Giovanna Lattanzi

List of Publications by Citations

110 papers	3,439 citations	35 h-index	53 g-index
119 ext. papers	3,979 ext. citations	5.6 avg, IF	4.99 L-index

#	Paper	IF	Citations
110	Altered pre-lamin A processing is a common mechanism leading to lipodystrophy. *Human Molecular Genetics*, **2005**, 14, 1489-502	5.6	178
109	The accumulation of un-repairable DNA damage in laminopathy progeria fibroblasts is caused by ROS generation and is prevented by treatment with N-acetyl cysteine. *Human Molecular Genetics*, **2011**, 20, 3997-4004	5.6	114
108	Muscular dystrophy-associated SUN1 and SUN2 variants disrupt nuclear-cytoskeletal connections and myonuclear organization. *PLoS Genetics*, **2014**, 10, e1004605	6	109
107	Collagen VI deficiency affects the organization of fibronectin in the extracellular matrix of cultured fibroblasts. *Matrix Biology*, **2001**, 20, 475-86	11.4	101
106	Alterations of nuclear envelope and chromatin organization in mandibuloacral dysplasia, a rare form of laminopathy. *Physiological Genomics*, **2005**, 23, 150-8	3.6	99
105	Molecular mechanisms of CD99-induced caspase-independent cell death and cell-cell adhesion in Ewing's sarcoma cells: actin and zyxin as key intracellular mediators. *Oncogene*, **2004**, 23, 5664-74	9.2	98
104	Laminopathies and lamin-associated signaling pathways. *Journal of Cellular Biochemistry*, **2011**, 112, 979-92	4.7	86
103	Diverse lamin-dependent mechanisms interact to control chromatin dynamics. Focus on laminopathies. *Nucleus*, **2014**, 5, 427-40	3.9	79
102	An overview of new translational, clinical and therapeutic perspectives in laminopathies and other nuclear envelope-related diseases.. *Orphanet Journal of Rare Diseases*, **2015**, 10, I1	4.2	78
101	Chromatin dynamics and in vitro biomarkers in laminopathies: an overview. *Orphanet Journal of Rare Diseases*, **2015**, 10,	4.2	78
100	Failure of lamin A/C to functionally assemble in R482L mutated familial partial lipodystrophy fibroblasts: altered intermolecular interaction with emerin and implications for gene transcription. *Experimental Cell Research*, **2003**, 291, 122-34	4.2	72
99	Nuclear alterations in autosomal-dominant Emery-Dreifuss muscular dystrophy. *Muscle and Nerve*, **2001**, 24, 826-9	3.4	70
98	Doubly heterozygous LMNA and TTN mutations revealed by exome sequencing in a severe form of dilated cardiomyopathy. *European Journal of Human Genetics*, **2013**, 21, 1105-11	5.3	69
97	Association of emerin with nuclear and cytoplasmic actin is regulated in differentiating myoblasts. *Biochemical and Biophysical Research Communications*, **2003**, 303, 764-70	3.4	69
96	108th ENMC International Workshop, 3rd Workshop of the MYO-CLUSTER project: EUROMEN, 7th International Emery-Dreifuss Muscular Dystrophy (EDMD) Workshop, 13-15 September 2002, Naarden, The Netherlands. *Neuromuscular Disorders*, **2003**, 13, 508-15	2.9	68
95	Lamin A Ser404 is a nuclear target of Akt phosphorylation in C2C12 cells. *Journal of Proteome Research*, **2008**, 7, 4727-35	5.6	64
94	Pre-Lamin A processing is linked to heterochromatin organization. *Journal of Cellular Biochemistry*, **2007**, 102, 1149-59	4.7	61

93	The protein kinase Akt/PKB regulates both prelamin A degradation and Lmna gene expression. *FASEB Journal*, **2013**, 27, 2145-55	0.9	59
92	Remodelling of the nuclear lamina during human cytomegalovirus infection: role of the viral proteins pUL50 and pUL53. *Journal of General Virology*, **2008**, 89, 731-740	4.9	55
91	Up-regulation of nuclear PLCbeta1 in myogenic differentiation. *Journal of Cellular Physiology*, **2003**, 195, 446-52	7	55
90	Lamins are rapamycin targets that impact human longevity: a study in centenarians. *Journal of Cell Science*, **2014**, 127, 147-57	5.3	53
89	CD99 acts as an oncosuppressor in osteosarcoma. *Molecular Biology of the Cell*, **2006**, 17, 1910-21	3.5	50
88	All-trans retinoic acid and rapamycin normalize Hutchinson Gilford progeria fibroblast phenotype. *Oncotarget*, **2015**, 6, 29914-28	3.3	49
87	Compound heterozygosity for mutations in LMNA in a patient with a myopathic and lipodystrophic mandibuloacral dysplasia type A phenotype. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 4467-71	5.6	46
86	Inhibition of DNA damage response at telomeres improves the detrimental phenotypes of Hutchinson-Gilford Progeria Syndrome. *Nature Communications*, **2019**, 10, 4990	17.4	46
85	Novel histone deacetylase inhibitors induce growth arrest, apoptosis, and differentiation in sarcoma cancer stem cells. *Journal of Medicinal Chemistry*, **2015**, 58, 4073-9	8.3	45
84	LMNA-associated myopathies: the Italian experience in a large cohort of patients. *Neurology*, **2014**, 83, 1634-44	6.5	45
83	Constitutive heterochromatin: a surprising variety of expressed sequences. *Chromosoma*, **2009**, 118, 419-35	2.8	44
82	Satellite cell characterization from aging human muscle. *Neurological Research*, **2010**, 32, 63-72	2.7	43
81	Mandibuloacral dysplasia: A premature ageing disease with aspects of physiological ageing. *Ageing Research Reviews*, **2018**, 42, 1-13	12	41
80	Ankrd2/ARPP is a novel Akt2 specific substrate and regulates myogenic differentiation upon cellular exposure to H(2)O(2). *Molecular Biology of the Cell*, **2011**, 22, 2946-56	3.5	39
79	Potential therapeutic effects of the MTOR inhibitors for preventing ageing and progeria-related disorders. *British Journal of Clinical Pharmacology*, **2016**, 82, 1229-1244	3.8	37
78	A-type lamins and signaling: the PI 3-kinase/Akt pathway moves forward. *Journal of Cellular Physiology*, **2009**, 220, 553-61	7	37
77	Drugs affecting prelamin A processing: effects on heterochromatin organization. *Experimental Cell Research*, **2008**, 314, 453-62	4.2	36
76	Lamin A precursor induces barrier-to-autointegration factor nuclear localization. *Cell Cycle*, **2010**, 9, 2600-10	4.7	35

75	A novel phenotypic expression associated with a new mutation in LMNA gene, characterized by partial lipodystrophy, insulin resistance, aortic stenosis and hypertrophic cardiomyopathy. *Clinical Endocrinology*, **2008**, 69, 61-8	3.4	35
74	Barrier-to-autointegration factor (BAF) involvement in prelamin A-related chromatin organization changes. *Oncotarget*, **2016**, 7, 15662-77	3.3	35
73	Prelamin A is involved in early steps of muscle differentiation. *Experimental Cell Research*, **2008**, 314, 3628-37	4.2	33
72	Laminopathies: a chromatin affair. *Advances in Enzyme Regulation*, **2006**, 46, 33-49		33
71	Laminopathies: involvement of structural nuclear proteins in the pathogenesis of an increasing number of human diseases. *Journal of Cellular Physiology*, **2005**, 203, 319-27	7	31
70	Emerin expression at the early stages of myogenic differentiation. *Differentiation*, **2000**, 66, 208-17	3.5	29
69	Familial partial lipodystrophy, mandibuloacral dysplasia and restrictive dermopathy feature barrier-to-autointegration factor (BAF) nuclear redistribution. *Cell Cycle*, **2012**, 11, 3568-77	4.7	28
68	Novel COL6A1 splicing mutation in a family affected by mild Bethlem myopathy. *Muscle and Nerve*, **2002**, 25, 513-9	3.4	27
67	Troglitazione affects survival of human osteosarcoma cells. *International Journal of Cancer*, **2002**, 98, 344-51	7.5	27
66	Extracellular matrix and nuclear abnormalities in skeletal muscle of a patient with Walker-Warburg syndrome caused by POMT1 mutation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2003**, 1638, 57-62	6.9	27
65	Modulation of TGFbeta 2 levels by lamin A in U2-OS osteoblast-like cells: understanding the osteolytic process triggered by altered lamins. *Oncotarget*, **2015**, 6, 7424-37	3.3	24
64	Osteoblasts from a mandibuloacral dysplasia patient induce human blood precursors to differentiate into active osteoclasts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011** , 1812, 711-8	6.9	23
63	Dysferlin in a hyperCKaemic patient with caveolin 3 mutation and in C2C12 cells after p38 MAP kinase inhibition. *Experimental and Molecular Medicine*, **2003**, 35, 538-44	12.8	23
62	Oct-1 recruitment to the nuclear envelope in adult-onset autosomal dominant leukodystrophy. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 411-20	6.9	22
61	Prelamin A-mediated nuclear envelope dynamics in normal and laminopathic cells. *Biochemical Society Transactions*, **2011**, 39, 1698-704	5.1	22
60	Rapamycin treatment of Mandibuloacral dysplasia cells rescues localization of chromatin-associated proteins and cell cycle dynamics. *Aging*, **2014**, 6, 755-70	5.6	22
59	Altered modulation of lamin A/C-HDAC2 interaction and p21 expression during oxidative stress response in HGPS. *Aging Cell*, **2018**, 17, e12824	9.9	21
58	Altered chromatin organization and SUN2 localization in mandibuloacral dysplasia are rescued by drug treatment. *Histochemistry and Cell Biology*, **2012**, 138, 643-51	2.4	21

57	Prelamin A processing and functional effects in restrictive dermopathy. *Cell Cycle*, **2010**, 9, 4766-8	4.7	20
56	Involvement of prelamin A in laminopathies. *Critical Reviews in Eukaryotic Gene Expression*, **2007**, 17, 317-34	1.3	20
55	Emerin-prelamin A interplay in human fibroblasts. *Biology of the Cell*, **2009**, 101, 541-54	3.5	19
54	Staurosporine treatment and serum starvation promote the cleavage of emerin in cultured mouse myoblasts: involvement of a caspase-dependent mechanism. *FEBS Letters*, **2001**, 509, 423-9	3.8	19
53	The telomeric protein AKTIP interacts with A- and B-type lamins and is involved in regulation of cellular senescence. *Open Biology*, **2016**, 6,	7	18
52	Altered adipocyte differentiation and unbalanced autophagy in type 2 Familial Partial Lipodystrophy: an in vitro and in vivo study of adipose tissue browning. *Experimental and Molecular Medicine*, **2019**, 51, 1-17	12.8	17
51	Effects of prelamin A processing inhibitors on the differentiation and activity of human osteoclasts. *Journal of Cellular Biochemistry*, **2008**, 105, 34-40	4.7	17
50	Ultrastructural defects of collagen VI filaments in an Ullrich syndrome patient with loss of the alpha3(VI) N10-N7 domains. *Journal of Cellular Physiology*, **2006**, 206, 160-6	7	17
49	The role of transposable elements activity in aging and their possible involvement in laminopathic diseases. *Ageing Research Reviews*, **2020**, 57, 100995	12	17
48	The Cutting Edge: The Role of mTOR Signaling in Laminopathies. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
47	SREBP1 interaction with prelamin A forms: a pathogenic mechanism for lipodystrophic laminopathies. *Advances in Enzyme Regulation*, **2008**, 48, 209-23		16
46	Lamin A involvement in ageing processes. *Ageing Research Reviews*, **2020**, 62, 101073	12	16
45	Elevated TGF β serum levels in Emery-Dreifuss Muscular Dystrophy: Implications for myocyte and tenocyte differentiation and fibrogenic processes. *Nucleus*, **2018**, 9, 292-304	3.9	15
44	The covalent binding of 1,1,2,2-tetrachloroethane to macromolecules of rat and mouse organs. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **1987**, 7, 465-74		15
43	Statins and Histone Deacetylase Inhibitors Affect Lamin A/C - Histone Deacetylase 2 Interaction in Human Cells. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 6	5.7	14
42	Ultrastructural aspects of the DNA polymerase alpha distribution during the cell cycle. *Journal of Histochemistry and Cytochemistry*, **1998**, 46, 1435-42	3.4	14
41	The Different Genotoxicity of P-Dichlorobenzene in Mouse and Rat: Measurement of the in Vivo and in Vitro Covalent Interaction with Nucleic Acids. *Tumori*, **1989**, 75, 305-310	1.7	14
40	Lamins and bone disorders: current understanding and perspectives. *Oncotarget*, **2018**, 9, 22817-22831	3.3	14

39	Detection of mesenchymal stem cells senescence by prelamin A accumulation at the nuclear level. *SpringerPlus*, **2016**, 5, 1427		13
38	Emery-Dreifuss muscular dystrophy, nuclear cell signaling and chromatin remodeling. *Advances in Enzyme Regulation*, **2002**, 42, 1-18		13
37	Cardiolaminopathies from bench to bedside: challenges in clinical decision-making with focus on arrhythmia-related outcomes. *Nucleus*, **2018**, 9, 442-459	3.9	12
36	New roles for lamins, nuclear envelope proteins and actin in the nucleus. *Advances in Enzyme Regulation*, **2004**, 44, 155-72		12
35	Progeroid laminopathy with restrictive dermopathy-like features caused by an isodisomic LMNA mutation p.R435C. *Aging*, **2013**, 5, 445-59	5.6	12
34	Unusual laminin alpha2 processing in myoblasts from a patient with a novel variant of congenital muscular dystrophy. *Biochemical and Biophysical Research Communications*, **2000**, 277, 639-42	3.4	11
33	Emery-Dreifuss Muscular Dystrophy-Associated Mutant Forms of Lamin A Recruit the Stress Responsive Protein Ankrd2 into the Nucleus, Affecting the Cellular Response to Oxidative Stress. *Cellular Physiology and Biochemistry*, **2017**, 42, 169-184	3.9	10
32	Partial lipodystrophy associated with muscular dystrophy of unknown genetic origin. *Muscle and Nerve*, **2014**, 49, 928-30	3.4	10
31	Interleukin-6 neutralization ameliorates symptoms in prematurely aged mice. *Aging Cell*, **2021**, 20, e13285	9.9	10
30	Genomic loci mispositioning in Tmem120a knockout mice yields latent lipodystrophy		9
29	Differences in cardiac phenotype and natural history of laminopathies with and without neuromuscular onset. *Orphanet Journal of Rare Diseases*, **2019**, 14, 263	4.2	9
28	Samp1 Mislocalization in Emery-Dreifuss Muscular Dystrophy. *Cells*, **2018**, 7,	7.9	9
27	Ankrd2 in Mechanotransduction and Oxidative Stress Response in Skeletal Muscle: New Cues for the Pathogenesis of Muscular Laminopathies. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 7318796	6.7	8
26	Laminopathies and A-type lamin-associated signalling pathways. *Advances in Enzyme Regulation*, **2010**, 50, 248-61		8
25	Linkage of lamins to fidelity of gene transcription. *Critical Reviews in Eukaryotic Gene Expression*, **2005**, 15, 277-94	1.3	8
24	Lamin A and Prelamin A Counteract Migration of Osteosarcoma Cells. *Cells*, **2020**, 9,	7.9	7
23	Prelamin A processing and heterochromatin dynamics in laminopathies. *Advances in Enzyme Regulation*, **2007**, 47, 154-67		7
22	Binding of hexachloroethane to biological macromolecules from rat and mouse organs. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1988**, 24, 403-11	3.2	7

21	Long term breeding of the Lmna G609G progeric mouse: Characterization of homozygous and heterozygous models. *Experimental Gerontology*, **2020**, 130, 110784	4.5	7
20	Muscular laminopathies: role of prelamin A in early steps of muscle differentiation. *Advances in Enzyme Regulation*, **2011**, 51, 246-56		6
19	Chloroform Bioactivation Leading to Nucleic Acids Binding. *Tumori*, **1991**, 77, 285-290	1.7	6
18	Genomic loci mispositioning in Tmem120a knockout mice yields latent lipodystrophy.. *Nature Communications*, **2022**, 13, 321	17.4	6
17	The empowerment of translational research: lessons from laminopathies. *Orphanet Journal of Rare Diseases*, **2012**, 7, 37	4.2	5
16	At the nucleus of the problem: nuclear proteins and disease. *Advances in Enzyme Regulation*, **2003**, 43, 411-43		5
15	PCAF Involvement in Lamin A/C-HDAC2 Interplay during the Early Phase of Muscle Differentiation. *Cells*, **2020**, 9,	7.9	5
14	Implications for nuclear organization and gene transcription of lamin A/C specific mutations. *Advances in Enzyme Regulation*, **2005**, 45, 1-16		4
13	Skeletal and Cardiac Muscle Disorders Caused by Mutations in Genes Encoding Intermediate Filament Proteins. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
12	Covalent binding of 1,1,1,2-tetrachloroethane to nucleic acids as evidence of genotoxic activity. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1989**, 26, 485-95	3.2	3
11	The wide and growing range of lamin B-related diseases: from laminopathies to cancer.. *Cellular and Molecular Life Sciences*, **2022**, 79, 126	10.3	3
10	BK channel overexpression on plasma membrane of fibroblasts from Hutchinson-Gilford progeria syndrome. *Aging*, **2018**, 10, 3148-3160	5.6	3
9	Emerging perspectives on laminopathies. *Cell Health and Cytoskeleton*, **2016**, 25		3
8	Joining European Scientific Forces to Face Pandemics. *Trends in Microbiology*, **2021**, 29, 92-97	12.4	3
7	Emerin Phosphorylation during the Early Phase of the Oxidative Stress Response Influences Emerin-BAF Interaction and BAF Nuclear Localization. *Cells*, **2020**, 9,	7.9	2
6	Silencing of Euchromatic Transposable Elements as a Consequence of Nuclear Lamina Dysfunction. *Cells*, **2020**, 9,	7.9	2
5	Cytokine Profile in Striated Muscle Laminopathies: New Promising Biomarkers for Disease Prediction. *Cells*, **2020**, 9,	7.9	2
4	Cutaneous and metabolic defects associated with nuclear abnormalities in a transgenic mouse model expressing R527H lamin A mutation causing mandibuloacral dysplasia type A (MADA) syndrome. *Acta Myologica*, **2020**, 39, 320-335	1.6	2

3	Network assessment of demethylation treatment in melanoma: Differential transcriptome-methylome and antigen profile signatures. *PLoS ONE*, **2018**, 13, e0206686	3.7	1
2	Lamin A and the LINC complex act as potential tumor suppressors in Ewing Sarcoma.. *Cell Death and Disease*, **2022**, 13, 346	9.8	1
1	Laminopathies **2012**, 375-409		