

Florence Ruggiero

List of Publications by Year in descending order

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78
papers

4,469
citations

81839

39
h-index

110317

64
g-index

83
all docs

83
docs citations

83
times ranked

5837
citing authors

#	ARTICLE	IF	CITATIONS
1	The collagen superfamily: from the extracellular matrix to the cell membrane. <i>Pathologie Et Biologie</i> , 2005, 53, 430-442.	2.2	297
2	Laminin 5 Binds the NC-1 Domain of Type VII Collagen. <i>Journal of Cell Biology</i> , 1997, 138, 719-728.	2.3	235
3	EGR1 and EGR2 Involvement in Vertebrate Tendon Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 5855-5867.	1.6	178
4	Another look at collagen V and XI molecules. <i>Matrix Biology</i> , 1995, 14, 515-531.	1.5	173
5	Lysyl oxidase-like protein-2 regulates sprouting angiogenesis and type IV collagen assembly in the endothelial basement membrane. <i>Blood</i> , 2011, 118, 3979-3989.	0.6	173
6	Orthogonal scaffold of magnetically aligned collagen lamellae for corneal stroma reconstruction. <i>Biomaterials</i> , 2007, 28, 4268-4276.	5.7	171
7	Transcriptomic analysis of mouse limb tendon cells during development. <i>Development (Cambridge)</i> , 2014, 141, 3683-3696.	1.2	152
8	The Membrane-spanning Proteoglycan NG2 Binds to Collagens V and VI through the Central Nonglobular Domain of Its Core Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 10769-10776.	1.6	144
9	Discoidin Domain Receptor 1 Is Activated Independently of β 1 Integrin. <i>Journal of Biological Chemistry</i> , 2000, 275, 5779-5784.	1.6	134
10	Knockdown of <i>col22a1</i> gene in zebrafish induces a muscular dystrophy by disruption of the myotendinous junction. <i>Development (Cambridge)</i> , 2013, 140, 4602-4613.	1.2	100
11	Domains and Maturation Processes That Regulate the Activity of ADAMTS-2, a Metalloproteinase Cleaving the Aminopeptide of Fibrillar Procollagens Types III and V. <i>Journal of Biological Chemistry</i> , 2005, 280, 34397-34408.	1.6	98
12	CCM1-ICAP-1 complex controls β 1 integrin-dependent endothelial contractility and fibronectin remodeling. <i>Journal of Cell Biology</i> , 2013, 202, 545-561.	2.3	93
13	Substrate-specific Modulation of a Multisubstrate Proteinase. <i>Journal of Biological Chemistry</i> , 2005, 280, 24188-24194.	1.6	90
14	Molecular Interplay between Endostatin, Integrins, and Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 22029-22040.	1.6	89
15	Unhydroxylated Triple Helical Collagen I Produced in Transgenic Plants Provides New Clues on the Role of Hydroxyproline in Collagen Folding and Fibril Formation. <i>Journal of Biological Chemistry</i> , 2001, 276, 43693-43698.	1.6	82
16	Ex vivo multiscale quantitation of skin biomechanics in wild-type and genetically-modified mice using multiphoton microscopy. <i>Scientific Reports</i> , 2015, 5, 17635.	1.6	80
17	Human Recombinant β 1(V) Collagen Chain. <i>Journal of Biological Chemistry</i> , 1997, 272, 30083-30087.	1.6	78
18	The development of the myotendinous junction. A review. <i>Muscles, Ligaments and Tendons Journal</i> , 2012, 2, 53-63.	0.1	76

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19	Use of magnetically oriented orthogonal collagen scaffolds for hemi-corneal reconstruction and regeneration. <i>Biomaterials</i> , 2010, 31, 8313-8322.	5.7	73
20	Silibinin inhibits hepatitis C virus entry into hepatocytes by hindering clathrin-dependent trafficking. <i>Cellular Microbiology</i> , 2013, 15, n/a-n/a.	1.1	73
21	Companion Blood Cells Control Ovarian Stem Cell Niche Microenvironment and Homeostasis. <i>Cell Reports</i> , 2015, 13, 546-560.	2.9	69
22	Development of a Functional Skin Matrix Requires Deposition of Collagen V Heterotrimers. <i>Molecular and Cellular Biology</i> , 2004, 24, 6049-6057.	1.1	67
23	Control of Heterotypic Fibril Formation by Collagen V Is Determined by Chain Stoichiometry. <i>Journal of Biological Chemistry</i> , 2001, 276, 24352-24359.	1.6	60
24	The in-silico zebrafish matrisome: A new tool to study extracellular matrix gene and protein functions. <i>Matrix Biology</i> , 2018, 65, 5-13.	1.5	60
25	The Collagen Superfamily. <i>Topics in Current Chemistry</i> , 0, , 35-84.	4.0	59
26	Interactions between Cells and Collagen V Molecules or Single Chains Involve Distinct Mechanisms. <i>Experimental Cell Research</i> , 1994, 210, 215-223.	1.2	58
27	Zebrafish collagen XII is present in embryonic connective tissue sheaths (fascia) and basement membranes. <i>Matrix Biology</i> , 2009, 28, 32-43.	1.5	58
28	Development of the zebrafish myoseptum with emphasis on the myotendinous junction. <i>Cell and Tissue Research</i> , 2011, 346, 439-449.	1.5	56
29	Collagen XV, a novel factor in zebrafish notochord differentiation and muscle development. <i>Developmental Biology</i> , 2008, 316, 21-35.	0.9	55
30	FGF-2 promotes angiogenesis through a SRSF1/SRSF3/SRPK1-dependent axis that controls VEGFR1 splicing in endothelial cells. <i>BMC Biology</i> , 2021, 19, 173.	1.7	53
31	Bone morphogenetic protein signaling promotes morphogenesis of blood vessels, wound epidermis, and actinotrichia during fin regeneration in zebrafish. <i>FASEB Journal</i> , 2015, 29, 4299-4312.	0.2	52
32	Molecular Features of the Collagen V Heparin Binding Site. <i>Journal of Biological Chemistry</i> , 1998, 273, 15069-15076.	1.6	51
33	Procollagen C-proteinase Enhancer Stimulates Procollagen Processing by Binding to the C-propeptide Region Only. <i>Journal of Biological Chemistry</i> , 2011, 286, 38932-38938.	1.6	51
34	Identification of binding partners interacting with the ± 1 -N-propeptide of type V collagen. <i>Biochemical Journal</i> , 2011, 433, 371-381.	1.7	49
35	A novel microstructural interpretation for the biomechanics of mouse skin derived from multiscale characterization. <i>Acta Biomaterialia</i> , 2017, 50, 302-311.	4.1	49
36	Dual polarization interferometry characterization of carbohydrate-protein interactions. <i>Analytical Biochemistry</i> , 2006, 352, 252-259.	1.1	45

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37	Making recombinant extracellular matrix proteins. <i>Methods</i> , 2008, 45, 75-85.	1.9	45
38	Structure of the Epstein-Barr Virus Oncogene BARF1. <i>Journal of Molecular Biology</i> , 2006, 359, 667-678.	2.0	43
39	Recombinant Human Collagen XV Regulates Cell Adhesion and Migration. <i>Journal of Biological Chemistry</i> , 2010, 285, 5258-5265.	1.6	43
40	How aging impacts skin biomechanics: a multiscale study in mice. <i>Scientific Reports</i> , 2017, 7, 13750.	1.6	43
41	A comprehensive study of the spatial and temporal expression of the col5a1 gene in mouse embryos: a clue for understanding collagen V function in developing connective tissues. <i>Cell and Tissue Research</i> , 2006, 327, 323-332.	1.5	42
42	Structural Requirements for Heparin/Heparan Sulfate Binding to Type V Collagen. <i>Journal of Biological Chemistry</i> , 2006, 281, 25195-25204.	1.6	39
43	Bone Morphogenetic Protein-1 (BMP-1) Mediates C-terminal Processing of Procollagen V Homotrimer. <i>Journal of Biological Chemistry</i> , 2001, 276, 27051-27057.	1.6	36
44	Craniofacial cartilage morphogenesis requires zebrafish col11a1 activity. <i>Matrix Biology</i> , 2009, 28, 490-502.	1.5	36
45	Slow Muscle Precursors Lay Down a Collagen XV Matrix Fingerprint to Guide Motor Axon Navigation. <i>Journal of Neuroscience</i> , 2016, 36, 2663-2676.	1.7	36
46	Human Dermal Fibroblast Subpopulations Display Distinct Gene Signatures Related to Cell Behaviors and Matrisome. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1787-1789.	0.3	36
47	Fishing for collagen function: About development, regeneration and disease. <i>Seminars in Cell and Developmental Biology</i> , 2019, 89, 100-108.	2.3	35
48	In Vivo Evidence for a Bridging Role of a Collagen V Subtype at the Epidermis-Dermis Interface. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1841-1849.	0.3	33
49	Hepatitis C virus infection propagates through interactions between Syndecan-1 and CD81 and impacts the hepatocyte glycocalyx. <i>Cellular Microbiology</i> , 2017, 19, e12711.	1.1	31
50	Monitoring dynamic collagen reorganization during skin stretching with fast polarization-resolved second harmonic generation imaging. <i>Journal of Biophotonics</i> , 2019, 12, e201800336.	1.1	31
51	Sizzled Is Unique among Secreted Frizzled-related Proteins for Its Ability to Specifically Inhibit Bone Morphogenetic Protein-1 (BMP-1)/Tolloid-like Proteinases. <i>Journal of Biological Chemistry</i> , 2012, 287, 33581-33593.	1.6	30
52	Estrogens Induce Rapid Cytoskeleton Re-Organization in Human Dermal Fibroblasts via the Non-Classical Receptor GPR30. <i>PLoS ONE</i> , 2015, 10, e0120672.	1.1	30
53	Low Resolution Structure Determination Shows Procollagen C-Proteinase Enhancer to be an Elongated Multidomain Glycoprotein. <i>Journal of Biological Chemistry</i> , 2003, 278, 7199-7205.	1.6	29
54	Collagen XV, a multifaceted multiplexin present across tissues and species. <i>Matrix Biology Plus</i> , 2020, 6-7, 100023.	1.9	29

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55	Gene profile of zebrafish fin regeneration offers clues to kinetics, organization and biomechanics of basement membrane. <i>Matrix Biology</i> , 2019, 75-76, 82-101.	1.5	27
56	Unraveling the Amino Acid Sequence Crucial for Heparin Binding to Collagen V. <i>Journal of Biological Chemistry</i> , 2000, 275, 29377-29382.	1.6	26
57	Zebrafish Collagen XIV Is Transiently Expressed in Epithelia and Is Required for Proper Function of Certain Basement Membranes. <i>Journal of Biological Chemistry</i> , 2013, 288, 6777-6787.	1.6	26
58	Collagen XXII binds to collagen-binding integrins via the novel motifs GLQGER and GFKGER. <i>Biochemical Journal</i> , 2014, 459, 217-227.	1.7	26
59	A TALEN-Exon Skipping Design for a Bethlem Myopathy Model in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0133986.	1.1	23
60	The Signal Peptide of Staphylococcus aureus Panton Valentine Leukocidin LukS Component Mediates Increased Adhesion to Heparan Sulfates. <i>PLoS ONE</i> , 2009, 4, e5042.	1.1	23
61	Scavenger Receptor Cysteine-Rich domains of Lysyl Oxidase-Like2 regulate endothelial ECM and angiogenesis through non-catalytic scaffolding mechanisms. <i>Matrix Biology</i> , 2020, 88, 33-52.	1.5	20
62	Enzymatic cleavage specificity of the pro α 1(V) chain processing analysed by site-directed mutagenesis. <i>Biochemical Journal</i> , 2007, 405, 299-306.	1.7	19
63	Characterization of spatial and temporal expression pattern of Col15a1b during zebrafish development. <i>Gene Expression Patterns</i> , 2011, 11, 129-134.	0.3	15
64	Spatio-temporal expression and distribution of collagen VI during zebrafish development. <i>Scientific Reports</i> , 2019, 9, 19851.	1.6	13
65	Design of PEGylated Three Ligands Silica Nanoparticles for Multi-Receptor Targeting. <i>Nanomaterials</i> , 2021, 11, 177.	1.9	13
66	A dynamic and mosaic basement membrane controls cell intercalation in <i>Drosophila</i> ovaries. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	13
67	A collagen V α 1-derived fragment inhibits FGF-2 induced-angiogenesis by modulating endothelial cells plasticity through its heparin-binding site. <i>Matrix Biology</i> , 2020, 94, 18-30.	1.5	12
68	The Collagen V Homotrimer $[\alpha$ 1(V)] ₃ Production Is Unexpectedly Favored over the Heterotrimer $[\alpha$ 1(V)] ₂ α 2(V) in Recombinant Expression Systems. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-13.	3.0	10
69	Tinkering signaling pathways by gain and loss of protein isoforms: the case of the EDA pathway regulator EDARADD. <i>BMC Evolutionary Biology</i> , 2015, 15, 129.	3.2	9
70	Stiffness measurement is a biomarker of skin ageing in vivo. <i>Experimental Dermatology</i> , 2020, 29, 1233-1237.	1.4	9
71	Lack of the myotendinous junction marker col22a1 results in posture and locomotion disabilities in zebrafish. <i>Matrix Biology</i> , 2022, 109, 1-18.	1.5	9
72	Tissue Engineering of the Cornea: Orthogonal Scaffold of Magnetically Aligned Collagen Lamellae for Corneal Stroma Reconstruction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6400.	0.5	8

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73	Subcellular Localization of ENS-1/ERN1 in Chick Embryonic Stem Cells. PLoS ONE, 2014, 9, e92039.	1.1	4
74	Superfast excitation-contraction coupling in adult zebrafish skeletal muscle fibers. Journal of General Physiology, 2022, 154, .	0.9	4
75	The Collagen Superfamily: Everything You Always Wanted to Know. Biology of Extracellular Matrix, 2021, , 1-22.	0.3	3
76	Inherited Connective Tissue Disorders of Collagens: Lessons from Targeted Mutagenesis. , 0, , .		2
77	Combination of Traction Assays and Multiphoton Imaging to Quantify Skin Biomechanics. Methods in Molecular Biology, 2019, 1944, 145-155.	0.4	2
78	CCM1/ICAP-1 complex controls β 1 integrin-dependent endothelial contractility and fibronectin remodelling. Journal of Experimental Medicine, 2013, 210, 2109-2128.	4.2	0