Elena Makareeva

List of Publications by Year
in descending order

30 papers	2,470 citations	331642 21 h-index	501174 28 g-index
32 all docs	32 docs citations	32 times ranked	2934 citing authors

#	Article	IF	Citations
1	Procollagen Trafficking and its Implications in Osteogenesis Imperfecta. Biology of Extracellular Matrix, 2021, , 23-53.	0.3	0
2	Noncanonical ERâ€“Golgi trafficking and autophagy of endogenous procollagen in osteoblasts. Cellular and Molecular Life Sciences, 2021, 78, 8283-8300.	5.4	12
3	Mechanisms of procollagen and HSP47 sorting during ER-to-Golgi trafficking. Matrix Biology, 2020, 93, 79-94.	3.6	25
4	Substitution of murine type I collagen A1 3-hydroxylation site alters matrix structure but does not recapitulate osteogenesis imperfecta bone dysplasia. Matrix Biology, 2020, 90, 20-39.	3.6	11
5	Noncanonical autophagy at ER exit sites regulates procollagen turnover. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10099-E10108.	7.1	136
6	Substitutions for arginine at position 780 in triple helical domain of the Î±1(I) chain alter folding of the type I procollagen molecule and cause osteogenesis imperfecta. PLoS ONE, 2018, 13, e0200264.	2.5	16
7	P4HA1 mutations cause a unique congenital disorder of connective tissue involving tendon, bone, muscle and the eye. Human Molecular Genetics, 2017, 26, 2207-2217.	2.9	37
8	Osteoblast Malfunction Caused by Cell Stress Response to Procollagen Misfolding in Î±2(I)-G610C Mouse Model of Osteogenesis Imperfecta. Journal of Bone and Mineral Research, 2016, 31, 1608-1616.	2.8	71
9	Genetic Defects in TAPT1 Disrupt Ciliogenesis and Cause a Complex Lethal Osteochondrodysplasia. American Journal of Human Genetics, 2015, 97, 521-534.	6.2	39
10	Pulse-chase analysis of procollagen biosynthesis by azidohomoalanine labeling. Connective Tissue Research, 2014, 55, 403-410.	2.3	10
11	Collagen Structure, Folding and Function. , 2014, , 71-84.		15
12	Collagen degradation by tumor-associated trypsins. Archives of Biochemistry and Biophysics, 2013, 535, 111-114.	3.0	11
13	Mutations in WNT1 Cause Different Forms of Bone Fragility. American Journal of Human Genetics, 2013, 92, 565-574.	6.2	240
14	Kuskokwim Syndrome, a Recessive Congenital Contracture Disorder, Extends the Phenotype ofFKBP10â€‰ Mutations. Human Mutation, 2013, 34, 1279-1288.	2.5	53
15	Absence ofFKBP10in recessive type XI osteogenesis imperfecta leads to diminished collagen cross-linking and reduced collagen deposition in extracellular matrix. Human Mutation, 2012, 33, 1589-1598.	2.5	86
16	Deficient degradation of homotrimeric type I collagen, Î±1(I)3 glomerulopathy in oim mice. Molecular Genetics and Metabolism, 2011, 104, 373-382.	1.1	10
17	Chaperoning osteogenesis: new protein-folding disease paradigms. Trends in Cell Biology, 2011, 21, 168-176.	7.9	70
18	COL1 C-propeptide cleavage site mutations cause high bone mass osteogenesis imperfecta. Human Mutation, 2011, 32, 598-609.	2.5	119

#	Article	IF	Citations
19	Carcinomas Contain a Matrix Metalloproteinaseâ€“Resistant Isoform of Type I Collagen Exerting Selective Support to Invasion. Cancer Research, 2010, 70, 4366-4374.	0.9	89
20	Lack of Cyclophilin B in Osteogenesis Imperfecta with Normal Collagen Folding. New England Journal of Medicine, 2010, 362, 521-528.	27.0	158
21	Molecular Mechanism of Type I Collagen Homotrimer Resistance to Mammalian Collagenases. Journal of Biological Chemistry, 2010, 285, 22276-22281.	3.4	100
22	Structural Heterogeneity of Type I Collagen Triple Helix and Its Role in Osteogenesis Imperfecta. Journal of Biological Chemistry, 2008, 283, 4787-4798.	3.4	81
23	Prolyl 3-hydroxylase 1 deficiency causes a recessive metabolic bone disorder resembling lethal/severe osteogenesis imperfecta. Nature Genetics, 2007, 39, 359-365.	21.4	429
24	Y-position cysteine substitution in type I collagen (Î±1(I) R888C/p.R1066C) is associated with osteogenesis imperfecta/Ehlers-Danlos syndrome phenotype. Human Mutation, 2007, 28, 396-405.	2.5	63
25	Procollagen Triple Helix Assembly: An Unconventional Chaperone-Assisted Folding Paradigm. PLoS ONE, 2007, 2, e1029.	2.5	56
26	Deficiency of Cartilage-Associated Protein in Recessive Lethal Osteogenesis Imperfecta. New England Journal of Medicine, 2006, 355, 2757-2764.	27.0	307
27	Molecular Mechanism of Î±1(I)-Osteogenesis Imperfecta/Ehlers-Danlos Syndrome. Journal of Biological Chemistry, 2006, 281, 6463-6470.	3.4	77
28	Mutations Near Amino End of Î±1(I) Collagen Cause Combined Osteogenesis Imperfecta/Ehlers-Danlos Syndrome by Interference with N-propeptide Processing. Journal of Biological Chemistry, 2005, 280, 19259-19269.	3.4	118
29	Type I Collagen Triplet Duplication Mutation in Lethal Osteogenesis Imperfecta Shifts Register of Î± Chains throughout the Helix and Disrupts Incorporation of Mutant Helices into Fibrils and Extracellular Matrix. Journal of Biological Chemistry, 2003, 278, 10006-10012.	3.4	29
30	Absence of ER cation channel TMEM38B/TRIC-B causes recessive osteogenesis imperfecta by dysregulation of collagen post-translational modification. Bone Abstracts, 0, , .	0.0	0