

Mari Kaartinen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8617098/publications.pdf>

Version: 2024-02-01

47
papers

2,433
citations

186265
28
h-index

223800
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.	3.6	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.	4.0	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.	3.4	13
4	The effect of aging on the bone healing properties of blood plasma. <i>Injury</i> , 2021, 52, 1697-1708.	1.7	4
5	Differences in platelet-rich plasma composition influence bone healing. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1613-1623.	4.9	11
6	Assessment of expression and specific activities of transglutaminases TG1, TG2, and FXIII-A during osteoclastogenesis. <i>Analytical Biochemistry</i> , 2020, 591, 113512.	2.4	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.	4.1	20
8	A bilayered dense collagen/chitosan hydrogel to model the osteochondral interface. <i>Emergent Materials</i> , 2019, 2, 245-262.	5.7	14
9	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. <i>Acta Biomaterialia</i> , 2019, 89, 343-358.	8.3	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.	4.1	25
11	Transglutaminases in Monocytes and Macrophages. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 115.	2.9	16
12	Mineralization-inhibiting effects of transglutaminase-crosslinked polymeric osteopontin. <i>Bone</i> , 2017, 101, 37-48.	2.9	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.	11.2	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.	3.3	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.	2.5	4
17	Transglutaminase 2 – a novel inhibitor of adipogenesis. <i>Cell Death and Disease</i> , 2015, 6, e1868-e1868.	6.3	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.	2.9	86

#	ARTICLE	IF	CITATIONS
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.	2.9	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.	2.9	42
21	Transglutaminase Regulation of Cell Function. <i>Physiological Reviews</i> , 2014, 94, 383-417.	28.8	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.	3.6	6
23	Detyrosinated Glu-tubulin is a substrate for cellular Factor XIIIa transglutaminase in differentiating osteoblasts. <i>Amino Acids</i> , 2014, 46, 1513-1526.	2.7	13
24	Factor XIII-A transglutaminase acts as a switch between preadipocyte proliferation and differentiation. <i>Blood</i> , 2014, 124, 1344-1353.	1.4	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.	4.1	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.	2.5	52
27	Transglutaminase-mediated oligomerization promotes osteoblast adhesive properties of osteopontin and bone sialoprotein. <i>Cell Adhesion and Migration</i> , 2011, 5, 65-72.	2.7	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.	4.1	25
29	Periodic beaded-filament assembly of fibronectin on negatively charged surface. <i>Journal of Structural Biology</i> , 2010, 170, 50-59.	2.8	39
30	Enhanced osteoblast adhesion on transglutaminase 2-crosslinked fibronectin. <i>Amino Acids</i> , 2009, 36, 747-753.	2.7	32
31	Size Distribution and Molecular Associations of Plasma Fibronectin and Fibronectin Crosslinked by Transglutaminase ² . <i>Protein Journal</i> , 2008, 27, 223-233.	1.6	47
32	The bioorganic chemistry of transglutaminase " from mechanism to inhibition and engineering. <i>Canadian Journal of Chemistry</i> , 2008, 86, 271-276.	1.1	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.	2.9	42
34	Expression and Localization of Plasma Transglutaminase Factor XIIIa in Bone. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 675-685.	2.5	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.	3.4	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.	2.5	55

#	ARTICLE	IF	CITATIONS
37	ATP-mediated mineralization of MC3T3-E1 osteoblast cultures. Bone, 2007, 41, 549-561.	2.9	77
38	Transglutaminase activity regulates osteoblast differentiation and matrix mineralization in MC3T3-E1 osteoblast cultures. Matrix Biology, 2006, 25, 135-148.	3.6	104
39	Transglutaminases in mineralized tissues. Frontiers in Bioscience - Landmark, 2006, 11, 1591.	3.0	76
40	Transglutaminase Crosslinking of SIBLING Proteins in Teeth. Journal of Dental Research, 2005, 84, 607-612.	5.2	31
41	Hierarchies of Extracellular Matrix and Mineral Organization in Bone of the Craniofacial Complex and Skeleton. Cells Tissues Organs, 2005, 181, 176-188.	2.3	86
42	Cartilage Formation and Calcification in Arteries of Mice Lacking Matrix Gla Protein. Connective Tissue Research, 2003, 44, 272-278.	2.3	77
43	Cartilage Formation and Calcification in Arteries of Mice Lacking Matrix Gla Protein. Connective Tissue Research, 2003, 44, 272-278.	2.3	32
44	Homotypic Interactions of Soluble and Immobilized Osteopontin. Annals of Biomedical Engineering, 2002, 30, 840-850.	2.5	32
45	Tissue Transglutaminase and Its Substrates in Bone. Journal of Bone and Mineral Research, 2002, 17, 2161-2173.	2.8	111
46	Cross-linking of Osteopontin by Tissue Transglutaminase Increases Its Collagen Binding Properties. Journal of Biological Chemistry, 1999, 274, 1729-1735.	3.4	136
47	Transglutaminase-catalyzed Cross-linking of Osteopontin Is Inhibited by Osteocalcin. Journal of Biological Chemistry, 1997, 272, 22736-22741.	3.4	73