

Florence Ruggiero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8577090/publications.pdf>

Version: 2024-02-01

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 | 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 |
| 2 | Superfast excitation-contraction coupling in adult zebrafish skeletal muscle fibers. <i>Journal of General Physiology</i> , 2022, 154, . | 0.9 | 4 |
| 3 | Design of PEGylated Three Ligands Silica Nanoparticles for Multi-Receptor Targeting. <i>Nanomaterials</i> , 2021, 11, 177. | 1.9 | 13 |
| 4 | A dynamic and mosaic basement membrane controls cell intercalation in <i>Drosophila</i> ovaries. <i>Development (Cambridge)</i> , 2021, 148, . | 1.2 | 13 |
| 5 | 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 |
| 6 | The Collagen Superfamily: Everything You Always Wanted to Know. <i>Biology of Extracellular Matrix</i> , 2021, , 1-22. | 0.3 | 3 |
| 7 | 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 |
| 8 | A collagen VI-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 |
| 9 | Stiffness measurement is a biomarker of skin ageing in vivo. <i>Experimental Dermatology</i> , 2020, 29, 1233-1237. | 1.4 | 9 |
| 10 | Collagen XV, a multifaceted multiplexin present across tissues and species. <i>Matrix Biology Plus</i> , 2020, 6-7, 100023. | 1.9 | 29 |
| 11 | 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 |
| 12 | Combination of Traction Assays and Multiphoton Imaging to Quantify Skin Biomechanics. <i>Methods in Molecular Biology</i> , 2019, 1944, 145-155. | 0.4 | 2 |
| 13 | Spatio-temporal expression and distribution of collagen VI during zebrafish development. <i>Scientific Reports</i> , 2019, 9, 19851. | 1.6 | 13 |
| 14 | 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 |
| 15 | Fishing for collagen function: About development, regeneration and disease. <i>Seminars in Cell and Developmental Biology</i> , 2019, 89, 100-108. | 2.3 | 35 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | How aging impacts skin biomechanics: a multiscale study in mice. <i>Scientific Reports</i> , 2017, 7, 13750. | 1.6 | 43 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | A TALEN-Exon Skipping Design for a Bethlem Myopathy Model in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0133986. | 1.1 | 23 |
| 25 | 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 |
| 26 | 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 |
| 27 | Companion Blood Cells Control Ovarian Stem Cell Niche Microenvironment and Homeostasis. <i>Cell Reports</i> , 2015, 13, 546-560. | 2.9 | 69 |
| 28 | Subcellular Localization of ENS-1/ERN1 in Chick Embryonic Stem Cells. <i>PLoS ONE</i> , 2014, 9, e92039. | 1.1 | 4 |
| 29 | 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 |
| 30 | Transcriptomic analysis of mouse limb tendon cells during development. <i>Development (Cambridge)</i> , 2014, 141, 3683-3696. | 1.2 | 152 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | CCM1/ICAP-1 complex controls β 1 integrin-dependent endothelial contractility and fibronectin remodelling. <i>Journal of Experimental Medicine</i> , 2013, 210, 2109OIA28. | 4.2 | 0 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | The development of the myotendinous junction. A review. <i>Muscles, Ligaments and Tendons Journal</i> , 2012, 2, 53-63. | 0.1 | 76 |
| 39 | Identification of binding partners interacting with the $\alpha 1$ -N-propeptide of type V collagen. <i>Biochemical Journal</i> , 2011, 433, 371-381. | 1.7 | 49 |
| 40 | 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 |
| 41 | Characterization of spatial and temporal expression pattern of Col15a1b during zebrafish development. <i>Gene Expression Patterns</i> , 2011, 11, 129-134. | 0.3 | 15 |
| 42 | Development of the zebrafish myoseptum with emphasis on the myotendinous junction. <i>Cell and Tissue Research</i> , 2011, 346, 439-449. | 1.5 | 56 |
| 43 | 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 |
| 44 | EGR1 and EGR2 Involvement in Vertebrate Tendon Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 5855-5867. | 1.6 | 178 |
| 45 | Use of magnetically oriented orthogonal collagen scaffolds for hemi-corneal reconstruction and regeneration. <i>Biomaterials</i> , 2010, 31, 8313-8322. | 5.7 | 73 |
| 46 | Recombinant Human Collagen XV Regulates Cell Adhesion and Migration. <i>Journal of Biological Chemistry</i> , 2010, 285, 5258-5265. | 1.6 | 43 |
| 47 | The Collagen V Homotrimer $[\alpha 1(V)]_3$ Production Is Unexpectedly Favored over the Heterotrimer $[\alpha 1(V)]_2[\alpha 2(V)]$ in Recombinant Expression Systems. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-13. | 3.0 | 10 |
| 48 | Molecular Interplay between Endostatin, Integrins, and Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 22029-22040. | 1.6 | 89 |
| 49 | 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 |
| 50 | Craniofacial cartilage morphogenesis requires zebrafish col11a1 activity. <i>Matrix Biology</i> , 2009, 28, 490-502. | 1.5 | 36 |
| 51 | 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 |
| 52 | Collagen XV, a novel factor in zebrafish notochord differentiation and muscle development. <i>Developmental Biology</i> , 2008, 316, 21-35. | 0.9 | 55 |
| 53 | Making recombinant extracellular matrix proteins. <i>Methods</i> , 2008, 45, 75-85. | 1.9 | 45 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Orthogonal scaffold of magnetically aligned collagen lamellae for corneal stroma reconstruction. <i>Biomaterials</i> , 2007, 28, 4268-4276. | 5.7 | 171 |
| 57 | Structure of the Epstein-Barr Virus Oncogene BARP1. <i>Journal of Molecular Biology</i> , 2006, 359, 667-678. | 2.0 | 43 |
| 58 | Dual polarization interferometry characterization of carbohydrate-protein interactions. <i>Analytical Biochemistry</i> , 2006, 352, 252-259. | 1.1 | 45 |
| 59 | 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 |
| 60 | Structural Requirements for Heparin/Heparan Sulfate Binding to Type V Collagen. <i>Journal of Biological Chemistry</i> , 2006, 281, 25195-25204. | 1.6 | 39 |
| 61 | Substrate-specific Modulation of a Multisubstrate Proteinase. <i>Journal of Biological Chemistry</i> , 2005, 280, 24188-24194. | 1.6 | 90 |
| 62 | 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 |
| 63 | The collagen superfamily: from the extracellular matrix to the cell membrane. <i>Pathologie Et Biologie</i> , 2005, 53, 430-442. | 2.2 | 297 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | Discoidin Domain Receptor 1 Is Activated Independently of α 2 β 1 Integrin. <i>Journal of Biological Chemistry</i> , 2000, 275, 5779-5784. | 1.6 | 134 |
| 70 | 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 |
| 71 | Molecular Features of the Collagen V Heparin Binding Site. <i>Journal of Biological Chemistry</i> , 1998, 273, 15069-15076. | 1.6 | 51 |
| 72 | Laminin 5 Binds the NC-1 Domain of Type VII Collagen. <i>Journal of Cell Biology</i> , 1997, 138, 719-728. | 2.3 | 235 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Human Recombinant $\pm 1(V)$ Collagen Chain. <i>Journal of Biological Chemistry</i> , 1997, 272, 30083-30087. | 1.6 | 78 |
| 74 | 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 |
| 75 | Another look at collagen V and XI molecules. <i>Matrix Biology</i> , 1995, 14, 515-531. | 1.5 | 173 |
| 76 | 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 |
| 77 | The Collagen Superfamily. <i>Topics in Current Chemistry</i> , 0, , 35-84. | 4.0 | 59 |
| 78 | Inherited Connective Tissue Disorders of Collagens: Lessons from Targeted Mutagenesis. , 0, , . | | 2 |