

Jordi Bella

List of Publications by Year in descending order

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49
papers

5,529
citations

159358

30
h-index

223531

46
g-index

49
all docs

49
docs citations

49
times ranked

6111
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Crystallographic Structure of the Norwalk Virus Capsid. <i>Science</i> , 1999, 286, 287-290.	6.0	820
2	Collagens at a glance. <i>Journal of Cell Science</i> , 2007, 120, 1955-1958.	1.2	653
3	Hydration structure of a collagen peptide. <i>Structure</i> , 1995, 3, 893-906.	1.6	570
4	The leucine-rich repeat structure. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2307-2333.	2.4	392
5	Sequence dependent conformational variations of collagen triple-helical structure. <i>Nature Structural Biology</i> , 1999, 6, 454-457.	9.7	277
6	Crystallographic Evidence for C α -H \cdot \cdot -O=C Hydrogen Bonds in a Collagen Triple Helix. <i>Journal of Molecular Biology</i> , 1996, 264, 734-742.	2.0	209
7	Staggered molecular packing in crystals of a collagen-like peptide with a single charged pair. <i>Journal of Molecular Biology</i> , 2000, 301, 1191-1205.	2.0	197
8	Crystal structure of the dimeric protein core of decorin, the archetypal small leucine-rich repeat proteoglycan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15633-15638.	3.3	193
9	Structural studies of two rhinovirus serotypes complexed with fragments of their cellular receptor. <i>EMBO Journal</i> , 1999, 18, 6249-6259.	3.5	189
10	Collagen structure: new tricks from a very old dog. <i>Biochemical Journal</i> , 2016, 473, 1001-1025.	1.7	182
11	Structural correlations in the family of small leucine-rich repeat proteins and proteoglycans. <i>Journal of Structural Biology</i> , 2006, 155, 294-305.	1.3	180
12	The crystal and molecular structure of a collagen-like peptide with A biologically relevant sequence. <i>Journal of Molecular Biology</i> , 2001, 311, 131-147.	2.0	179
13	X-ray crystallographic determination of a collagen-like peptide with the repeating sequence (Pro-Pro-Gly). <i>Journal of Molecular Biology</i> , 1998, 280, 623-638.	2.0	166
14	Decorin Core Protein (Decoron) Shape Complements Collagen Fibril Surface Structure and Mediates Its Binding. <i>PLoS ONE</i> , 2009, 4, e7028.	1.1	126
15	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. <i>Trends in Biochemical Sciences</i> , 2003, 28, 313-320.	3.7	123
16	Fibrillar Collagens. <i>Sub-Cellular Biochemistry</i> , 2017, 82, 457-490.	1.0	117
17	Structure of an Integrin-Ligand Complex Deduced from Solution X-ray Scattering and Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 39993-39999.	1.6	93
18	Interaction of Coxsackievirus A21 with Its Cellular Receptor, ICAM-1. <i>Journal of Virology</i> , 2001, 75, 2444-2451.	1.5	78

#	ARTICLE	IF	CITATIONS
19	A new method for describing the helical conformation of collagen: Dependence of the triple helical twist on amino acid sequence. <i>Journal of Structural Biology</i> , 2010, 170, 377-391.	1.3	63
20	Cell Recognition and Entry by Rhino- and Enteroviruses. <i>Virology</i> , 2000, 269, 239-247.	1.1	62
21	Conformational Effects of Gly α -X α -Gly Interruptions in the Collagen Triple Helix. <i>Journal of Molecular Biology</i> , 2006, 362, 298-311.	2.0	61
22	Review: Rhinoviruses and Their ICAM Receptors. <i>Journal of Structural Biology</i> , 1999, 128, 69-74.	1.3	54
23	Structural Basis of Type VI Collagen Dimer Formation. <i>Journal of Biological Chemistry</i> , 2003, 278, 15326-15332.	1.6	47
24	ICAM-1 receptors and cold viruses. <i>Pharmaceutica Acta Helveticae</i> , 2000, 74, 291-297.	1.2	41
25	LRRCE: a leucine-rich repeat cysteine capping motif unique to the chordate lineage. <i>BMC Genomics</i> , 2008, 9, 599.	1.2	39
26	Cadherin flexibility provides a key difference between desmosomes and adherens junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5395-5400.	3.3	37
27	Integrin α -collagen complex: a metal α -glutamate handshake. <i>Structure</i> , 2000, 8, R121-R126.	1.6	36
28	Glycine residues induce a helical structure in polyamides. <i>Polymer</i> , 1994, 35, 1291-1297.	1.8	34
29	Collagen-Like Proteins in Pathogenic E. coli Strains. <i>PLoS ONE</i> , 2012, 7, e37872.	1.1	32
30	Role of OSCAR Signaling in Osteoclastogenesis and Bone Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641162.	1.8	31
31	Crystal structure of a helical oligopeptide model of polyglycine II and of other polyamides: Acetyl-(glycyl- ^l 2-alanyl)2-NHpropyl. <i>Biopolymers</i> , 1992, 32, 643-648.	1.2	30
32	Disrupted Collagen Architecture in the Crystal Structure of a Triple-Helical Peptide with a Gly α 1' Ala Substitution. <i>Connective Tissue Research</i> , 1996, 35, 401-406.	1.1	30
33	Alpha-H...O = C hydrogen bonds contribute to the specificity of RGD cell-adhesion interactions. , 2005, 5, 4.		24
34	Structural Basis for Selective Interaction between the ESCRT Regulator HD-PTP and UBAP1. <i>Structure</i> , 2016, 24, 2115-2126.	1.6	22
35	The open architecture of HD-PTP phosphatase provides new insights into the mechanism of regulation of ESCRT function. <i>Scientific Reports</i> , 2017, 7, 9151.	1.6	22
36	The structure of the two amino-terminal domains of human intercellular adhesion molecule-1 suggests how it functions as a rhinovirus receptor. <i>Virus Research</i> , 1999, 62, 107-117.	1.1	19

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37	Quantitative analysis and prediction of curvature in leucine-rich repeat proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 342-358.	1.5	16
38	A first census of collagen interruptions: Collagen's own stutters and stammers. <i>Journal of Structural Biology</i> , 2014, 186, 438-450.	1.3	16
39	Hydroxyapatite-decorated Fmoc-hydrogel as a bone-mimicking substrate for osteoclast differentiation and culture. <i>Acta Biomaterialia</i> , 2022, 138, 144-154.	4.1	15
40	A Role for Soluble N-Ethylmaleimide-sensitive Factor Attachment Protein Receptor Complex Dimerization during Neurosecretion. <i>Molecular Biology of the Cell</i> , 2008, 19, 3379-3389.	0.9	12
41	Chain conformation in polyretropeptides: Quantum mechanical and empirical force field calculations on 2,6,8-trioxo-3,5,9-triazadecane, a model compound for poly(retro-glycine). <i>Biopolymers</i> , 1995, 35, 257-269.	1.2	11
42	Analysis of pre-mRNA and pre-rRNA processing factor Snu13p structure and mutants. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 857-862.	1.0	10
43	A General Phasing Algorithm for Multiple MAD and MIR Data. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 159-174.	2.5	7
44	Incorporation of Natural and Recombinant Collagen Proteins within Fmoc-Based Self-Assembling Peptide Hydrogels. <i>Gels</i> , 2022, 8, 254.	2.1	6
45	On the calculation of the binding force between decorin and collagen. <i>Journal of Biomechanics</i> , 2006, 39, 1159-1160.	0.9	5
46	ICAM-1 receptors and cold viruses. <i>Pharmacochemistry Library</i> , 2000, , 291-297.	0.1	2
47	A Cys-capping motif unique to small leucine-rich repeat proteins and proteoglycans of the extracellular matrix. <i>BMC Systems Biology</i> , 2007, 1, .	3.0	1
48	The dynamics of receptor recognition by human rhinoviruses: Response. <i>Trends in Microbiology</i> , 2000, 8, 254.	3.5	0
49	Analysis of flexible multidomain glycoproteins with SAXS, analytical ultracentrifugation, and torsion-angle molecular dynamics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s45-s45.	0.0	0