

Stefano Squarzoni

List of Publications by Year in descending order

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108
papers

3,898
citations

117453

34
h-index

149479

56
g-index

110
all docs

110
docs citations

110
times ranked

3541
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered pre-lamin A processing is a common mechanism leading to lipodystrophy. <i>Human Molecular Genetics</i> , 2005, 14, 1489-1502.	1.4	203
2	Early Diagnosis of Ceramic Liner Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 55-63.	1.4	168
3	Rescue of heterochromatin organization in Hutchinson-Gilford progeria by drug treatment. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 2669-2678.	2.4	139
4	Heart-specific localization of emerin: new insights into Emery-Dreifuss muscular dystrophy. <i>Human Molecular Genetics</i> , 1997, 6, 2257-2264.	1.4	138
5	Collagen VI deficiency affects the organization of fibronectin in the extracellular matrix of cultured fibroblasts. <i>Matrix Biology</i> , 2001, 20, 475-486.	1.5	115
6	Autosomal recessive myosclerosis myopathy is a collagen VI disorder. <i>Neurology</i> , 2008, 71, 1245-1253.	1.5	112
7	Lamin A/C sustains PcG protein architecture, maintaining transcriptional repression at target genes. <i>Journal of Cell Biology</i> , 2015, 211, 533-551.	2.3	96
8	Diverse lamin-dependent mechanisms interact to control chromatin dynamics. <i>Nucleus</i> , 2014, 5, 427-440.	0.6	93
9	Nuclear changes in a case of X-linked Emery-Dreifuss muscular dystrophy. , 1999, 22, 864-869.		92
10	Nuclear alterations in autosomal-dominant Emery-Dreifuss muscular dystrophy. <i>Muscle and Nerve</i> , 2001, 24, 826-829.	1.0	80
11	Autophagic degradation of farnesylated prelamin A as a therapeutic approach to lamin-linked progeria. <i>European Journal of Histochemistry</i> , 2011, 55, e36.	0.6	80
12	Expression of the Collagen VI $\alpha 5$ and $\alpha 6$ Chains in Normal Human Skin and in Skin of Patients with Collagen VI-Related Myopathies. <i>Journal of Investigative Dermatology</i> , 2011, 131, 99-107.	0.3	78
13	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. <i>Experimental Cell Research</i> , 2003, 291, 122-134.	1.2	77
14	Association of emerin with nuclear and cytoplasmic actin is regulated in differentiating myoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 764-770.	1.0	75
15	Expression of collagen VI $\alpha 5$ and $\alpha 6$ chains in human muscle and in Duchenne muscular dystrophy-related muscle fibrosis. <i>Matrix Biology</i> , 2012, 31, 187-196.	1.5	73
16	Dominant and recessive COL6A1 mutations in Ullrich scleroatonic muscular dystrophy. <i>Annals of Neurology</i> , 2005, 58, 400-410.	2.8	72
17	Prelamin A-mediated recruitment of SUN1 to the nuclear envelope directs nuclear positioning in human muscle. <i>Cell Death and Differentiation</i> , 2011, 18, 1305-1315.	5.0	72
18	Pre-lamin A processing is linked to heterochromatin organization. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 1149-1159.	1.2	71

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19	All-trans retinoic acid and rapamycin normalize Hutchinson Gilford progeria fibroblast phenotype. <i>Oncotarget</i> , 2015, 6, 29914-29928.	0.8	69
20	Effects on Collagen VI mRNA Stability and Microfibrillar Assembly of Three COL6A2 Mutations in Two Families with Ullrich Congenital Muscular Dystrophy. <i>Journal of Biological Chemistry</i> , 2002, 277, 43557-43564.	1.6	61
21	A new Ag-nanostructured hydroxyapatite porous scaffold: Antibacterial effect and cytotoxicity study. <i>Materials Science and Engineering C</i> , 2021, 118, 111394.	3.8	61
22	Differential and restricted expression of novel collagen VI chains in mouse. <i>Matrix Biology</i> , 2011, 30, 248-257.	1.5	55
23	Lamin A N-terminal phosphorylation is associated with myoblast activation: impairment in Emery-Dreifuss muscular dystrophy. <i>Journal of Medical Genetics</i> , 2005, 42, 214-220.	1.5	52
24	Mineralization behavior with mesenchymal stromal cells in a biomimetic hyaluronic acid-based scaffold. <i>Biomaterials</i> , 2010, 31, 3986-3996.	5.7	50
25	Barrier-to-Autointegration Factor (BAF) involvement in prelamin A-related chromatin organization changes. <i>Oncotarget</i> , 2016, 7, 15662-15677.	0.8	49
26	Drugs affecting prelamin A processing: Effects on heterochromatin organization. <i>Experimental Cell Research</i> , 2008, 314, 453-462.	1.2	45
27	Immunocytochemical detection of emerin within the nuclear matrix. <i>Neuromuscular Disorders</i> , 1998, 8, 338-344.	0.3	44
28	Oral exfoliative cytology for the non-invasive diagnosis in X-linked Emery-Dreifuss muscular dystrophy patients and carriers. <i>Neuromuscular Disorders</i> , 1998, 8, 67-71.	0.3	43
29	Lamin A involvement in ageing processes. <i>Ageing Research Reviews</i> , 2020, 62, 101073.	5.0	41
30	Increase of Neuronal Nitric Oxide Synthase in Rat Skeletal Muscle during Ageing. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 216-219.	1.0	40
31	Lamin A precursor induces barrier-to-autointegration factor nuclear localization. <i>Cell Cycle</i> , 2010, 9, 2600-2610.	1.3	39
32	Intranuclear localization of phospholipids by ultrastructural cytochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 1992, 40, 1383-1392.	1.3	38
33	Localization of laminin $\beta 2$ chain in normal human central nervous system: an immunofluorescence and ultrastructural study. <i>Acta Neuropathologica</i> , 1997, 94, 567-571.	3.9	38
34	Extracellular matrix and nuclear abnormalities in skeletal muscle of a patient with Walker-Warburg syndrome caused by POMT1 mutation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1638, 57-62.	1.8	36
35	Dysferlin in a hyperCKaemic patient with caveolin 3 mutation and in C2C12 cells after p38 MAP kinase inhibition. <i>Experimental and Molecular Medicine</i> , 2003, 35, 538-544.	3.2	36
36	A new method for isolation of polyethylene wear debris from tissue and synovial fluid. <i>Biomaterials</i> , 2004, 25, 5531-5537.	5.7	35

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37	Prelamin A is involved in early steps of muscle differentiation. <i>Experimental Cell Research</i> , 2008, 314, 3628-3637.	1.2	35
38	Laminopathies: Involvement of structural nuclear proteins in the pathogenesis of an increasing number of human diseases. <i>Journal of Cellular Physiology</i> , 2005, 203, 319-327.	2.0	34
39	Laminopathies: A chromatin affair. <i>Advances in Enzyme Regulation</i> , 2006, 46, 33-49.	2.9	34
40	Interleukin-6 neutralization ameliorates symptoms in prematurely aged mice. <i>Aging Cell</i> , 2021, 20, e13285.	3.0	34
41	Collagen VI-NG2 axis in human tendon fibroblasts under conditions mimicking injury response. <i>Matrix Biology</i> , 2016, 55, 90-105.	1.5	33
42	Mixing and matching in ceramic-on-metal hip arthroplasty: An in-vitro hip simulator study. <i>Journal of Biomechanics</i> , 2009, 42, 2439-2446.	0.9	32
43	Honey flavonoids inhibit <i>Candida albicans</i> morphogenesis by affecting DNA behavior and mitochondrial function. <i>Future Microbiology</i> , 2014, 9, 445-456.	1.0	32
44	Familial partial lipodystrophy, mandibuloacral dysplasia and restrictive dermopathy feature barrier-to-autointegration factor (BAF) nuclear redistribution. <i>Cell Cycle</i> , 2012, 11, 3568-3577.	1.3	31
45	Metal-on-metal hip prostheses: Correlation between debris in the synovial fluid and levels of cobalt and chromium ions in the bloodstream. <i>International Orthopaedics</i> , 2014, 38, 469-475.	0.9	31
46	Nuclear envelope proteins and chromatin arrangement: a pathogenic mechanism for laminopathies. <i>European Journal of Histochemistry</i> , 2006, 50, 1-8.	0.6	31
47	Emerin expression at the early stages of myogenic differentiation. <i>Differentiation</i> , 2000, 66, 208-217.	1.0	30
48	Rapamycin treatment of Mandibuloacral Dysplasia cells rescues localization of chromatin-associated proteins and cell cycle dynamics. <i>Aging</i> , 2014, 6, 755-769.	1.4	30
49	Altered chromatin organization and SUN2 localization in mandibuloacral dysplasia are rescued by drug treatment. <i>Histochemistry and Cell Biology</i> , 2012, 138, 643-651.	0.8	27
50	Defective collagen VI $\alpha 6$ chain expression in the skeletal muscle of patients with collagen VI-related myopathies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1604-1612.	1.8	27
51	Altered adipocyte differentiation and unbalanced autophagy in type 2 Familial Partial Lipodystrophy: an in vitro and in vivo study of adipose tissue browning. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-17.	3.2	26
52	Antisense-Induced Messenger Depletion Corrects a COL6A2 Dominant Mutation in Ullrich Myopathy. <i>Human Gene Therapy</i> , 2012, 23, 1313-1318.	1.4	25
53	Modulation of TGFbeta 2 levels by lamin A in U2-OS osteoblast-like cells: understanding the osteolytic process triggered by altered lamins. <i>Oncotarget</i> , 2015, 6, 7424-7437.	0.8	25
54	Morphometric and microanalytical analyses of alumina wear particles in hip prostheses. <i>Biomaterials</i> , 1993, 14, 583-587.	5.7	23

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55	Staurosporine treatment and serum starvation promote the cleavage of emerin in cultured mouse myoblasts: involvement of a caspase-dependent mechanism. <i>FEBS Letters</i> , 2001, 509, 423-429.	1.3	22
56	Functional domains of the nucleus: implications for Emeryâ€“Dreifuss muscular dystrophy. <i>Neuromuscular Disorders</i> , 2002, 12, 815-823.	0.3	22
57	Recessive COL6A2 C-globular Missense Mutations in Ullrich Congenital Muscular Dystrophy. <i>Journal of Biological Chemistry</i> , 2010, 285, 10005-10015.	1.6	22
58	Prelamin A processing and functional effects in restrictive dermopathy. <i>Cell Cycle</i> , 2010, 9, 4766-4768.	1.3	22
59	EARLY DIAGNOSIS OF CERAMIC LINER FRACTURE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 55-63.	1.4	22
60	Ultrastructural defects of collagen VI filaments in an Ullrich syndrome patient with loss of the ± 3 (VI) N10-N7 domains. <i>Journal of Cellular Physiology</i> , 2006, 206, 160-166.	2.0	21
61	Effects of prelamin A processing inhibitors on the differentiation and activity of human osteoclasts. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 34-40.	1.2	21
62	Emerinâ€“prelamin A interplay in human fibroblasts. <i>Biology of the Cell</i> , 2009, 101, 541-554.	0.7	21
63	Ultrastructural changes in muscle cells of patients with collagen VI-related myopathies. <i>Muscles, Ligaments and Tendons Journal</i> , 2019, 03, 281.	0.1	21
64	Antimicrobial Effect and Cytotoxic Evaluation of Mg-Doped Hydroxyapatite Functionalized with Au-Nano Rods. <i>Molecules</i> , 2021, 26, 1099.	1.7	20
65	Morphological evidence of function-related localization of phospholipids in the cell nucleus. <i>Advances in Enzyme Regulation</i> , 1992, 32, 73-90.	2.9	19
66	Preparation of chromosome spreads for electron (TEM, SEM, STEM), light and confocal microscopy. <i>Chromosoma</i> , 1994, 103, 381-392.	1.0	19
67	Synovial fluid microanalysis allows early diagnosis of ceramic hip prosthesis damage. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1312-1320.	1.2	19
68	Emerin expression at the early stages of myogenic differentiation. <i>Differentiation</i> , 2000, 66, 208-217.	1.0	18
69	Determination of Crystallinity and Crystal Structure of Hylamerâ„¢ Polyethylene after in vivo Wear. <i>Journal of Biomaterials Applications</i> , 2006, 21, 131-145.	1.2	18
70	Long term breeding of the Lmna G609G progeric mouse: Characterization of homozygous and heterozygous models. <i>Experimental Gerontology</i> , 2020, 130, 110784.	1.2	18
71	Experimental colitis increases small intestine permeability in the rat. <i>Laboratory Investigation</i> , 1999, 79, 49-57.	1.7	18
72	Localization of dystrophin COOH-terminal domain by the fracture-label technique.. <i>Journal of Cell Biology</i> , 1992, 118, 1401-1409.	2.3	17

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73	Wear in carbon fiber-reinforced polyethylene (poly-two) knee prostheses. <i>La Chirurgia Degli Organi Di Movimento</i> , 1996, 81, 263-7.	0.2	17
74	Critical evaluation of the use of cell cultures for inclusion in clinical trials of patients affected by collagen VI myopathies. <i>Journal of Cellular Physiology</i> , 2012, 227, 2927-2935.	2.0	16
75	Report of a novel ATP7A mutation causing distal motor neuropathy. <i>Neuromuscular Disorders</i> , 2019, 29, 776-785.	0.3	15
76	Dual-Functional Nano-Functionalized Titanium Scaffolds to Inhibit Bacterial Growth and Enhance Osteointegration. <i>Nanomaterials</i> , 2021, 11, 2634.	1.9	14
77	Emerin's role in Emery-Dreifuss muscular dystrophy, nuclear cell signaling and chromatin remodeling. <i>Advances in Enzyme Regulation</i> , 2002, 42, 1-18.	2.9	13
78	Effect of Mechanical Strain on the Collagen VI Pericellular Matrix in Anterior Cruciate Ligament Fibroblasts. <i>Journal of Cellular Physiology</i> , 2014, 229, 878-886.	2.0	13
79	Intracellular detection of laminin $\beta 2$ chain in skin by electron microscopy immunocytochemistry: Comparison between normal and laminin $\beta 2$ chain deficient subjects. <i>Neuromuscular Disorders</i> , 1997, 7, 91-98.	0.3	12
80	Emerin presence in platelets. <i>Acta Neuropathologica</i> , 2000, 100, 291-298.	3.9	12
81	Unusual Laminin $\beta 2$ Processing in Myoblasts from a Patient with a Novel Variant of Congenital Muscular Dystrophy. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 639-642.	1.0	12
82	New roles for lamins, nuclear envelope proteins and actin in the nucleus. <i>Advances in Enzyme Regulation</i> , 2004, 44, 155-172.	2.9	12
83	Tendon Extracellular Matrix Remodeling and Defective Cell Polarization in the Presence of Collagen VI Mutations. <i>Cells</i> , 2020, 9, 409.	1.8	12
84	Isolation and Characterization of Wear Debris Generated in Patients Wearing Polyethylene Hylamer Inserts, Gamma Irradiated in Air. <i>Journal of Biomaterials Applications</i> , 2005, 20, 103-121.	1.2	11
85	Localization of the laminin $\beta 2$ chain in normal human skeletal muscle and peripheral nerve: an ultrastructural immunolabeling study. <i>Acta Neuropathologica</i> , 1997, 93, 166-172.	3.9	9
86	Immunocytochemistry of nuclear domains and Emery-Dreifuss muscular dystrophy pathophysiology. <i>European Journal of Histochemistry</i> , 2003, 47, 3.	0.6	9
87	Emerin Phosphorylation during the Early Phase of the Oxidative Stress Response Influences Emerin's BAF Interaction and BAF Nuclear Localization. <i>Cells</i> , 2020, 9, 1415.	1.8	9
88	Ultrastructural changes in muscle cells of patients with collagen VI-related myopathies. <i>Muscles, Ligaments and Tendons Journal</i> , 2013, 3, 281-6.	0.1	9
89	Image analysis of the chromatin organization in the nuclear domains of freeze fractured hepatocytes and lymphocytes. <i>Biology of the Cell</i> , 1990, 70, 107-119.	0.7	8
90	Nuclear matrix involvement in sperm head structural organization. <i>Biology of the Cell</i> , 1994, 81, 47-57.	0.7	8

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91	Emerin increase in regenerating muscle fibers. <i>European Journal of Histochemistry</i> , 2005, 49, 355.	0.6	8
92	A Case Report of Fracture of Ceramic Head in Total Hip Arthroplasty: Histological and Biochemical Features of Perimplant Tissues. <i>International Journal of Artificial Organs</i> , 2006, 29, 800-808.	0.7	8
93	Prelamin A processing and heterochromatin dynamics in laminopathies. <i>Advances in Enzyme Regulation</i> , 2007, 47, 154-167.	2.9	7
94	Muscular laminopathies: Role of prelamin A in early steps of muscle differentiation. <i>Advances in Enzyme Regulation</i> , 2011, 51, 246-256.	2.9	7
95	At the nucleus of the problem: nuclear proteins and disease. <i>Advances in Enzyme Regulation</i> , 2003, 43, 411-443.	2.9	5
96	Ceramic Debris in Hip Prosthesis: Correlation Between Synovial Fluid and Joint Capsule. <i>Journal of Arthroplasty</i> , 2013, 28, 838-841.	1.5	5
97	Reduction of background labeling in colloidal gold-enzyme reactions. <i>Histochemistry</i> , 1990, 94, 297-301.	1.9	4
98	Implications for nuclear organization and gene transcription of lamin A/C specific mutations. <i>Advances in Enzyme Regulation</i> , 2005, 45, 1-16.	2.9	4
99	The effect of gentamicin sulphate on the fracture properties of a manually mixed bone cement. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2007, 30, 479-488.	1.7	4
100	Morphometric Study of Chromatin Pattern in Freeze-Fractured Rat Liver Nuclei during Malignancy Evolution. <i>Pathology Research and Practice</i> , 1989, 185, 769-773.	1.0	3
101	[12] Chromosome spread for confocal microscopy. <i>Methods in Enzymology</i> , 1999, 307, 190-207.	0.4	1
102	Considerations on ceramic prosthesis explants. <i>La Chirurgia Degli Organi Di Movimento</i> , 1992, 77, 359-71.	0.2	1
103	Image analysis techniques. The problem of the quantitative evaluation of the chromatin ultrastructure. <i>Cytotechnology</i> , 1991, 5, 107-110.	0.7	0
104	Chronic viral hepatitis and interferon treatment: clinical experience in a series of 200 Italian patients. <i>Journal of Chemotherapy</i> , 1998, 10, 173-175.	0.7	0
105	EM.P.4.07 Autosomal recessive Bethlem myopathy. <i>Neuromuscular Disorders</i> , 2009, 19, 608-609.	0.3	0
106	P2.7 Collagen VI alpha5 and alpha6 chains expression in human muscle. <i>Neuromuscular Disorders</i> , 2011, 21, 662-663.	0.3	0
107	Mitochondrial Pathogenesis of Myopathies Due to Collagen VI Mutations. , 2007, , 133-144.		0
108	Severe wear from retrieved alumina-on-alumina coupled implant: a case report. <i>International Journal of Artificial Organs</i> , 2001, 24, 655-62.	0.7	0