Sacha A Jensen

List of Publications by Year
in descending order

29	1,578	394286 19	477173 29
papers	citations	h-index	g-index

29	29	29	1928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A conserved face of the Jagged/Serrate DSL domain is involved in Notch trans-activation and cis-inhibition. Nature Structural and Molecular Biology, 2008, 15, 849-857.	3.6	222
2	Coacervation Characteristics of Recombinant Human Tropoelastin. FEBS Journal, 1997, 250, 92-98.	0.2	200
3	Mutations in the TGFÎ² Binding-Protein-Like Domain 5 of FBN1 Are Responsible for Acromicric and Geleophysic Dysplasias. American Journal of Human Genetics, 2011, 89, 7-14.	2.6	199
4	Protein Interaction Studies of MAGP-1 with Tropoelastin and Fibrillin-1. Journal of Biological Chemistry, 2001, 276, 39661-39666.	1.6	126
5	TB domain proteins: evolutionary insights into the multifaceted roles of fibrillins and LTBPs. Biochemical Journal, 2011, 433, 263-276.	1.7	95
6	Dissecting the Fibrillin Microfibril: Structural Insights into Organization and Function. Structure, 2012, 20, 215-225.	1.6	80
7	Hydrophobic Domains of Human Tropoelastin Interact in a Context-dependent Manner. Journal of Biological Chemistry, 2001, 276, 44575-44580.	1.6	77
8	Nuclear Magnetic Resonance Characterization of the Jun Leucine Zipper Domain: Unusual Properties of Coiled-Coil Interfacial Polar Residues. Biochemistry, 1995, 34, 6164-6174.	1.2	74
9	Structural changes and facilitated association of tropoelastin. Archives of Biochemistry and Biophysics, 2003, 410, 317-323.	1.4	59
10	Domain 26 of Tropoelastin Plays a Dominant Role in Association by Coacervation. Journal of Biological Chemistry, 2000, 275, 28449-28454.	1.6	56
11	Structure and Interdomain Interactions of a Hybrid Domain: A Disulphide-Rich Module of the Fibrillin/LTBP Superfamily of Matrix Proteins. Structure, 2009, 17, 759-768.	1.6	44
12	Structure of the Fibrillin-1 N-Terminal Domains Suggests that Heparan Sulfate Regulates the Early Stages of Microfibril Assembly. Structure, 2013, 21, 1743-1756.	1.6	42
13	New insights into the structure, assembly and biological roles of 10â€“12 nm connective tissue microfibrils from fibrillin-1 studies. Biochemical Journal, 2016, 473, 827-838.	1.7	40
14	Structural Consequences of Cysteine Substitutions C1977Y and C1977R in Calcium-binding Epidermal Growth Factor-like Domain 30 of Human Fibrillin-1. Journal of Biological Chemistry, 2004, 279, 51258-51265.	1.6	36
15	Ca2+-dependent Interface Formation in Fibrillin-1. Journal of Biological Chemistry, 2005, 280, 14076-14084.	1.6	34
16	Aspartate/asparagine-Î²-hydroxylase crystal structures reveal an unexpected epidermal growth factor-like domain substrate disulfide pattern. Nature Communications, 2019, 10, 4910.	5.8	34
17	Fibrillinâ€“integrin interactions in health and disease. Biochemical Society Transactions, 2008, 36, 257-262.	1.6	32
18	C-terminal propeptide is required for fibrillin-1 secretion and blocks premature assembly through linkage to domains cbEGF41-43. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10155-10160.	3.3	27

#	Article	IF	Citations
19	A microfibril assembly assay identifies different mechanisms of dominance underlying Marfan syndrome, stiff skin syndrome and acromelic dysplasias. Human Molecular Genetics, 2015, 24, 4454-4463.	1.4	26
20	Biophysical Characterisation of Fibulin-5 Proteins Associated with Disease. Journal of Molecular Biology, 2010, 401, 605-617.	2.0	19
21	The N-Terminal Region of Fibrillin-1 Mediates a Bipartite Interaction with LTBP1. Structure, 2017, 25, 1208-1221.e5.	1.6	15
22	A disease-associated mutation in fibrillin-1 differentially regulates integrin-mediated cell adhesion. Journal of Biological Chemistry, 2019, 294, 18232-18243.	1.6	11
23	Rational design of tropoelastin peptide-based inhibitors of metalloproteinases. Archives of Biochemistry and Biophysics, 2003, 409, 335-340.	1.4	7
24	Hutchinsonâ€“Gilford progeria: faithful DNA maintenance, inheritance and allelic transcription of Î²(1-4) galactosyltransferase. Mechanisms of Ageing and Development, 1998, 101, 43-56.	2.2	6
25	Juvenile idiopathic arthritis, mitral valve prolapse and a familial variant involving the integrinâ€binding fragment of FBN1. American Journal of Medical Genetics, Part A, 2013, 161, 2047-2051.	0.7	5
26	1H, 13C and 15N assignments of the four N-terminal domains of human fibrillin-1. Biomolecular NMR Assignments, 2014, 8, 75-80.	0.4	5
27	Assembly assay identifies a critical region of human fibrillin-1 required for 10â€“12 nm diameter microfibril biogenesis. PLoS ONE, 2021, 16, e0248532.	1.1	3
28	Evolutionary Insights into Fibrillin Structure and Function in the Extracellular Matrix. Biology of Extracellular Matrix, 2013, , 121-162.	0.3	2
29	1H, 13C and 15N resonance assignments for the fibrillin-1 EGF2-EGF3-hybrid1-cbEGF1 four-domain fragment. Biomolecular NMR Assignments, 2014, 8, 189-194.	0.4	2