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List of Publications by Year in descending order

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49 papers	5,529 citations	159585 30 h-index	223800 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. Science, 1999, 286, 287-290.	12.6	820
2	Collagens at a glance. Journal of Cell Science, 2007, 120, 1955-1958.	2.0	653
3	Hydration structure of a collagen peptide. Structure, 1995, 3, 893-906.	3.3	570
4	The leucine-rich repeat structure. Cellular and Molecular Life Sciences, 2008, 65, 2307-2333.	5.4	392
5	Sequence dependent conformational variations of collagen triple-helical structure. Nature Structural Biology, 1999, 6, 454-457.	9.7	277
6	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.	4.2	209
7	Staggered molecular packing in crystals of a collagen-like peptide with a single charged pair. Journal of Molecular Biology, 2000, 301, 1191-1205.	4.2	197
8	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.	7.1	193
9	Structural studies of two rhinovirus serotypes complexed with fragments of their cellular receptor. EMBO Journal, 1999, 18, 6249-6259.	7.8	189
10	Collagen structure: new tricks from a very old dog. Biochemical Journal, 2016, 473, 1001-1025.	3.7	182
11	Structural correlations in the family of small leucine-rich repeat proteins and proteoglycans. Journal of Structural Biology, 2006, 155, 294-305.	2.8	180
12	The crystal and molecular structure of a collagen-like peptide with A biologically relevant sequence. Journal of Molecular Biology, 2001, 311, 131-147.	4.2	179
13	X-ray crystallographic determination of a collagen-like peptide with the repeating sequence (Pro-Pro-Gly). Journal of Molecular Biology, 1998, 280, 623-638.	4.2	166
14	Decorin Core Protein (Decoron) Shape Complements Collagen Fibril Surface Structure and Mediates Its Binding. PLoS ONE, 2009, 4, e7028.	2.5	126
15	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. Trends in Biochemical Sciences, 2003, 28, 313-320.	7.5	123
16	Fibrillar Collagens. Sub-Cellular Biochemistry, 2017, 82, 457-490.	2.4	117
17	Structure of an Integrin-Ligand Complex Deduced from Solution X-ray Scattering and Site-directed Mutagenesis. Journal of Biological Chemistry, 2003, 278, 39993-39999.	3.4	93
18	Interaction of Coxsackievirus A21 with Its Cellular Receptor, ICAM-1. Journal of Virology, 2001, 75, 2444-2451.	3.4	78

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19	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.	2.8	63
20	Cell Recognition and Entry by Rhino- and Enteroviruses. Virology, 2000, 269, 239-247.	2.4	62
21	Conformational Effects of Glyâ€“Xâ€“Gly Interruptions in the Collagen Triple Helix. Journal of Molecular Biology, 2006, 362, 298-311.	4.2	61
22	Review: Rhinoviruses and Their ICAM Receptors. Journal of Structural Biology, 1999, 128, 69-74.	2.8	54
23	Structural Basis of Type VI Collagen Dimer Formation. Journal of Biological Chemistry, 2003, 278, 15326-15332.	3.4	47
24	ICAM-1 receptors and cold viruses. Pharmaceutica Acta Helvetiae, 2000, 74, 291-297.	1.2	41
25	LRRCE: a leucine-rich repeat cysteine capping motif unique to the chordate lineage. BMC Genomics, 2008, 9, 599.	2.8	39
26	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.	7.1	37
27	Integrinâ€“collagen complex: a metalâ€“glutamate handshake. Structure, 2000, 8, R121-R126.	3.3	36
28	Glycine residues induce a helical structure in polyamides. Polymer, 1994, 35, 1291-1297.	3.8	34
29	Collagen-Like Proteins in Pathogenic E. coli Strains. PLoS ONE, 2012, 7, e37872.	2.5	32
30	Role of OSCAR Signaling in Osteoclastogenesis and Bone Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 641162.	3.7	31
31	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.	2.4	30
32	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.	2.3	30
33	Calpha-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. Structure, 2016, 24, 2115-2126.	3.3	22
35	The open architecture of HD-PTP phosphatase provides new insights into the mechanism of regulation of ESCRT function. Scientific Reports, 2017, 7, 9151.	3.3	22
36	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.	2.2	19

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37	Quantitative analysis and prediction of curvature in leucineâ€rich repeat proteins. Proteins: Structure, Function and Bioinformatics, 2009, 77, 342-358.	2.6	16
38	A first census of collagen interruptions: Collagenâ€™s own stutters and stammers. Journal of Structural Biology, 2014, 186, 438-450.	2.8	16
39	Hydroxyapatite-decorated Fmoc-hydrogel as a bone-mimicking substrate for osteoclast differentiation and culture. Acta Biomaterialia, 2022, 138, 144-154.	8.3	15
40	A Role for Soluble N-Ethylmaleimide-sensitive Factor Attachment Protein Receptor Complex Dimerization during Neurosecretion. Molecular Biology of the Cell, 2008, 19, 3379-3389.	2.1	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). Biopolymers, 1995, 35, 257-269.	2.4	11
42	Analysis of pre-mRNA and pre-rRNA processing factor Snu13p structure and mutants. Biochemical and Biophysical Research Communications, 2007, 360, 857-862.	2.1	10
43	A General Phasing Algorithm for Multiple MAD and MIR Data. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 159-174.	2.5	7
44	Incorporation of Natural and Recombinant Collagen Proteins within Fmoc-Based Self-Assembling Peptide Hydrogels. Gels, 2022, 8, 254.	4.5	6
45	On the calculation of the binding force between decorin and collagen. Journal of Biomechanics, 2006, 39, 1159-1160.	2.1	5
46	ICAM-1 receptors and cold viruses. Pharmacochemistry Library, 2000, , 291-297.	0.1	2
47	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
48	The dynamics of receptor recognition by human rhinoviruses: Response. Trends in Microbiology, 2000, 8, 254.	7.7	0
49	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.	0.1	0