

Sylvie Ricard-Blum

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

7,592
citations

109321

35
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

11352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The MIntAct projectâ€”IntAct as a common curation platform for 11 molecular interaction databases. <i>Nucleic Acids Research</i> , 2014, 42, D358-D363. | 14.5 | 1,634 |
| 2 | The Collagen Family. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004978-a004978. | 5.5 | 1,395 |
| 3 | Protein interaction data curation: the International Molecular Exchange (IMEx) consortium. <i>Nature Methods</i> , 2012, 9, 345-350. | 19.0 | 500 |
| 4 | A guide to the composition and functions of the extracellular matrix. <i>FEBS Journal</i> , 2021, 288, 6850-6912. | 4.7 | 320 |
| 5 | PSICQUIC and PSIScore: accessing and scoring molecular interactions. <i>Nature Methods</i> , 2011, 8, 528-529. | 19.0 | 274 |
| 6 | Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. <i>Chemical Reviews</i> , 2018, 118, 9152-9232. | 47.7 | 253 |
| 7 | Lysyl oxidases: from enzyme activity to extracellular matrix cross-links. <i>Essays in Biochemistry</i> , 2019, 63, 349-364. | 4.7 | 184 |
| 8 | Matricryptins and matrikines: biologically active fragments of the extracellular matrix. <i>Experimental Dermatology</i> , 2014, 23, 457-463. | 2.9 | 163 |
| 9 | Transglutaminase-mediated cross-linking is involved in the stabilization of extracellular matrix in human liver fibrosis. <i>Journal of Hepatology</i> , 2001, 35, 367-375. | 3.7 | 156 |
| 10 | Characterization of Endostatin Binding to Heparin and Heparan Sulfate by Surface Plasmon Resonance and Molecular Modeling. <i>Journal of Biological Chemistry</i> , 2004, 279, 2927-2936. | 3.4 | 119 |
| 11 | MatrixDB, the extracellular matrix interaction database. <i>Nucleic Acids Research</i> , 2011, 39, D235-D240. | 14.5 | 117 |
| 12 | Molecular and tissue alterations of collagens in fibrosis. <i>Matrix Biology</i> , 2018, 68-69, 122-149. | 3.6 | 108 |
| 13 | Glycosaminoglycanâ€”Protein Interactions: The First Draft of the Glycosaminoglycan Interactome. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 93-104. | 2.5 | 105 |
| 14 | Heparinâ€”protein interactions: From affinity and kinetics to biological roles. Application to an interaction network regulating angiogenesis. <i>Matrix Biology</i> , 2014, 35, 73-81. | 3.6 | 103 |
| 15 | The complex portal - an encyclopaedia of macromolecular complexes. <i>Nucleic Acids Research</i> , 2015, 43, D479-D484. | 14.5 | 100 |
| 16 | Fragments generated upon extracellular matrix remodeling: Biological regulators and potential drugs. <i>Matrix Biology</i> , 2019, 75-76, 170-189. | 3.6 | 95 |
| 17 | PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. <i>Nucleic Acids Research</i> , 2021, 49, D404-D411. | 14.5 | 95 |
| 18 | Matricryptins derived from collagens and proteoglycans. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 674. | 3.0 | 93 |

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|----|--|------|-----------|
| 19 | MatrixDB: integration of new data with a focus on glycosaminoglycan interactions. <i>Nucleic Acids Research</i> , 2019, 47, D376-D381. | 14.5 | 93 |
| 20 | Molecular Interplay between Endostatin, Integrins, and Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 22029-22040. | 3.4 | 89 |
| 21 | Structures and interactions of syndecans. <i>FEBS Journal</i> , 2019, 286, 2994-3007. | 4.7 | 89 |
| 22 | The IntAct database: efficient access to fine-grained molecular interaction data. <i>Nucleic Acids Research</i> , 2022, 50, D648-D653. | 14.5 | 89 |
| 23 | MatrixDB, a database focused on extracellular protein-protein and protein-carbohydrate interactions. <i>Bioinformatics</i> , 2009, 25, 690-691. | 4.1 | 88 |
| 24 | Interaction of the coiled-coil domain with glycosaminoglycans protects angiopoietin-like 4 from proteolysis and regulates its antiangiogenic activity. <i>FASEB Journal</i> , 2009, 23, 940-949. | 0.5 | 84 |
| 25 | Hydroxypyridinium collagen cross-links in human liver fibrosis: Study of alveolar echinococcosis. <i>Hepatology</i> , 1992, 15, 599-602. | 7.3 | 79 |
| 26 | The First Draft of the Endostatin Interaction Network. <i>Journal of Biological Chemistry</i> , 2009, 284, 22041-22047. | 3.4 | 78 |
| 27 | Insights into How CLUB Domains Can Exert Specific Functions while Sharing a Common Fold. <i>Journal of Biological Chemistry</i> , 2007, 282, 16924-16933. | 3.4 | 71 |
| 28 | Proteases decode the extracellular matrix cryptome. <i>Biochimie</i> , 2016, 122, 300-313. | 2.6 | 63 |
| 29 | The Collagen Superfamily. <i>Topics in Current Chemistry</i> , 0, , 35-84. | 4.0 | 59 |
| 30 | Intrinsic disorder of the extracellular matrix. <i>Molecular BioSystems</i> , 2011, 7, 3353. | 2.9 | 54 |
| 31 | Tetrastatin, the NC1 Domain of the $\alpha 4(\text{IV})$ Collagen Chain: A Novel Potent Anti-Tumor Matrikine. <i>PLoS ONE</i> , 2012, 7, e29587. | 2.5 | 51 |
| 32 | Matricryptins Network with Matricellular Receptors at the Surface of Endothelial and Tumor Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 11. | 3.5 | 51 |
| 33 | Towards a unified open access dataset of molecular interactions. <i>Nature Communications</i> , 2020, 11, 6144. | 12.8 | 49 |
| 34 | Large-Scale Investigation of Leishmania Interaction Networks with Host Extracellular Matrix by Surface Plasmon Resonance Imaging. <i>Infection and Immunity</i> , 2014, 82, 594-606. | 2.2 | 41 |
| 35 | Target-Derived Matricryptins Organize Cerebellar Synapse Formation through $\alpha 3 \beta 1$ Integrins. <i>Cell Reports</i> , 2012, 2, 223-230. | 6.4 | 40 |
| 36 | Glycosaminoglycanomics: where we are. <i>Glycoconjugate Journal</i> , 2017, 34, 339-349. | 2.7 | 40 |

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|----|--|-----|-----------|
| 37 | Biglycan potentially regulates angiogenesis during fracture repair by altering expression and function of endostatin. <i>Matrix Biology</i> , 2016, 52-54, 141-150. | 3.6 | 39 |
| 38 | Insights into the structure and dynamics of lysyl oxidase propeptide, a flexible protein with numerous partners. <i>Scientific Reports</i> , 2018, 8, 11768. | 3.3 | 39 |
| 39 | Extended interaction network of procollagen C-proteinase enhancer-1 in the extracellular matrix. <i>Biochemical Journal</i> , 2014, 457, 137-149. | 3.7 | 37 |
| 40 | Binding of Procollagen C-Proteinase Enhancer-1 (PCPE-1) to Heparin/Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2010, 285, 33867-33874. | 3.4 | 34 |
| 41 | Mapping of heparin/heparan sulfate binding sites on $\alpha 2 \beta 3$ integrin by molecular docking. <i>Journal of Molecular Recognition</i> , 2013, 26, 76-85. | 2.1 | 32 |
| 42 | 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. | 3.4 | 29 |
| 43 | The glycosaminoglycan interactome 2.0. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C1271-C1278. | 4.6 | 29 |
| 44 | A pipeline to translate glycosaminoglycan sequences into 3D models. Application to the exploration of glycosaminoglycan conformational space. <i>Glycobiology</i> , 2019, 29, 36-44. | 2.5 | 28 |
| 45 | The carboxy-terminal cross-linked telopeptide of type I collagen (ICTP) is a potential serum marker of ongoing liver fibrosis. <i>Clinica Chimica Acta</i> , 1996, 248, 187-195. | 1.1 | 26 |
| 46 | Pyridinoline, a Mature Collagen Cross-Link, in Fibrotic Livers from <i>Schistosoma mansoni</i> -Infected Mice. <i>American Journal of Tropical Medicine and Hygiene</i> , 1992, 47, 816-820. | 1.4 | 26 |
| 47 | A Three-Dimensional Model of Human Lysyl Oxidase, a Cross-Linking Enzyme. <i>ACS Omega</i> , 2019, 4, 8495-8505. | 3.5 | 21 |
| 48 | 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. | 3.6 | 20 |
| 49 | The Interactome of Cancer-Related Lysyl Oxidase and Lysyl Oxidase-Like Proteins. <i>Cancers</i> , 2021, 13, 71. | 3.7 | 20 |
| 50 | Endostatin Level in Cerebrospinal Fluid of Patients with Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1253-1261. | 2.6 | 17 |
| 51 | GAG-DB, the New Interface of the Three-Dimensional Landscape of Glycosaminoglycans. <i>Biomolecules</i> , 2020, 10, 1660. | 4.0 | 16 |
| 52 | The Multimerization State of the Amyloid- β 242 Peptide ($A\beta$ 242) Governs its Interaction Network with the Extracellular Matrix. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 991-1005. | 2.6 | 15 |
| 53 | Protein-glycosaminoglycan interaction networks: Focus on heparan sulfate. <i>Perspectives in Science</i> , 2017, 11, 62-69. | 0.6 | 13 |
| 54 | Glycosaminoglycan interaction networks and databases. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102355. | 5.7 | 13 |

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|----|--|-----|-----------|
| 55 | Urinary excretion of the collagen cross-link pyridinoline increases during liver fibrogenesis. <i>Journal of Hepatology</i> , 1997, 26, 1356-1362. | 3.7 | 12 |
| 56 | Glycosaminoglycans: major biological players. <i>Glycoconjugate Journal</i> , 2017, 34, 275-276. | 2.7 | 12 |
| 57 | Analysis of Procollagen C-Proteinase Enhancer-1/Glycosaminoglycan Binding Sites and of the Potential Role of Calcium Ions in the Interaction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5021. | 4.1 | 11 |
| 58 | Omic approaches to decipher the molecular mechanisms of fibrosis, and design new anti-fibrotic strategies. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 161-169. | 5.0 | 11 |
| 59 | Computational and experimental characterization of the novel ECM glycoprotein SNED1 and prediction of its interactome. <i>Biochemical Journal</i> , 2021, 478, 1413-1434. | 3.7 | 10 |
| 60 | Interaction of Complement Defence Collagens C1q and Mannose-Binding Lectin with BMP-1/Tolloid-like Proteinases. <i>Scientific Reports</i> , 2017, 7, 16958. | 3.3 | 9 |
| 61 | Building Protein-Protein and Protein-Glycosaminoglycan Interaction Networks Using MatrixDB, the Extracellular Matrix Interaction Database. <i>Current Protocols</i> , 2021, 1, e47. | 2.9 | 9 |
| 62 | Sialic acids rather than glycosaminoglycans affect normal and sickle red blood cell rheology by binding to four major sites on fibrinogen. <i>American Journal of Hematology</i> , 2020, 95, E77-E80. | 4.1 | 8 |
| 63 | Extended disorder at the cell surface: The conformational landscape of the ectodomains of syndecans. <i>Matrix Biology Plus</i> , 2021, 12, 100081. | 3.5 | 7 |
| 64 | A comparative analysis of secreted protein disulfide isomerases from the tropical co-endemic parasites <i>Schistosoma mansoni</i> and <i>Leishmania major</i> . <i>Scientific Reports</i> , 2019, 9, 9568. | 3.3 | 6 |
| 65 | The Extracellular Matrix Goes -Omics: Resources and Tools. <i>Biology of Extracellular Matrix</i> , 2020, , 1-16. | 0.3 | 6 |
| 66 | Chapter 11. Strategies for Building Protein-Glycosaminoglycan Interaction Networks Combining SPRi, SPR, and BLI. , 0, , 398-414. | | 5 |
| 67 | A Bioinformatics View of Glycan-Virus Interactions. <i>Viruses</i> , 2019, 11, 374. | 3.3 | 4 |
| 68 | Extracellular Matrix Networks: From Connections to Functions. <i>Biology of Extracellular Matrix</i> , 2020, , 101-129. | 0.3 | 3 |
| 69 | Impact of calcium ions on the structural and dynamic properties of heparin oligosaccharides by computational analysis. <i>Computational Biology and Chemistry</i> , 2022, 99, 107727. | 2.3 | 1 |