Daniela Quaglino

List of Publications by Year in descending order

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76326 85541 5,813 131 40 71 citations h-index g-index papers 133 133 133 8305 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Regeneration of the entire human epidermis using transgenic stem cells. Nature, 2017, 551, 327-332.	27.8	544
2	Mutations in a gene encoding an ABC transporter cause pseudoxanthoma elasticum. Nature Genetics, 2000, 25, 223-227.	21.4	512
3	Flavivirus NS4A-induced Autophagy Protects Cells against Death and Enhances Virus Replication. Journal of Biological Chemistry, 2011, 286, 22147-22159.	3.4	228
4	Delayed internucleosomal DNA fragmentation in programmed cell death. FASEB Journal, 1993, 7, 470-478.	0.5	216
5	Altered bioenergetics and mitochondrial dysfunction of monocytes in patients with COVIDâ€19 pneumonia. EMBO Molecular Medicine, 2020, 12, e13001.	6.9	133
6	Ascorbate Differentially Regulates Elastin and Collagen Biosynthesis in Vascular Smooth Muscle Cells and Skin Fibroblasts by Pretranslational Mechanisms. Journal of Biological Chemistry, 1997, 272, 345-352.	3.4	124
7	Long-Term Stability and Safety of Transgenic Cultured Epidermal Stem Cells in Gene Therapy of Junctional Epidermolysis Bullosa. Stem Cell Reports, 2014, 2, 1-8.	4.8	124
8	Hyaluronan–Phospholipid Interactions. Journal of Structural Biology, 1997, 120, 1-10.	2.8	106
9	Apoptotic Cell Death in the Mouse Limb and Its Suppression in the Hammertoe Mutant. Developmental Biology, 1994, 165, 294-297.	2.0	98
10	Matrix Gla protein is involved in elastic fiber calcification in the dermis of pseudoxanthoma elasticum patients. Laboratory Investigation, 2007, 87, 998-1008.	3.7	96
11	Duodenal ferritin synthesis in genetic hemochromatosis. Gastroenterology, 1995, 108, 208-217.	1.3	95
12	Supramolecular Amyloid-like Assembly of the Polypeptide Sequence Coded by Exon 30 of Human Tropoelastin. Journal of Biological Chemistry, 2005, 280, 2682-2690.	3.4	93
13	Role of the extracellular matrix in age-related modifications of the rat aorta. Ultrastructural, morphometric, and enzymatic evaluations Arteriosclerosis and Thrombosis: A Journal of Vascular Biology, 1992, 12, 1008-1016.	3.9	86
14	Earthworm Leukocytes That Are Not Phagocytic and Cross-React with Several Human Epitopes Can Kill Human Tumor Cell Lines. Experimental Cell Research, 1996, 224, 174-182.	2.6	85
15	Oxidative stress in fibroblasts from patients with pseudoxanthoma elasticum: possible role in the pathogenesis of clinical manifestations. Journal of Pathology, 2006, 208, 54-61.	4.5	85
16	Endogenous Calcification Inhibitors in the Prevention of Vascular Calcification: A Consensus Statement From the COST Action EuroSoftCalcNet. Frontiers in Cardiovascular Medicine, 2018, 5, 196.	2.4	82
17	Lysyl oxidase activity and elastin/glycosaminoglycan interactions in growing chick and rat aortas Journal of Cell Biology, 1987, 105, 1463-1469.	5.2	81
18	Hyaluronan affects protein and collagen synthesis by in vitro human skin fibroblasts. Tissue and Cell, 2001, 33, 326-331.	2.2	79

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19	Characterization of pseudoxanthoma elasticum-like lesions in the skin of patients with ?-thalassemia. Journal of the American Academy of Dermatology, 2001, 44, 33-39.	1.2	77
20	Extracutaneous Ultrastructural Alterations in Pseudoxanthoma Elasticum. Ultrastructural Pathology, 2003, 27, 375-384.	0.9	77
21	A long-term study on female mice fed on a genetically modified soybean: effects on liver ageing. Histochemistry and Cell Biology, 2008, 130, 967-977.	1.7	77
22	Abnormal phenotype of in vitro dermal fibroblasts from patients with pseudoxanthoma elasticum (PXE). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1501, 51-62.	3.8	76
23	Low serum vitamin K in PXE results in defective carboxylation of mineralization inhibitors similar to the GGCX mutations in the PXE-like syndrome. Laboratory Investigation, 2010, 90, 895-905.	3.7	72
24	Elastin Haploinsufficiency Induces Alternative Aging Processes in the Aorta. Rejuvenation Research, 2008, 11, 97-112.	1.8	71
25	Silencing of mitochondrial Lon protease deeply impairs mitochondrial proteome and function in colon cancer cells. FASEB Journal, 2014, 28, 5122-5135.	0.5	69
26	Proteome analysis of dermal fibroblasts cultured <i>in vitro</i> from human healthy subjects of different ages. Proteomics, 2003, 3, 917-929.	2.2	65
27	Dissection of human tropoelastin: Supramolecular organization of polypeptide sequences coded by particular exons. Matrix Biology, 2005, 24, 96-109.	3.6	64
28	ABCC6 mutations in Italian families affected by pseudoxanthoma elasticum (PXE). Human Mutation, 2004, 24, 438-439.	2.5	61
29	Autogeneic but Not Allogeneic Earthworm Effector Coelomocytes Kill the Mammalian Tumor Cell Target K562. Cellular Immunology, 1995, 166, 113-122.	3.0	58
30	bis-Dehydroxy-Curcumin Triggers Mitochondrial-Associated Cell Death in Human Colon Cancer Cells through ER-Stress Induced Autophagy. PLoS ONE, 2013, 8, e53664.	2.5	56
31	Heparan sulphate interacts with tropoelastin, with some tropoelastin peptides and is present in human dermis elastic fibers. Matrix Biology, 2005, 24, 15-25.	3.6	53
32	Impact of Candida albicans hyphal wall protein 1 (HWP1) genotype on biofilm production and fungal susceptibility to microglial cells. Microbial Pathogenesis, 2014, 69-70, 20-27.	2.9	53
33	Elastin Production and Degradation in Cutis Laxa Acquisita. Journal of Investigative Dermatology, 1994, 103, 583-588.	0.7	51
34	Cell death in the rat thymus: a minireview., 2001, 6, 389-401.		49
35	Fibroblast involvement in soft connective tissue calcification. Frontiers in Genetics, 2013, 4, 22.	2.3	49
36	Parameters of oxidative stress are present in the circulation of PXE patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 474-481.	3.8	46

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37	Fibrillinâ€1 genetic deficiency leads to pathological ageing of arteries in mice. Journal of Pathology, 2011, 224, 33-44.	4.5	46
38	Denervation-induced proliferative changes of triads in rabbit skeletal muscle. Muscle and Nerve, 1988, 11, 1246-1259.	2.2	43
39	Fibroblasts from patients affected by Pseudoxanthoma elasticum exhibit an altered PPi metabolism and are more responsive to pro-calcifying stimuli. Journal of Dermatological Science, 2014, 74, 72-80.	1.9	43
40	Mitochondrial Mass and Membrane Potential in Celomocytes from the Earthworm Eisenia foetida: Studies with Fluorescent Probes in Single Intact Cells. Biochemical and Biophysical Research Communications, 1995, 214, 503-510.	2.1	41
41	Dermal fibroblasts from pseudoxanthoma elasticum patients have raised MMP-2 degradative potential. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1741, 42-47.	3.8	41
42	Comparison of ex vivo and in vitro human fibroblast ageing models. Mechanisms of Ageing and Development, 2010, 131, 625-635.	4.6	41
43	Extracellular Matrix Modifications in Rat Tissues of Different Ages. Matrix Biology, 1993, 13, 481-490.	1.7	40
44	Effects of metabolites and analogs of amiodarone on alveolar macrophages: structure-activity relationship. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L438-L447.	2.9	39
45	Resistance of mtDNAâ€depleted cells to apoptosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 528-537.	1.5	38
46	Transforming growth factor-beta reverses a posttranscriptional defect in elastin synthesis in a cutis laxa skin fibroblast strain Journal of Clinical Investigation, 1995, 95, 986-994.	8.2	38
47	Fibroblast protein profile analysis highlights the role of oxidative stress and vitamin K recycling in the pathogenesis of pseudoxanthoma elasticum. Proteomics - Clinical Applications, 2009, 3, 1084-1098.	1.6	37
48	Hyaluronic Acid by Atomic Force Microscopy. Journal of Structural Biology, 1999, 126, 52-58.	2.8	36
49	Matrix Gla Protein and Alkaline Phosphatase Are Differently Modulated in Human Dermal Fibroblasts from PXE Patients and Controls. Journal of Investigative Dermatology, 2013, 133, 946-954.	0.7	36
50	Study of elastic fiber organization by scanning force microscopy. Matrix Biology, 1998, 17, 75-83.	3.6	35
51	Multidrug resistance protein-6 (MRP6) in human dermal fibroblasts. Comparison between cells from normal subjects and from Pseudoxanthoma elasticum patients. Matrix Biology, 2003, 22, 491-500.	3.6	35
52	Cell–matrix interactions of in vitro human skin fibroblasts upon addition of hyaluronan. Tissue and Cell, 2003, 35, 37-45.	2.2	34
53	Metabolic reprograming shapes neutrophil functions in severe COVIDâ€19. European Journal of Immunology, 2022, 52, 484-502.	2.9	34
54	Age-dependent remodeling of rat thymus. Morphological and cytofluorimetric analysis from birth up to one year of age. European Journal of Cell Biology, 1998, 76, 156-166.	3.6	33

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55	Amiodarone inhibits lung degradation of SP-A and perturbs the distribution of lysosomal enzymes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L1189-L1199.	2.9	33
56	Structure and composition of the elastin fibre in normal and pathological conditions. Micron, 1993, 24, 75-89.	2.2	32
57	The biology of vascular calcification. International Review of Cell and Molecular Biology, 2020, 354, 261-353.	3.2	32
58	Protein synthesis, DNA degradation, and morphological changes during programmed cell death in labial glands of Manduca sexta., 1997, 21, 249-257.		31
59	<i>In vitro</i> differentiation of human amniotic epithelial cells into insulin-producing 3D spheroids. International Journal of Immunopathology and Pharmacology, 2015, 28, 390-402.	2.1	31
60	Histology-directed and imaging mass spectrometry: An emerging technology in ectopic calcification. Bone, 2015, 74, 83-94.	2.9	30
61	EMPERIPOLESIS OF GRANULOCYTES WITHIN MEGAKARYOCYTES. British Journal of Haematology, 1985, 60, 384-386.	2.5	29
62	Hypoxia influences the cellular cross-talk of human dermal fibroblasts. A proteomic approach. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1402-1413.	2.3	29
63	Structural characterization and biological properties of the amyloidogenic elastin-like peptide (VGGVG)3. Matrix Biology, 2014, 36, 15-27.	3.6	29
64	Extracutaneous ultrastructural alterations in pseudoxanthoma elasticum. Ultrastructural Pathology, 2003, 27, 375-84.	0.9	29
65	The Effect of Caloric Restriction on the Aortic Tissue of Aging Rats. Connective Tissue Research, 1999, 40, 131-143.	2.3	28
66	Reversal of the wound healing deficit in diabetic rats by combined basic fibroblast growth factor and transforming growth factor-beta1 therapy. Wound Repair and Regeneration, 1997, 5, 77-88.	3.0	26
67	A cytofluorimetric study of T lymphocyte subsets in rat lymphoid tissues (thymus, lymph nodes) and peripheral blood: a continuous remodelling during the first year of life. Experimental Gerontology, 2000, 35, 613-625.	2.8	26
68	Apoptosis-resistant phenotype in HL-60-derived cells HCW-2 is related to changes in expression of stress-induced proteins that impact on redox status and mitochondrial metabolism. Cell Death and Differentiation, 2003, 10, 163-174.	11.2	26
69	Apoptosis in the Extraosseous Calcification Process. Cells, 2021, 10, 131.	4.1	25
70	Increased levels of clusterin mRNA in the ventral prostate of the aging rat are associated to increases in cuboidal (atrophic) cell population and not to changes in apoptotic activity. Biochemistry and Cell Biology, 1994, 72, 515-521.	2.0	24
71	Normal human dermal fibroblasts: Proteomic analysis of cell layer and culture medium. Electrophoresis, 2003, 24, 1292-1310.	2.4	24
72	Hyaluronan uptake by adult human skin fibroblasts in vitro. European Journal of Histochemistry, 2003, 47, 63.	1.5	24

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73	Rare Co-occurrence of Beta-Thalassemia and Pseudoxanthoma elasticum: Novel Biomolecular Findings. Frontiers in Medicine, 2020, 6, 322.	2.6	24
74	The mineralization process of insoluble elastin fibrillar structures: lonic environment vs degradation. International Journal of Biological Macromolecules, 2020, 149, 693-706.	7.5	24
75	Programmed cell death in the tobacco hornworm, Manduca sexta: Alteration in protein synthesis. Microscopy Research and Technique, 1996, 34, 192-201.	2.2	22
76	Changes in Dermal Fibroblasts from Abcc6 $\hat{a}^{\prime\prime}/\hat{a}^{\prime\prime}$ Mice Are Present before and after the Onset of Ectopic Tissue Mineralization. Journal of Investigative Dermatology, 2014, 134, 1855-1861.	0.7	22
77	Postnatal transformations of alveolar surfactant in the rabbit: changes in pool size, pool morphology and isoforms of the 32–38 kDa apolipoprotein. Lipids and Lipid Metabolism, 1988, 958, 255-267.	2.6	21
78	N1,N12-bis(ethyl)spermine effect on growth ofcis-diamminedichloroplatinum(II)-sensitive and -resistant human ovarian-carcinoma cell lines., 1998, 78, 33-40.		21
79	The effect of serum withdrawal on the protein profile of quiescent human dermal fibroblasts in primary cell culture. Proteomics, 2008, 8, 66-82.	2.2	21
80	Cyclin dependent kinase 5 and its interacting proteins in cell death induced in vivo by cyclophosphamide in developing mouse embryos. Cell Death and Differentiation, 2002, 9, 421-430.	11.2	20
81	Retinitis Pigmentosa, Cutis Laxa, and Pseudoxanthoma Elasticum–Like Skin Manifestations Associated with GGCX Mutations. Journal of Investigative Dermatology, 2014, 134, 2331-2338.	0.7	20
82	Eosinophils, but not neutrophils, exhibit an efficient DNA repair machinery and high nucleolar activity. Haematologica, 2007, 92, 1311-1318.	3.5	18
83	Age-Related Changes in the Matrisome of the Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2021, 22, 10564.	4.1	18
84	The Placenta in Pseudoxanthoma Elasticum: Clinical, Structural and Immunochemical Study. Placenta, 2001, 22, 580-590.	1.5	17
85	Scanning electron microscopy of thinned specimens: From multilayers to biological samples. Applied Physics Letters, 2007, 90, 163113.	3.3	17
86	Exon 26-coded polypeptide: An isolated hydrophobic domain of human tropoelastin able to self-assemble in vitro. Matrix Biology, 2008, 27, 441-450.	3.6	16
87	Ectopic calcification in \hat{I}^2 -thalassemia patients is associated with increased oxidative stress and lower MGP carboxylation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2077-2084.	3.8	16
88	The lack of Pneumococcal surface protein C (PspC) increases the susceptibility of Streptococcus pneumoniae to the killing by microglia. Medical Microbiology and Immunology, 2006, 195, 21-28.	4.8	15
89	Can APOE and MTHFR polymorphisms have an influence on the severity of cardiovascular manifestations in Italian Pseudoxanthoma elasticum affected patients?. Molecular Genetics and Metabolism Reports, 2014, 1, 477-482.	1.1	15
90	Heparan sulfates facilitate harmless amyloidogenic fibril formation interacting with elastin-like peptides. Scientific Reports, 2018, 8, 3115.	3.3	15

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91	Exome sequencing and bioinformatic approaches reveals rare sequence variants involved in cell signalling and elastic fibre homeostasis: new evidence in the development of ectopic calcification. Cellular Signalling, 2019, 59, 131-140.	3.6	15
92	Peripapillary comet lesions and comet rain in PXE-related retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 1605-1614.	1.9	14
93	Signaling pathways in elastic tissues. Cellular Signalling, 2019, 63, 109364.	3.6	14
94	Alterations of Elastin Fibrogenesis by Inhibition of the Formation of Desmosine Crosslinks. Comparison Between the Effect of Beta-Aminopropionitrile (\hat{l}^2 -APN) and Penicillamine. Connective Tissue Research, 1985, 14, 159-167.	2.3	13
95	Cell behavior and cell-matrix interactions of human palmar aponeurotic cells in vitro. Journal of Cellular Physiology, 1997, 173, 415-422.	4.1	13
96	The Effect on Rat Thymocytes of the Simultaneous In Vivo Exposure to 50-Hz Electric and Magnetic Field and to Continuous Light. Scientific World Journal, The, 2004, 4, 91-99.	2.1	12
97	Pseudoxanthoma elasticum and familial hypercholesterolemia: A deleterious combination of cardiovascular risk factors. Atherosclerosis, 2010, 210, 173-176.	0.8	12
98	Relationship Between Mitochondrial Structure and Bioenergetics in Pseudoxanthoma elasticum Dermal Fibroblasts. Frontiers in Cell and Developmental Biology, 2020, 8, 610266.	3.7	12
99	Modulation of Cell Death in the Rat Thymus: Light and Electron Microscopic Investigations. Annals of the New York Academy of Sciences, 2006, 926, 79-82.	3.8	11
100	Heparan Sulfate Affects Elastin Deposition in Fibroblasts Cultured from Donors of Different Ages. Rejuvenation Research, 2012, 15, 22-31.	1.8	11
101	Mineralization by mesenchymal stromal cells is variously modulated depending on commercial platelet lysate preparations. Cytotherapy, 2018, 20, 335-342.	0.7	11
102	Coquille d'oeuf in young patients affected with Pseudoxantoma elasticum. Ophthalmic Genetics, 2019, 40, 242-246.	1.2	11
103	Innovative Flow Cytometry Allows Accurate Identification of Rare Circulating Cells Involved in Endothelial Dysfunction. PLoS ONE, 2016, 11, e0160153.	2.5	11
104	Domains 12 to 16 of tropoelastin promote cell attachment and spreading through interactions with glycosaminoglycan and integrins alphaV and alpha5beta1. FEBS Journal, 2021, 288, 4024-4038.	4.7	10
105	New insights into autophagic cell death in the gypsy moth Lymantria dispar: a proteomic approach. Cell and Tissue Research, 2009, 336, 107-118.	2.9	9
106	Donor's age and replicative senescence favour the in-vitro mineralization potential of human fibroblasts. Experimental Gerontology, 2015, 72, 218-226.	2.8	8
107	Phenotypic Features and Genetic Findings in a Cohort of Italian Pseudoxanthoma Elasticum Patients and Update of the Ophthalmologic Evaluation Score. Journal of Clinical Medicine, 2021, 10, 2710.	2.4	8
108	Pattern dystrophy-like changes and coquille d'oeuf atrophy in elderly patients affected by pseudoxanthoma elasticum. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 1881-1892.	1.9	7

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109	Post-infectious acute ataxia and facial diplegia associated with anti-GD1a IgG antibody. European Journal of Neurology, 2004, 11, 790-791.	3.3	6
110	Identification of mineralized elastic fibers on wet samples by SEM. Microscopy Research and Technique, 2005, 67, 296-299.	2.2	6
111	Biocompatibility of Collagen Membranes Assessed by Culturing Human J111 Macrophage Cells. Materials, 2009, 2, 945-957.	2.9	6
112	Magnesium Modifies the Structural Features of Enzymatically Mineralized Collagen Gels Affecting the Retraction Capabilities of Human Dermal Fibroblasts Embedded within This 3D System. Materials, 2016, 9, 477.	2.9	6
113	The Effects of Parenteral K1 Administration in Pseudoxanthoma Elasticum Patients Versus Controls. A Pilot Study. Frontiers in Medicine, 2018, 5, 86.	2.6	6
114	Inhibition of the DNA Damage Response Attenuates Ectopic Calcification in Pseudoxanthoma Elasticum. Journal of Investigative Dermatology, 2022, 142, 2140-2148.e1.	0.7	6
115	DL-penicillamine induced alteration of elastic fibers of periosteum-perichondrium and associated growth inhibition: an experimental study. Journal of Orthopaedic Research, 2001, 19, 398-404.	2.3	5
116	Interactions between elastin-like peptides and an insulating poly(ortho-aminophenol) membrane investigated by AFM and XPS. Analytical and Bioanalytical Chemistry, 2018, 410, 4925-4941.	3.7	5
117	The "Elastic Perspective―of SARS-CoV-2 Infection and the Role of Intrinsic and Extrinsic Factors. International Journal of Molecular Sciences, 2022, 23, 1559.	4.1	5
118	The Multifaceted Complexity of Genetic Diseases: A Lesson from Pseudoxanthoma Elasticum. , 2011, , .		4
119	Adaptive Optics Imaging in Patients Affected by Pseudoxanthoma Elasticum. American Journal of Ophthalmology, 2021, 224, 84-95.	3.3	4
120	Dermal Alterations in Clinically Unaffected Skin of Pseudoxanthoma elasticum Patients. Journal of Clinical Medicine, 2021, 10, 500.	2.4	4
121	In chyloptysis, SP-A affects the clearance of serum lipoproteins entering the airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L737-L749.	2.9	3
122	Thymic Maturation and Programmed Cell Death. , 2014, , 105-124.		3
123	Mitochondrial oculoskeletal myopathy: case report. Italian Journal of Neurological Sciences, 1988, 9, 385-389.	0.1	1
124	Morphology and Chemical Composition of Connective Tissue: The Cardiovascular System., 0,, 121-144.		1
125	Intraretinal hyperreflective foci in PXE-related retinopathy with acquired vitelliform lesions: a long-term follow-up. Ophthalmic Genetics, 2019, 40, 385-387.	1.2	1
126	A Case Report of Pseudoxanthoma elasticum with Rare Sequence Variants in Genes Related to Inherited Retinal Diseases. Diagnostics, 2021, 11, 1800.	2.6	1

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127	The Protein Profile of Fibroblasts: The Role of Proteomics. Current Proteomics, 2004, 1, 167-178.	0.3	1
128	Thymus as a Possible Target of 50 Hz Electric and Magnetic Fields. , 1999, , 195-198.		1
129	From Clinical Diagnosis to the Discovery of Multigene Rare Sequence Variants in Pseudoxanthoma elasticum: A Case Report. Frontiers in Medicine, 2021, 8, 726856.	2.6	O
130	Elastin and Elastin-Based Polymers. , 2009, , 249-274.		0
131	Oxidative stress is a key regulator of ectopic calcifications in betaâ€thalassemic patients. FASEB Journal, 2013, 27, lb476.	0.5	0