 1999, 274, 1729-1735.	1.6	136
47	Transglutaminase-catalyzed Cross-linking of Osteopontin Is Inhibited by Osteocalcin. <i>Journal of Biological Chemistry</i> , 1997, 272, 22736-22741.	1.6	73