Monica Mottes

List of Publications by Year
in descending order

61 papers	2,097 citations	331670 21 h-index	243625 44 g-index
62 all docs	62 docs citations	62 times ranked	2425 citing authors

#	Article	IF	Citations
1	Consortium for osteogenesis imperfecta mutations in the helical domain of type I collagen: regions rich in lethal mutations align with collagen binding sites for integrins and proteoglycans. Human Mutation, 2007, 28, 209-221.	2.5	620
2	Growth hormone treatment in osteogenesis imperfecta with quantitative defect of type I collagen synthesis. Journal of Pediatrics, 1996, 129, 432-439.	1.8	114
3	Osteogenic Differentiation in Healthy and Pathological Conditions. International Journal of Molecular Sciences, 2017, 18, 41.	4.1	88
4	Current and emerging treatments for the management of osteogenesis imperfecta. Therapeutics and Clinical Risk Management, 2010, 6, 367.	2.0	87
5	Multiple forms of human dihydrofolate reductase messenger RNA. Journal of Molecular Biology, 1982, 156, 583-607.	4.2	82
6	Different specific activities of the monomeric and oligomeric forms of plasmid DNA in transformation of B. subtilis and E. coli. Molecular Genetics and Genomics, 1979, 174, 281-286.	2.4	80
7	Lack of expression of SERPINF1, the gene coding for pigment epithelium-derived factor, causes progressively deforming osteogenesis imperfecta with normal type I collagen. Journal of Bone and Mineral Research, 2012, 27, 723-728.	2.8	73
8	Osteogenesis Imperfecta. Paediatric Drugs, 2000, 2, 465-488.	3.1	69
9	Osteogenesis imperfecta: clinical, biochemical and molecular findings. Clinical Genetics, 2006, 70, 131-139.	2.0	47
10	Role of microRNAs in progenitor cell commitment and osteogenic differentiation in health and disease (Review). International Journal of Molecular Medicine, 2018, 41, 2441-2449.	4.0	47
11	Physical Exercise Modulates miR-21-5p, miR-129-5p, miR-378-5p, and miR-188-5p Expression in Progenitor Cells Promoting Osteogenesis. Cells, 2019, 8, 742.	4.1	46
12	Specific pattern of instability of Escherichia coli HisG gene cloned in Bacillus subtilis via the Staphylococcus aureus plasmid pCS194. Plasmid, 1981, 6, 99-111.	1.4	40
13	Paternal mosaicism for a COL1A1 dominant mutation (Î±1 Ser-415) causes recurrent osteogenesis imperfecta. Human Mutation, 1993, 2, 196-204.	2.5	40
14	Cellular stress due to impairment of collagen prolyl hydroxylation complex is rescued by the chaperone 4-phenylbutyrate. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	32
15	A common ? hexosaminidase gene mutation in adult Sandhoff disease patients. Human Genetics, 1995, 96, 417-22.	3.8	30
16	Deficiency of CRTAP in nonâ€lethal recessive osteogenesis imperfecta reduces collagen deposition into matrix. Clinical Genetics, 2012, 82, 453-459.	2.0	30
17	Autosomal dominant benign recurrent intrahepatic cholestasis (BRIC) unlinked to 18q21 and 2q24. American Journal of Medical Genetics Part A, 2000, 95, 450-453.	2.4	29
18	Can half-marathon affect overall health? The yin-yang of sport. Journal of Proteomics, 2018, 170, 80-87.	2.4	23

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19	Mild dominant osteogenesis imperfecta with intrafamilial variability: the cause is a serine for glycine ?1(I) 901 substitution in a type-I collagen gene. Human Genetics, 1992, 89, 480-4.	3.8	22
20	Rescue of Migratory Defects of Ehlersâ€“Danlos Syndrome Fibroblasts In Vitro by Type V Collagen but not Insulin-Like Binding Protein-1. Journal of Investigative Dermatology, 2008, 128, 1915-1919.	0.7	22
21	Clodronate as a Therapeutic Strategy against Osteoarthritis. International Journal of Molecular Sciences, 2017, 18, 2696.	4.1	22
22	Characterization and functional analysis of cis-acting elements of the human farnesyl diphosphate synthetase (FDPS) gene 5â€² flanking region. Genomics, 2009, 93, 227-234.	2.9	21
23	Runx2 overexpression compromises bone quality in acromegalic patients. Endocrine-Related Cancer, 2018, 25, 269-277.	3.1	21
24	New Insights into the Runt Domain of RUNX2 in Melanoma Cell Proliferation and Migration. Cells, 2018, 7, 220.	4.1	21
25	Stickler syndrome and vitreoretinal degeneration: correlation between locus mutation and vitreous phenotype. Apropos of a case. Graefe's Archive for Clinical and Experimental Ophthalmology, 2001, 239, 316-319.	1.9	20
26	Control of the Autophagy Pathway in Osteoarthritis: Key Regulators, Therapeutic Targets and Therapeutic Strategies. International Journal of Molecular Sciences, 2021, 22, 2700.	4.1	20
27	Enhanced Osteogenic Differentiation in Zoledronate-Treated Osteoporotic Patients. International Journal of Molecular Sciences, 2017, 18, 1261.	4.1	19
28	Runx2 stimulates neoangiogenesis through the Runt domain in melanoma. Scientific Reports, 2019, 9, 8052.	3.3	19
29	Zebrafish: A Suitable Tool for the Study of Cell Signaling in Bone. Cells, 2020, 9, 1911.	4.1	17
30	A new type of EcoRI polymorphism of the human ribosomal DNA repeating unit revealed by analysis of cloned DNA fragments. Gene, 1984, 27, 109-113.	2.2	16
31	Intrafamilial variable expressivity of osteogenesis imperfecta due to mosaicism for a lethal G382R substitution in theCOL1A1gene. Molecular and Cellular Probes, 1996, 10, 219-225.	2.1	16
32	Gly85 to Val substitution in proalpha1(I) chain causes mild osteogenesis imperfecta and introduces a susceptibility to protease digestion. FEBS Journal, 1993, 217, 77-82.	0.2	15
33	Genetic testing for adult-type hypolactasia in Italian families. Clinical Chemistry and Laboratory Medicine, 2008, 46, 980-4.	2.3	15
34	Haplotype frequencies of the collagen type-I genes in the Italian population. Human Genetics, 1989, 83, 369-372.	3.8	12
35	Molecular genetic characterization of two metachromatic leukodystrophy patients who carry the T799G mutation and show different phenotypes; description of a novel null-type mutation. Human Genetics, 1998, 102, 459-463.	3.8	12
36	Methylsulfonylmethane enhances MSC chondrogenic commitment and promotes pre-osteoblasts formation. Stem Cell Research and Therapy, 2021, 12, 326.	5.5	12

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37	Ectopic expression of the osteogenic master gene RUNX2 in melanoma Maria Teresa Valenti, Luca Dalle Carbonare, Monica Mottes. World Journal of Stem Cells, 2018, 10, 78-81.	2.8	12
38	Osteogenesis imprefecta and type-I collagen mutations. A lethal variant caused by a Gly910Ala substitution in the alpha1(I) chain. FEBS Journal, 1993, 211, 415-419.	0.2	11
39	Four new cases of lethal osteogenesis imperfecta due to glycine substitutions in COL1A1 and genes. Human Mutation, 1998, 12, 71-72.	2.5	11
40	The genetic background of osteoporosis in cystic fibrosis: Association analysis with polymorphic markers in four candidate genes. Journal of Cystic Fibrosis, 2006, 5, 229-235.	0.7	11
41	Effects of Oral Anticoagulant Therapy on Gene Expression in Crosstalk between Osteogenic Progenitor Cells and Endothelial Cells. Journal of Clinical Medicine, 2019, 8, 329.	2.4	11
42	Effects of physical exercise on the prevention of stem cells senescence. Stem Cell Reviews and Reports, 2020, 16, 33-40.	3.8	11
43	BEL Î²-Trefoil Reduces the Migration Ability of RUNX2 Expressing Melanoma Cells in Xenotransplanted Zebrafish. Molecules, 2020, 25, 1270.	3.8	11
44	Medication-Related Osteonecrosis of the Jaw (MRONJ): Are Antiresorptive Drugs the Main Culprits or Only Accomplices? The Triggering Role of Vitamin D Deficiency. Nutrients, 2021, 13, 561.	4.1	11
45	Physical Activity Prevents Cartilage Degradation: A Metabolomics Study Pinpoints the Involvement of Vitamin B6. Cells, 2019, 8, 1374.	4.1	10
46	An integrated approach identifies new oncotargets in melanoma. Oncotarget, 2018, 9, 11489-11502.	1.8	10
47	A potential role for astaxanthin in the treatment of bone diseases (Review). Molecular Medicine Reports, 2020, 22, 1695-1701.	2.4	9
48	Hyperuricemia cosegregating with osteogenesis imperfecta is associated with a mutation in GPATCH8. Human Genetics, 2011, 130, 671-683.	3.8	8
49	A Potential Role of RUNX2- RUNT Domain in Modulating the Expression of Genes Involved in Bone Metastases: An In Vitro Study with Melanoma Cells. Cells, 2020, 9, 751.	4.1	8
50	Role of autophagy in bone and muscle biology. World Journal of Stem Cells, 2016, 8, 396.	2.8	8
51	A 931 + 2T â†' C transition in one COL1A2 allele causes exon 16 skipping in PROÎ±2(I) mRNA and produces moderately severe OI. Human Mutation, 1995, 6, 268-271.	2.5	6
52	The recurrent causal mutation for osteogenesis imperfecta type V occurs at a highly methylated CpG dinucleotide within the IFITM5 gene. Journal of Pediatric Genetics, 2015, 03, 035-039.	0.7	6
53	Relationship Between Vertebral Fractures, Bone Mineral Density, and Osteometabolic Profile in HIV and Hepatitis B and C-Infected Patients Treated With ART. Frontiers in Endocrinology, 2019, 10, 302.	3.5	6
54	Molecular and Lifestyle Factors Modulating Obesity Disease. Biomedicines, 2020, 8, 46.	3.2	6

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55	Modulation of miR-204 Expression during Chondrogenesis. International Journal of Molecular Sciences, 2022, 23, 2130.	4.1	6
56	Physical Activity Modulates miRNAs Levels and Enhances MYOD Expression in Myoblasts. Stem Cell Reviews and Reports, 2022, 18, 1865-1874.	3.8	6
57	Two Novel C-Terminus RUNX2 Mutations in Two Cleidocranial Dysplasia (CCD) Patients Impairing p53 Expression. International Journal of Molecular Sciences, 2021, 22, 10336.	4.1	5
58	A novel mutation which represents the fifth non-pathogenic polymorphism in the coding sequence of the Arylsulfatase A gene. Molecular and Cellular Probes, 1997, 11, 449-451.	2.1	4
59	Allelic Frequencies of FBN1 Gene Polymorphisms and Genetic Analysis of Italian Families with Marfan Syndrome. Human Heredity, 2000, 50, 175-179.	0.8	4
60	Wound Repair Capability in EDS Fibroblasts can be Retrieved by Exogenous Type V Collagen. Scientific World Journal, The, 2008, 8, 956-958.	2.1	4
61	Fisetin: An Integrated Approach to Identify a Strategy Promoting Osteogenesis. Frontiers in Pharmacology, 2022, 13, .	3.5	3