List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Single-Molecule Fluorescence Experiments Determine Protein Folding Transition Path Times. Science, 2012, 335, 981-984.	6.0	360
2	Characterizing the unfolded states of proteins using single-molecule FRET spectroscopy and molecular simulations. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1528-1533.	3.3	327
3	Experimental determination of upper bound for transition path times in protein folding from single-molecule photon-by-photon trajectories. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11837-11844.	3.3	262
4	Flap opening and dimer-interface flexibility in the free and inhibitor-bound HIV protease, and their implications for function. Structure, 1999, 7, 1047-S12.	1.6	243
5	A simple apparatus for generating stretched polyacrylamide gels, yielding uniform alignment of proteins and detergent micelles. Journal of Biomolecular NMR, 2001, 21, 377-382.	1.6	223
6	High Resolution Crystal Structures of HIV-1 Protease with a Potent Non-peptide Inhibitor (UIC-94017) Active Against Multi-drug-resistant Clinical Strains. Journal of Molecular Biology, 2004, 338, 341-352.	2.0	205
7	Rapid structural fluctuations of the free HIV protease flaps in solution: Relationship to crystal structures and comparison with predictions of dynamics calculations. Protein Science, 2009, 11, 221-232.	3.1	186
8	Autoprocessing of HIV-1 protease is tightly coupled to protein folding. Nature Structural Biology, 1999, 6, 868-875.	9.7	168
9	NMR study of the tetrameric KcsA potassium channel in detergent micelles. Protein Science, 2006, 15, 684-698.	3.1	165
10	Crystal structure of cyanovirin-N, a potent HIV-inactivating protein, shows unexpected domain swapping. Journal of Molecular Biology, 1999, 288, 403-412.	2.0	160
11	Structure and dynamics of KH domains from FBP bound to single-stranded DNA. Nature, 2002, 415, 1051-1056.	13.7	150
12	The complete influenza hemagglutinin fusion domain adopts a tight helical hairpin arrangement at the lipid:water interface. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11341-11346.	3.3	142
13	Ultra-high Resolution Crystal Structure of HIV-1 Protease Mutant Reveals Two Binding Sites for Clinical Inhibitor TMC114. Journal of Molecular Biology, 2006, 363, 161-173.	2.0	136
14	Dimerization of the class A G protein-coupled neurotensin receptor NTS1 alters G protein interaction. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12199-12204.	3.3	134
15	Structural Basis for SRY-dependent 46-X,Y Sex Reversal: Modulation of DNA Bending by a Naturally Occurring Point Mutation. Journal of Molecular Biology, 2001, 312, 481-499.	2.0	132
16	Structural implications of drug-resistant mutants of HIV-1 protease: High-resolution crystal structures of the mutant protease/substrate analogue complexes. Proteins: Structure, Function and Bioinformatics, 2001, 43, 455-464.	1.5	125
17	Design of a Novel Peptide Inhibitor of HIV Fusion That Disrupts the Internal Trimeric Coiled-coil of gp41. Journal of Biological Chemistry, 2002, 277, 14238-14245.	1.6	125
18	The structure of a replication initiator unites diverse aspects of nucleic acid metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10310-10315.	3.3	123

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19	The Domain-Swapped Dimer of Cyanovirin-N Is in a Metastable Folded State. Structure, 2002, 10, 673-686.	1.6	123
20	Visualizing transient events in amino-terminal autoprocessing of HIV-1 protease. Nature, 2008, 455, 693-696.	13.7	123
21	Evolution of cyclic peptide protease inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11052-11056.	3.3	118
22	Structural and kinetic analysis of drug resistant mutants of HIV-1 protease. FEBS Journal, 1999, 263, 238-244.	0.2	115
23	Kinetic and modeling studies of S3-S3' subsites of HIV proteinases. Biochemistry, 1992, 31, 4793-4800.	1.2	113
24	Comparison of Methyl Rotation Axis Order Parameters Derived from Model-Free Analyses of2H and13C Longitudinal and Transverse Relaxation Rates Measured in the Same Protein Sample. Journal of the American Chemical Society, 2001, 123, 6164-6171.	6.6	100
25	Structure and Orientation of a G Protein Fragment in the Receptor Bound State from Residual Dipolar Couplings. Journal of Molecular Biology, 2002, 322, 441-461.	2.0	95
26	HIVâ€l Protease: Structure, Dynamics, and Inhibition. Advances in Pharmacology, 2007, 55, 261-298.	1.2	95
27	Extracting Rate Coefficients from Single-Molecule Photon Trajectories and FRET Efficiency Histograms for a Fast-Folding Protein. Journal of Physical Chemistry A, 2011, 115, 3642-3656.	1.1	95
28	Covalent Trimers of the Internal N-terminal Trimeric Coiled-coil of gp41 and Antibodies Directed against Them Are Potent Inhibitors of HIV Envelope-mediated Cell Fusion. Journal of Biological Chemistry, 2003, 278, 20278-20285.	1.6	94
29	Design and Properties of NCCG-gp41, a Chimeric gp41 Molecule with Nanomolar HIV Fusion Inhibitory Activity. Journal of Biological Chemistry, 2001, 276, 29485-29489.	1.6	88
30	Measurement of 15N relaxation in the detergent-solubilized tetrameric KcsA potassium channel. Journal of Biomolecular NMR, 2006, 36, 123-136.	1.6	86
31	Hydrophilic Peptides Derived from the Transframe Region of Gag-Pol Inhibit the HIV-1 Proteaseâ€. Biochemistry, 1998, 37, 2105-2110.	1.2	85
32	Folded Monomer of HIV-1 Protease. Journal of Biological Chemistry, 2001, 276, 49110-49116.	1.6	85
33	A solution NMR study of the binding kinetics and the internal dynamics of an HIV-1 protease-substrate complex. Protein Science, 2003, 12, 1376-1385.	3.1	84
34	Transverse13C Relaxation of CHD2Methyl Isotopmers To Detect Slow Conformational Changes of Protein Side Chains. Journal of the American Chemical Society, 1999, 121, 11589-11590.	6.6	82
35	A Protein Contortionist: Core Mutations of GB1 that Induce Dimerization and Domain Swapping. Journal of Molecular Biology, 2003, 333, 141-152.	2.0	78
36	HIV-1 Protease with 20 Mutations Exhibits Extreme Resistance to Clinical Inhibitors through Coordinated Structural Rearrangements. Biochemistry, 2012, 51, 2819-2828.	1.2	78

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37	Solution Structure of the Mature HIV-1 Protease Monomer. Journal of Biological Chemistry, 2003, 278, 43311-43319.	1.6	76
38	Insights into Conformation and Dynamics of Protein GB1 During Folding and Unfolding by NMR. Journal of Molecular Biology, 2004, 335, 1299-1307.	2.0	75
39	Solution NMR Structure of the Barrier-to-Autointegration Factor-Emerin Complex. Journal of Biological Chemistry, 2007, 282, 14525-14535.	1.6	75
40	Carbonyl carbon transverse relaxation dispersion measurements and ms-μs timescale motion in a protein hydrogen bond network. Journal of Biomolecular NMR, 2004, 29, 187-198.	1.6	73
41	Effect of the Active Site D25N Mutation on the Structure, Stability, and Ligand Binding of the Mature HIV-1 Protease. Journal of Biological Chemistry, 2008, 283, 13459-13470.	1.6	73
42	Autoprocessing of the HIV-1 protease using purified wild-type and mutated fusion proteins expressed at high levels in Escherichia coli. FEBS Journal, 1991, 199, 361-369.	0.2	71
43	Crystal structures of HIV protease V82A and L90M mutants reveal changes in the indinavir-binding site. FEBS Journal, 2004, 271, 1516-1524.	0.2	71
44	pH-triggered, activated-state conformations of the influenza hemagglutinin fusion peptide revealed by NMR. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19994-19999.	3.3	71
45	Covalent narlaprevir- and boceprevir-derived hybrid inhibitors of SARS-CoV-2 main protease. Nature Communications, 2022, 13, 2268.	5.8	69
46	Kinetic, Stability, and Structural Changes in High-resolution Crystal Structures of HIV-1 Protease with Drug-resistant Mutations L24I, I50V, and G73S. Journal of Molecular Biology, 2005, 354, 789-800.	2.0	68
47	HIV-I protease: Maturation, enzyme specificity, and drug resistance. Advances in Pharmacology, 2000, 49, 111-146.	1.2	67
48	Effect of sequence polymorphism and drug resistance on two HIV-1 Gag processing sites. FEBS Journal, 2002, 269, 4114-4120.	0.2	64
49	The effect of salt on the Michaelis Menten constant of the HIV-1 protease correlates with the Hofmeister series. FEBS Letters, 1991, 280, 344-346.	1.3	63
50	Inhibition of autoprocessing of natural variants and multidrug resistant mutant precursors of HIV-1 protease by clinical inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9072-9077.	3.3	63
51	Comparison of the substrate specificity of the human T-cell leukemia virus and human immunodeficiency virus proteinases. FEBS Journal, 2000, 267, 6287-6295.	0.2	59
52	Conformational Changes in HIV-1 gp41 in the Course of HIV-1 Envelope Glycoprotein-Mediated Fusion and Inactivationâ€. Biochemistry, 2005, 44, 12471-12479.	1.2	59
53	Preparation of Uniformly Isotope-labeled DNA Oligonucleotides for NMR Spectroscopy. Journal of Biological Chemistry, 1998, 273, 2374-2378.	1.6	58
54	Mapping the Binding of the N-terminal Extracellular Tail of the CXCR4 Receptor to Stromal Cell-derived Factor-11±. Journal of Molecular Biology, 2005, 345, 651-658.	2.0	58

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55	Coâ€Evolutionary Fitness Landscapes for Sequence Design. Angewandte Chemie - International Edition, 2018, 57, 5674-5678.	7.2	58
56	A Transient Precursor of the HIV-1 Protease. Journal of Biological Chemistry, 1996, 271, 4477-4481.	1.6	57
57	Cross-reactive HIV-1 neutralizing monoclonal antibodies selected by screening of an immune human phage library against an envelope glycoprotein (gp140) isolated from a patient (R2) with broadly HIV-1 neutralizing antibodies. Virology, 2007, 363, 79-90.	1.1	57
58	Internal Dynamics of the Homotrimeric HIVâ€1 Viral Coat Protein gp41 on Multiple Time Scales. Angewandte Chemie - International Edition, 2013, 52, 3911-3915.	7.2	57
59	Testing Landscape Theory for Biomolecular Processes with Single Molecule Fluorescence Spectroscopy. Physical Review Letters, 2015, 115, 018101.	2.9	57
60	Distinguishing between Protein Dynamics and Dye Photophysics inÂSingle-Molecule FRET Experiments. Biophysical Journal, 2010, 98, 696-706.	0.2	55
61	Proteolytic Processing of HIV-1 Protease Precursor, Kinetics and Mechanism. Journal of Biological Chemistry, 1999, 274, 23437-23442.	1.6	54
62	Chemical synthesis and expression of the HIV-1 protease gene in E.coli. Biochemical and Biophysical Research Communications, 1989, 159, 87-94.	1.0	52
63	Stabilization from Autoproteolysis and Kinetic Characterization of the Human T-cell Leukemia Virus Type 1 Proteinase. Journal of Biological Chemistry, 1999, 274, 6660-6666.	1.6	52
64	Revisiting Monomeric HIV-1 Protease. Journal of Biological Chemistry, 2003, 278, 6085-6092.	1.6	51
65	Mutational and Structural Studies Aimed at Characterizing the Monomer of HIV-1 Protease and Its Precursor. Journal of Biological Chemistry, 2007, 282, 17190-17199.	1.6	51
66	Antibody elicited against the gp41 N-heptad repeat (NHR) coiled-coil can neutralize HIV-1 with modest potency but non-neutralizing antibodies also bind to NHR mimetics. Virology, 2008, 377, 170-183.	1.1	50
67	Influence of Flanking Sequences on the Dimer Stability of Human Immunodeficiency Virus Type 1 Proteaseâ€. Biochemistry, 1996, 35, 12957-12962.	1.2	49
68	A Captured Folding Intermediate Involved in Dimerization and Domain-swapping of GB1. Journal of Molecular Biology, 2004, 340, 615-625.	2.0	49
69	Mechanism of Drug Resistance Revealed by the Crystal Structure of the Unliganded HIV-1 Protease with F53L Mutation. Journal of Molecular Biology, 2006, 358, 1191-1199.	2.0	48
70	Characterization of two hydrophobic methyl clusters in HIV-1 protease by NMR spin relaxation in solution11Edited by P. E. Wright. Journal of Molecular Biology, 2001, 305, 515-521.	2.0	47
71	Combining mutations in HIV-1 protease to understand mechanisms of resistance. Proteins: Structure, Function and Bioinformatics, 2002, 48, 107-116.	1.5	46
72	The GB1 Amyloid Fibril: Recruitment of the Peripheral β-Strands of the Domain Swapped Dimer into the Polymeric Interface. Journal of Molecular Biology, 2005, 348, 687-698.	2.0	45

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73	Oligomerization of the tetramerization domain of p53 probed by two- and three-color single-molecule FRET. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6812-E6821.	3.3	45
74	Caught in the Act:  The 1.5 à Resolution Crystal Structures of the HIV-1 Protease and the I54V Mutant Reveal a Tetrahedral Reaction Intermediate. Biochemistry, 2007, 46, 14854-14864.	1.2	44
75	Structural Evidence for Effectiveness of Darunavir and Two Related Antiviral Inhibitors against HIV-2 Protease. Journal of Molecular Biology, 2008, 384, 178-192.	2.0	44
76	Structural Basis of HIV-1 Neutralization by Affinity Matured Fabs Directed against the Internal Trimeric Coiled-Coil of gp41. PLoS Pathogens, 2010, 6, e1001182.	2.1	44
77	Thegagprecursor contains a specific HIV-1 protease cleavage site between the NC (P7) and P1 proteins. FEBS Letters, 1993, 333, 21-24.	1.3	43
78	Measuring ultrafast protein folding rates from photon-by-photon analysis of single molecule fluorescence trajectories. Chemical Physics, 2013, 422, 229-237.	0.9	43
79	Longâ€Range Electrostaticsâ€Induced Twoâ€Proton Transfer Captured by Neutron Crystallography in an Enzyme Catalytic Site. Angewandte Chemie - International Edition, 2016, 55, 4924-4927.	7.2	42
80	Structural Basis for Specificity of Retroviral Proteasesâ€. Biochemistry, 1998, 37, 4518-4526.	1.2	41
81	The point mutation A34F causes dimerization of GB1. Proteins: Structure, Function and Bioinformatics, 2008, 71, 1420-1431.	1.5	41
82	Dissociation of the trimeric gp41 ectodomain at the lipid–water interface suggests an active role in HIV-1 Env-mediated membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3425-3430.	3.3	41
83	A diverse view of protein dynamics from NMR studies of HIVâ€1 protease flaps. Proteins: Structure, Function and Bioinformatics, 2008, 70, 1408-1415.	1.5	40
84	Crystallographic Analysis of Human Immunodeficiency Virus 1 Protease with an Analog of the Conserved CA-p2 Substrate. Interactions with Frequently Occurring Glutamic Acid Residue at P2' Position of Substrates. FEBS Journal, 1997, 249, 523-530.	0.2	39
85	A rapid method to attain isotope labeled small soluble peptides for NMR studies. Journal of Biomolecular NMR, 2003, 26, 193-202.	1.6	39
86	Tilted, Uninterrupted, Monomeric HIV-1 gp41 Transmembrane Helix from Residual Dipolar Couplings. Journal of the American Chemical Society, 2018, 140, 34-37.	6.6	39
87	Structural Studies of a Rationally Selected Multi-Drug Resistant HIV-1 Protease Reveal Synergistic Effect of Distal Mutations on Flap Dynamics. PLoS ONE, 2016, 11, e0168616.	1.1	39
88	Critical differences in HIVâ€1 and HIVâ€2 protease specificity for clinical inhibitors. Protein Science, 2012, 21, 339-350.	3.1	38
89	Dependence of Distance Distributions Derived from Double Electron–Electron Resonance Pulsed EPR Spectroscopy on Pulse‣equence Time. Angewandte Chemie - International Edition, 2015, 54, 5336-5339.	7.2	38
90	Effect of substrate residues on the P2' preference of retroviral proteinases. FEBS Journal, 1999, 264, 921-929.	0.2	37

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91	A Monoclonal Fab Derived from a Human Nonimmune Phage Library Reveals a New Epitope on gp41 and Neutralizes Diverse Human Immunodeficiency Virus Type 1 Strains. Journal of Virology, 2007, 81, 12946-12953.	1.5	37
92	Helical Hairpin Structure of Influenza Hemagglutinin Fusion Peptide Stabilized by Chargeâ^'Dipole Interactions between the N-Terminal Amino Group and the Second Helix. Journal of the American Chemical Society, 2011, 133, 2824-2827.	6.6	36
93	Observation of β-Amyloid Peptide Oligomerization by Pressure-Jump NMR Spectroscopy. Journal of the American Chemical Society, 2019, 141, 13762-13766.	6.6	36
94	Studies on the Symmetry and Sequence Context Dependence of the HIV-1 Proteinase Specificity. Journal of Biological Chemistry, 1997, 272, 16807-16814.	1.6	35
95	Binding kinetics and substrate selectivity in HIV-1 proteaseâ <sup>°°</sup> Gag interactions probed at atomic resolution by chemical exchange NMR. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9855-E9862.	3.3	35
96	Extreme Multidrug Resistant HIV-1 Protease with 20 Mutations Is Resistant to Novel Protease Inhibitors with P1′-Pyrrolidinone or P2-Tris-tetrahydrofuran. Journal of Medicinal Chemistry, 2013, 56, 4017-4027.	2.9	34
97	Analysis of Fluorescence Lifetime and Energy Transfer Efficiency in Single-Molecule Photon Trajectories of Fast-Folding Proteins. Journal of Physical Chemistry B, 2016, 120, 680-699.	1.2	34
98	Local and global structure of the monomeric subunit of the potassium channel KcsA probed by NMR. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 3260-3270.	1.4	33
99	Three-Color Single-Molecule FRET and Fluorescence Lifetime Analysis of Fast Protein Folding. Journal of Physical Chemistry B, 2018, 122, 11702-11720.	1.2	33
100	Substitution mutations of the highly conserved arginine 87 of HIV-1 protease result in loss of proteolytic activity. Biochemical and Biophysical Research Communications, 1989, 164, 30-38.	1.0	32
101	Solution Structure of a Circular-permuted Variant of the Potent HIV-inactivating Protein Cyanovirin-N: Structural Basis for Protein Stability and Oligosaccharide Interaction. Journal of Molecular Biology, 2003, 325, 211-223.	2.0	32
102	Structural, Electronic, and Electrostatic Determinants for Inhibitor Binding to Subsites S1 and S2 in SARS-CoV-2 Main Protease. Journal of Medicinal Chemistry, 2021, 64, 17366-17383.	2.9	32
103	Optimized labeling of 13CHD2 methyl isotopomers in perdeuterated proteins: potential advantages for 13C relaxation studies of methyl dynamics of larger proteins. Journal of Biomolecular NMR, 2001, 21, 167-171.	1.6	30
104	Evidence of Distinct Channel Conformations and Substrate Binding Affinities for the Mitochondrial Outer Membrane Protein Translocase Pore Tom40. Journal of Biological Chemistry, 2015, 290, 26204-26217.	1.6	30
105	The Regulation of Dictyostelium Development by Transmembrane Signalling. Journal of Eukaryotic Microbiology, 1995, 42, 200-205.	0.8	29
106	Whole-Body Rocking Motion of a Fusion Peptide in Lipid Bilayers from Size-Dispersed <sup>15</sup> N NMR Relaxation. Journal of the American Chemical Society, 2011, 133, 14184-14187.	6.6	29
107	Terminal Interface Conformations Modulate Dimer Stability Prior to Amino Terminal Autoprocessing of HIV-1 Protease. Biochemistry, 2012, 51, 1041-1050.	1.2	29
108	Probing the mechanism of inhibition of amyloid-β(1–42)–induced neurotoxicity by the chaperonin GroEL. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11924-E11932.	3.3	29

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109	Biophysical Characterization of gp41 Aggregates Suggests a Model for the Molecular Mechanism of HIV-associated Neurological Damage and Dementia. Journal of Biological Chemistry, 2000, 275, 19877-19882.	1.6	28
110	Transient lipid-bound states of spike protein heptad repeats provide insights into SARS-CoV-2 membrane fusion. Science Advances, 2021, 7, eabk2226.	4.7	28
111	Structure and dynamics of MarA-DNA complexes: an NMR investigation. Journal of Molecular Biology, 2001, 314, 113-127.	2.0	27
112	Characterization and HIV-1 Fusion Inhibitory Properties of Monoclonal Fabs Obtained From a Human Non-immune Phage Library Selected Against Diverse Epitopes of the Ectodomain of HIV-1 gp41. Journal of Molecular Biology, 2005, 353, 945-951.	2.0	27
113	Fast three-color single-molecule FRET using statistical inference. Nature Communications, 2020, 11, 3336.	5.8	27
114	The impact of influenza hemagglutinin fusion peptide length and viral subtype on its structure and dynamics. Biopolymers, 2013, 99, 189-195.	1.2	26
115	Structures of Darunavir-Resistant HIV-1 Protease Mutant Reveal Atypical Binding of Darunavir to Wide Open Flaps. ACS Chemical Biology, 2014, 9, 1351-1358.	1.6	26
116	Allosteric control of hemoglobin S fiber formation by oxygen and its relation to the pathophysiology of sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15018-15027.	3.3	26
117	The L76V Drug Resistance Mutation Decreases the Dimer Stability and Rate of Autoprocessing of HIV-1 Protease by Reducing Internal Hydrophobic Contacts. Biochemistry, 2011, 50, 4786-4795.	1.2	25
118	Conformation of Inhibitorâ€Free HIVâ€1 Protease Derived from NMR Spectroscopy in a Weakly Oriented Solution. ChemBioChem, 2015, 16, 214-218.	1.3	25
119	Transient HIV-1 Gag–protease interactions revealed by paramagnetic NMR suggest origins of compensatory drug resistance mutations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12456-12461.	3.3	25
120	Room Temperature Neutron Crystallography of Drug Resistant HIV-1 Protease Uncovers Limitations of X-ray Structural Analysis at 100 K. Journal of Medicinal Chemistry, 2017, 60, 2018-2025.	2.9	25
121	Michaelis-like complex of SARS-CoV-2 main protease visualized by room-temperature X-ray crystallography. IUCrJ, 2021, 8, 973-979.	1.0	25
122	Synergistic Inhibition of HIV-1 Envelope-Mediated Membrane Fusion by Inhibitors Targeting the N and C-Terminal Heptad Repeats of gp41. Journal of Molecular Biology, 2006, 364, 283-289.	2.0	23
123	Temperature-Dependent Intermediates in HIV-1 Envelope Glycoprotein-Mediated Fusion Revealed by Inhibitors that Target N- and C-Terminal Helical Regions of HIV-1 gp41. Biochemistry, 2004, 43, 8230-8233.	1.2	22
124	Mixed-time parallel evolution in multiple quantum NMR experiments: sensitivity and resolution enhancement in heteronuclear NMR. Journal of Biomolecular NMR, 2007, 37, 195-204.	1.6	22
125	Affinity maturation by targeted diversification of the CDR-H2 loop of a monoclonal Fab derived from a synthetic naÃ <sup>-</sup> ve human antibody library and directed against the internal trimeric coiled-coil of gp41 yields a set of Fabs with improved HIV-1 neutralization potency and breadth. Virology, 2009, 393, 112-119.	1.1	22
126	Revealing the dimer dissociation and existence of a folded monomer of the mature HIVâ $\in 2$ protease. Protein Science, 2009, 18, 2442-2453.	3.1	22

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127	Autocatalytic maturation, physical/chemical properties, and crystal structure of group N HIVâ€1 protease: Relevance to drug resistance. Protein Science, 2010, 19, 2055-2072.	3.1	22
128	β-Adrenergic regulation of c-fos gene expression in an epithelial cell line. FEBS Letters, 1988, 240, 118-122.	1.3	21
129	Characterization of the Cholesteric Phase of Filamentous Bacteriophage fd for Molecular Alignment. Journal of Magnetic Resonance, 2001, 149, 154-158.	1.2	21
130	Interactions of different inhibitors with activeâ€site aspartyl residues of HIVâ€1 protease and possible relevance to pepsin. Proteins: Structure, Function and Bioinformatics, 2009, 75, 556-568.	1.5	21
131	Pressureâ€induced structural transition of mature <scp>HIV</scp> â€1 protease from a combined <scp>NMR/MD</scp> simulation approach. Proteins: Structure, Function and Bioinformatics, 2015, 83, 2117-2123.	1.5	21
132	Binding of Clinical Inhibitors to a Model Precursor of a Rationally Selected Multidrug Resistant HIV-1 Protease Is Significantly Weaker Than That to the Released Mature Enzyme. Biochemistry, 2016, 55, 2390-2400.	1.2	21
133	Modulation of the monomer-dimer equilibrium and catalytic activity of SARS-CoV-2 main protease by a transition-state analog inhibitor. Communications Biology, 2022, 5, 160.	2.0	20
134	Effects of an HIV-1 maturation inhibitor on the structure and dynamics of CA-SP1 junction helices in virus-like particles. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10286-10293.	3.3	19
135	Purification of HIV-1 wild-type protease and characterization of proteolytically inactive HIV-1 protease mutants by pepstatin A affinity chromatography. FEBS Letters, 1991, 280, 347-350.	1.3	18
136	Is human thioredoxin monomeric or dimeric?. Protein Science, 1999, 8, 426-429.	3.1	18
137	Highly conserved glycine 86 and arginine 87 residues contribute differently to the structure and activity of the mature HIVâ€1 protease. Proteins: Structure, Function and Bioinformatics, 2010, 78, 1015-1025.	1.5	18
138	Effect of salt on the kinetic parameters of retroviral and mammalian aspartic acid proteases. Bioorganic Chemistry, 1992, 20, 67-76.	2.0	17
139	Design and initial characterization of a circular permuted variant of the potent HIV-inactivating protein cyanovirin-N. Proteins: Structure, Function and Bioinformatics, 2002, 46, 153-160.	1.5	17
140	Complexes of Neutralizing and Non-Neutralizing Affinity Matured Fabs with a Mimetic of the Internal Trimeric Coiled-Coil of HIV-1 gp41. PLoS ONE, 2013, 8, e78187.	1.1	17
141	Constraints on the Structure of Fibrils Formed by a Racemic Mixture of Amyloid-Î <sup>2</sup> Peptides from Solid-State NMR, Electron Microscopy, and Theory. Journal of the American Chemical Society, 2021, 143, 13299-13313.	6.6	17
142	Cloning of the bovine leukemia virus proteinase in Escherichia coli and comparison of its specificity to that of human T-cell leukemia virus proteinase. BBA - Proteins and Proteomics, 2000, 1478, 1-8.	2.1	16
143	NMR solution structure of a cyanovirin homolog from wheat head blight fungus. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1538-1549.	1.5	16
144	1H, 13C, 15N resonance assignments and fold verification of a circular permuted variant of the potent HIV-inactivating protein cyanovirin-N. Journal of Biomolecular NMR, 2001, 19, 289-290.	1.6	15

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145	Complete dissociation of the HIV-1 gp41 ectodomain and membrane proximal regions upon phospholipid binding. Journal of Biomolecular NMR, 2015, 61, 235-248.	1.6	15
146	Evolution under Drug Pressure Remodels the Folding Free-Energy Landscape of Mature HIV-1 Protease. Journal of Molecular Biology, 2016, 428, 2780-2792.	2.0	15
147	Importance of time-ordered non-uniform sampling of multi-dimensional NMR spectra of Aβ1–42 peptide under aggregating conditions. Journal of Biomolecular NMR, 2019, 73, 429-441.	1.6	15
148	Effect of serine and tyrosine phosphorylation on retroviral proteinase substrates. FEBS Journal, 1999, 265, 423-429.	0.2	14
149	A weakened interface in the P182L variant of HSP27 associated with severe Charcotâ€Marieâ€Tooth neuropathy causes aberrant binding to interacting proteins. EMBO Journal, 2021, 40, e103811.	3.5	14
150	Modulation of Human Immunodeficiency Virus Type 1 Protease Autoprocessing by Charge Properties of Surface Residue 69. Journal of Virology, 2009, 83, 7789-7793.	1.5	13
151	Modulating alignment of membrane proteins in liquid-crystalline and oriented gel media by changing the size and charge of phospholipid bicelles. Journal of Biomolecular NMR, 2013, 55, 369-377.	1.6	13
152	Insights into the Conformation of the Membrane Proximal Regions Critical to the Trimerization of the HIV-1 gp41 Ectodomain Bound to Dodecyl Phosphocholine Micelles. PLoS ONE, 2016, 11, e0160597.	1.1	13
153	Transverse1H Cross Relaxation in1H–15N Correlated1H CPMG Experiments. Journal of Magnetic Resonance, 1999, 137, 289-292.	1.2	11
154	Probing the Structure and Stability of a Hybrid Protein:  The Humanâ^'E. coli Thioredoxin Chimera. Biochemistry, 2001, 40, 11184-11192.	1.2	11
155	The C34 Peptide Fusion Inhibitor Binds to the Six-Helix Bundle Core Domain of HIV-1 gp41 by Displacement of the C-Terminal Helical Repeat Region. Biochemistry, 2015, 54, 6796-6805.	1.2	11
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