Jordi Bella

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7392908/publications.pdf

Version: 2024-02-01

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	Hydroxyapatite-decorated Fmoc-hydrogel as a bone-mimicking substrate for osteoclast differentiation and culture. Acta Biomaterialia, 2022, 138, 144-154.	4.1	15
2	Incorporation of Natural and Recombinant Collagen Proteins within Fmoc-Based Self-Assembling Peptide Hydrogels. Gels, 2022, 8, 254.	2.1	6
3	Role of OSCAR Signaling in Osteoclastogenesis and Bone Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 641162.	1.8	31
4	Fibrillar Collagens. Sub-Cellular Biochemistry, 2017, 82, 457-490.	1.0	117
5	The open architecture of HD-PTP phosphatase provides new insights into the mechanism of regulation of ESCRT function. Scientific Reports, 2017, 7, 9151.	1.6	22
6	Structural Basis for Selective Interaction between the ESCRT Regulator HD-PTP and UBAP1. Structure, 2016, 24, 2115-2126.	1.6	22
7	Collagen structure: new tricks from a very old dog. Biochemical Journal, 2016, 473, 1001-1025.	1.7	182
8	Analysis of flexible multidomain glycoproteins with SAXS, analytical ultracentrifugation, and torsion-angle molecular dynamics. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s45-s45.	0.0	0
9	Cadherin flexibility provides a key difference between desmosomes and adherens junctions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5395-5400.	3.3	37
10	A first census of collagen interruptions: Collagenâ€™s own stutters and stammers. Journal of Structural Biology, 2014, 186, 438-450.	1.3	16
11	Collagen-Like Proteins in Pathogenic E. coli Strains. PLoS ONE, 2012, 7, e37872.	1.1	32
12	A new method for describing the helical conformation of collagen: Dependence of the triple helical twist on amino acid sequence. Journal of Structural Biology, 2010, 170, 377-391.	1.3	63
13	Decorin Core Protein (Decoron) Shape Complements Collagen Fibril Surface Structure and Mediates Its Binding. PLoS ONE, 2009, 4, e7028.	1.1	126
14	Quantitative analysis and prediction of curvature in leucineâ€rich repeat proteins. Proteins: Structure, Function and Bioinformatics, 2009, 77, 342-358.	1.5	16
15	The leucine-rich repeat structure. Cellular and Molecular Life Sciences, 2008, 65, 2307-2333.	2.4	392
16	LRRCE: a leucine-rich repeat cysteine capping motif unique to the chordate lineage. BMC Genomics, 2008, 9, 599.	1.2	39
17	A Role for Soluble N-Ethylmaleimide-sensitive Factor Attachment Protein Receptor Complex Dimerization during Neurosecretion. Molecular Biology of the Cell, 2008, 19, 3379-3389.	0.9	12
18	Collagens at a glance. Journal of Cell Science, 2007, 120, 1955-1958.	1.2	653

#	Article	IF	Citations
19	Analysis of pre-mRNA and pre-rRNA processing factor Snu13p structure and mutants. Biochemical and Biophysical Research Communications, 2007, 360, 857-862.	1.0	10
20	A Cys-capping motif unique to small leucine-rich repeat proteins and proteoglycans of the extracellular matrix. BMC Systems Biology, 2007, 1, .	3.0	1
21	Conformational Effects of Glyâ€“Xâ€“Gly Interruptions in the Collagen Triple Helix. Journal of Molecular Biology, 2006, 362, 298-311.	2.0	61
22	Structural correlations in the family of small leucine-rich repeat proteins and proteoglycans. Journal of Structural Biology, 2006, 155, 294-305.	1.3	180
23	On the calculation of the binding force between decorin and collagen. Journal of Biomechanics, 2006, 39, 1159-1160.	0.9	5
24	Calpha-H...O = C hydrogen bonds contribute to the specificity of RGD cell-adhesion interactions. , 2005, 5, 4.		24
25	Crystal structure of the dimeric protein core of decorin, the archetypal small leucine-rich repeat proteoglycan. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15633-15638.	3.3	193
26	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. Trends in Biochemical Sciences, 2003, 28, 313-320.	3.7	123
27	Structural Basis of Type VI Collagen Dimer Formation. Journal of Biological Chemistry, 2003, 278, 15326-15332.	1.6	47
28	Structure of an Integrin-Ligand Complex Deduced from Solution X-ray Scattering and Site-directed Mutagenesis. Journal of Biological Chemistry, 2003, 278, 39993-39999.	1.6	93
29	The crystal and molecular structure of a collagen-like peptide with A biologically relevant sequence. Journal of Molecular Biology, 2001, 311, 131-147.	2.0	179
30	Interaction of Coxsackievirus A21 with Its Cellular Receptor, ICAM-1. Journal of Virology, 2001, 75, 2444-2451.	1.5	78
31	ICAM-1 receptors and cold viruses. Pharmacochemistry Library, 2000, , 291-297.	0.1	2
32	Integrinâ€“collagen complex: a metalâ€“glutamate handshake. Structure, 2000, 8, R121-R126.	1.6	36
33	ICAM-1 receptors and cold viruses. Pharmaceutica Acta Helvetiae, 2000, 74, 291-297.	1.2	41
34	Cell Recognition and Entry by Rhino- and Enteroviruses. Virology, 2000, 269, 239-247.	1.1	62
35	Staggered molecular packing in crystals of a collagen-like peptide with a single charged pair. Journal of Molecular Biology, 2000, 301, 1191-1205.	2.0	197
36	The dynamics of receptor recognition by human rhinoviruses: Response. Trends in Microbiology, 2000, 8, 254.	3.5	0

#	Article	IF	Citations
37	Sequence dependent conformational variations of collagen triple-helical structure. Nature Structural Biology, 1999, 6, 454-457.	9.7	277
38	X-ray Crystallographic Structure of the Norwalk Virus Capsid. Science, 1999, 286, 287-290.	6.0	820
39	The structure of the two amino-terminal domains of human intercellular adhesion molecule-1 suggests how it functions as a rhinovirus receptor. Virus Research, 1999, 62, 107-117.	1.1	19
40	Structural studies of two rhinovirus serotypes complexed with fragments of their cellular receptor. EMBO Journal, 1999, 18, 6249-6259.	3.5	189
41	Review: Rhinoviruses and Their ICAM Receptors. Journal of Structural Biology, 1999, 128, 69-74.	1.3	54
42	A General Phasing Algorithm for Multiple MAD and MIR Data. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 159-174.	2.5	7
43	X-ray crystallographic determination of a collagen-like peptide with the repeating sequence (Pro-Pro-Gly). Journal of Molecular Biology, 1998, 280, 623-638.	2.0	166
44	Disrupted Collagen Architecture in the Crystal Structure of a Triple-Helical Peptide with a Gly â†' Ala Substitution. Connective Tissue Research, 1996, 35, 401-406.	1.1	30
45	Crystallographic Evidence for CÎ±â€“HÂ·Â·Â·O=C Hydrogen Bonds in a Collagen Triple Helix. Journal of Molecular Biology, 1996, 264, 734-742.	2.0	209
46	Hydration structure of a collagen peptide. Structure, 1995, 3, 893-906.	1.6	570
47	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). Biopolymers, 1995, 35, 257-269.	1.2	11
48	Glycine residues induce a helical structure in polyamides. Polymer, 1994, 35, 1291-1297.	1.8	34
49	Crystal structure of a helical oligopeptide model of polyglycine II and of other polyamides: Acetyl-(glycyl-Î²-alanyl)2-NHpropyl. Biopolymers, 1992, 32, 643-648.	1.2	30