Sylvie Ricard-Blum

List of Publications by Year
in descending order

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 IntAct database: efficient access to fine-grained molecular interaction data. Nucleic Acids Research, 2022, 50, D648-D653.	14.5	89
2	Glycosaminoglycan interaction networks and databases. Current Opinion in Structural Biology, 2022, 74, 102355.	5.7	13
3	The glycosaminoglycan interactome 2.0. American Journal of Physiology - Cell Physiology, 2022, 322, C1271-C1278.	4.6	29
4	Impact of calcium ions on the structural and dynamic properties of heparin oligosaccharides by computational analysis. Computational Biology and Chemistry, 2022, 99, 107727.	2.3	1
5	Glycosaminoglycanâ€"Protein Interactions: The First Draft of the Glycosaminoglycan Interactome. Journal of Histochemistry and Cytochemistry, 2021, 69, 93-104.	2.5	105
6	A guide to the composition and functions of the extracellular matrix. FEBS Journal, 2021, 288, 6850-6912.	4.7	320
7	Computational and experimental characterization of the novel ECM glycoprotein SNED1 and prediction of its interactome. Biochemical Journal, 2021, 478, 1413-1434.	3.7	10
8	Building Proteinâ€Protein and Proteinâ€Glycosaminoglycan Interaction Networks Using MatrixDB, the Extracellular Matrix Interaction Database. Current Protocols, 2021, 1, e47.	2.9	9
9	Extended disorder at the cell surface: The conformational landscape of the ectodomains of syndecans. Matrix Biology Plus, 2021, 12, 100081.	3.5	7
10	PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. Nucleic Acids Research, 2021, 49, D404-D411.	14.5	95
11	The Interactome of Cancer-Related Lysyl Oxidase and Lysyl Oxidase-Like Proteins. Cancers, 2021, 13, 71.	3.7	20
12	Sialic acids rather than glycosaminoglycans affect normal and sickle red blood cell rheology by binding to four major sites on fibrinogen. American Journal of Hematology, 2020, 95, E77-E80.	4.1	8
13	Omic approaches to decipher the molecular mechanisms of fibrosis, and design new anti-fibrotic strategies. Seminars in Cell and Developmental Biology, 2020, 101, 161-169.	5.0	11
14	Scavenger Receptor Cysteine-Rich domains of Lysyl Oxidase-Like2 regulate endothelial ECM and angiogenesis through non-catalytic scaffolding mechanisms. Matrix Biology, 2020, 88, 33-52.	3.6	20
15	Towards a unified open access dataset of molecular interactions. Nature Communications, 2020, 11, 6144.	12.8	49
16	GAG-DB, the New Interface of the Three-Dimensional Landscape of Glycosaminoglycans. Biomolecules, 2020, 10, 1660.	4.0	16
17	The Extracellular Matrix Goes -Omics: Resources and Tools. Biology of Extracellular Matrix, 2020, , 1-16.	0.3	6
18	Extracellular Matrix Networks: From Connections to Functions. Biology of Extracellular Matrix, 2020, , 101-129.	0.3	3

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19	A comparative analysis ofÂsecreted protein disulfide isomerases from the tropical co-endemic parasites Schistosoma mansoni and Leishmania major. Scientific Reports, 2019, 9, 9568.	3.3	6
20	Analysis of Procollagen C-Proteinase Enhancer-1/Glycosaminoglycan Binding Sites and of the Potential Role of Calcium Ions in the Interaction. International Journal of Molecular Sciences, 2019, 20, 5021.	4.1	11
21	Lysyl oxidases: from enzyme activity to extracellular matrix cross-links. Essays in Biochemistry, 2019, 63, 349-364.	4.7	184
22	A Three-Dimensional Model of Human Lysyl Oxidase, a Cross-Linking Enzyme. ACS Omega, 2019, 4, 8495-8505.	3.5	21
23	A Bioinformatics View of Glycanâ€“Virus Interactions. Viruses, 2019, 11, 374.	3.3	4
24	Structures and interactions of syndecans. FEBS Journal, 2019, 286, 2994-3007.	4.7	89
25	A pipeline to translate glycosaminoglycan sequences into 3D models. Application to the exploration of glycosaminoglycan conformational space. Glycobiology, 2019, 29, 36-44.	2.5	28
26	MatrixDB: integration of new data with a focus on glycosaminoglycan interactions. Nucleic Acids Research, 2019, 47, D376-D381.	14.5	93
27	Fragments generated upon extracellular matrix remodeling: Biological regulators and potential drugs. Matrix Biology, 2019, 75-76, 170-189.	3.6	95
28	Molecular and tissue alterations of collagens in fibrosis. Matrix Biology, 2018, 68-69, 122-149.	3.6	108
29	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. Chemical Reviews, 2018, 118, 9152-9232.	47.7	253
30	Insights into the structure and dynamics of lysyl oxidase propeptide, a flexible protein with numerous partners. Scientific Reports, 2018, 8, 11768.	3.3	39
31	Proteinâ€“glycosaminoglycan interaction networks: Focus on heparan sulfate. Perspectives in Science, 2017, 11, 62-69.	0.6	13
32	The Multimerization State ofÂtheÂAmyloid-Î²42 Peptide (AÎ²42) Governs its Interaction Network withÂtheÂExtracellular Matrix. Journal of Alzheimer's Disease, 2017, 56, 991-1005.	2.6	15
33	Glycosaminoglycans: major biological players. Glycoconjugate Journal, 2017, 34, 275-276.	2.7	12
34	Glycosaminoglycanomics: where we are. Glycoconjugate Journal, 2017, 34, 339-349.	2.7	40
35	Interaction of Complement Defence Collagens C1q and Mannose-Binding Lectin with BMP-1/Tolloid-like Proteinases. Scientific Reports, 2017, 7, 16958.	3.3	9
36	Matricryptins Network with Matricellular Receptors at the Surface of Endothelial and Tumor Cells. Frontiers in Pharmacology, 2016, 7, 11.	3.5	51

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37	Biglycan potentially regulates angiogenesis during fracture repair by altering expression and function of endostatin. Matrix Biology, 2016, 52-54, 141-150.	3.6	39
38	Proteases decode the extracellular matrix cryptome. Biochimie, 2016, 122, 300-313.	2.6	63
39	Endostatin Level in Cerebrospinal Fluid of Patients with Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 44, 1253-1261.	2.6	17
40	The complex portal - an encyclopaedia of macromolecular complexes. Nucleic Acids Research, 2015, 43, D479-D484.	14.5	100
41	The MIntAct projectâ€"IntAct as a common curation platform for 11 molecular interaction databases. Nucleic Acids Research, 2014, 42, D358-D363.	14.5	1,634
42	Extended interaction network of procollagen C-proteinase enhancer-1Âin the extracellular matrix. Biochemical Journal, 2014, 457, 137-149.	3.7	37
43	Matricryptins and matrikines: biologically active fragments of the extracellular matrix. Experimental Dermatology, 2014, 23, 457-463.	2.9	163
44	Large-Scale Investigation of Leishmania Interaction Networks with Host Extracellular Matrix by Surface Plasmon Resonance Imaging. Infection and Immunity, 2014, 82, 594-606.	2.2	41
45	Heparinâ€"protein interactions: From affinity and kinetics to biological roles. Application to an interaction network regulating angiogenesis. Matrix Biology, 2014, 35, 73-81.	3.6	103
46	Mapping of heparin/heparan sulfate binding sites on Î±vÎ²3 integrin by molecular docking. Journal of Molecular Recognition, 2013, 26, 76-85.	2.1	32
47	Protein interaction data curation: the International Molecular Exchange (IMEx) consortium. Nature Methods, 2012, 9, 345-350.	19.0	500
48	Target-Derived Matricryptins Organize Cerebellar Synapse Formation through Î±3Î²1 Integrins. Cell Reports, 2012, 2, 223-230.	6.4	40
49	Tetrastatin, the NC1 Domain of the Î±4(IV) Collagen Chain: A Novel Potent Anti-Tumor Matrikine. PLoS ONE, 2012, 7, e29587.	2.5	51
50	PSICQUIC and PSISCORE: accessing and scoring molecular interactions. Nature Methods, 2011, 8, 528-529.	19.0	274
51	MatrixDB, the extracellular matrix interaction database. Nucleic Acids Research, 2011, 39, D235-D240.	14.5	117
52	Intrinsic disorder of the extracellular matrix. Molecular BioSystems, 2011, 7, 3353.	2.9	54
53	The Collagen Family. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004978-a004978.	5.5	1,395
54	Matricryptins derived from collagens and proteoglycans. Frontiers in Bioscience - Landmark, 2011, 16, 674.	3.0	93

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55	Binding of Procollagen C-Proteinase Enhancer-1 (PCPE-1) to Heparin/Heparan Sulfate. Journal of Biological Chemistry, 2010, 285, 33867-33874.	3.4	34
56	Molecular Interplay between Endostatin, Integrins, and Heparan Sulfate. Journal of Biological Chemistry, 2009, 284, 22029-22040.	3.4	89
57	Interaction of the coiledâ€coil domain with glycosaminoglycans protects angiopoietinâ€like 4 from proteolysis and regulates its antiangiogenic activity. FASEB Journal, 2009, 23, 940-949.	0.5	84
58	The First Draft of the Endostatin Interaction Network. Journal of Biological Chemistry, 2009, 284, 22041-22047.	3.4	78
59	MatrixDB, a database focused on extracellular proteinâ€“protein and proteinâ€“carbohydrate interactions. Bioinformatics, 2009, 25, 690-691.	4.1	88
60	Insights into How CUB Domains Can Exert Specific Functions while Sharing a Common Fold. Journal of Biological Chemistry, 2007, 282, 16924-16933.	3.4	71
61	Characterization of Endostatin Binding to Heparin and Heparan Sulfate by Surface Plasmon Resonance and Molecular Modeling. Journal of Biological Chemistry, 2004, 279, 2927-2936.	3.4	119
62	Low Resolution Structure Determination Shows Procollagen C-Proteinase Enhancer to be an Elongated Multidomain Glycoprotein. Journal of Biological Chemistry, 2003, 278, 7199-7205.	3.4	29
63	Transglutaminase-mediated cross-linking is involved in the stabilization of extracellular matrix in human liver fibrosis. Journal of Hepatology, 2001, 35, 367-375.	3.7	156
64	Urinary excretion of the collagen cross-link pyridinoline increases during liver fibrogenesis. Journal of Hepatology, 1997, 26, 1356-1362.	3.7	12
65	The carboxy-terminal cross-linked telopeptide of type I collagen (ICTP) is a potential serum marker of ongoing liver fibrosis. Clinica Chimica Acta, 1996, 248, 187-195.	1.1	26
66	Hydroxypyridinium collagen cross-links in human liver fibrosis: Study of alveolar echinococcosis. Hepatology, 1992, 15, 599-602.	7.3	79
67	Pyridinoline, a Mature Collagen Cross-Link, in Fibrotic Livers from Schistosoma mansoni-Infected Mice. American Journal of Tropical Medicine and Hygiene, 1992, 47, 816-820.	1.4	26
68	The Collagen Superfamily. Topics in Current Chemistry, 0, , 35-84.	4.0	59
69	Chapter 11. Strategies for Building Proteinâ€“Glycosaminoglycan Interaction Networks Combining SPRi, SPR, and BLI. , 0, , 398-414.		5