Carlo Travaglini-Allocatelli

List of Publications by Year
in descending order

63	2,055	185998 28	243296 44
papers	citations	h-index	g-index

63	63	63	1790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Glimpse into the Structural Properties of the Intermediate and Transition State in the Folding of Bromodomain 2 Domain 2 by Î¦ Value Analysis. International Journal of Molecular Sciences, 2021, 22, 5953.	1.8	1
2	Structural and functional investigation of the Small Ribosomal Subunit Biogenesis GTP ase A (RsgA) from PseudomonasÂaeruginosa. FEBS Journal, 2019, 286, 4245-4260.	2.2	9
3	Mechanism of Folding and Binding of the N-Terminal SH2 Domain from SHP2. Journal of Physical Chemistry B, 2018, 122, 11108-11114.	1.2	19
4	Unveiling the folding mechanism of the Bromodomains. Biochemistry and Biophysics Reports, 2017, 11, 99-104.	0.7	1
5	Molecules that target nucleophosmin for cancer treatment: an update. Oncotarget, 2016, 7, 44821-44840.	0.8	63
6	Studies of cytochrome c-551 unfolding using fluorescence correlation spectroscopy and other biophysical techniques. Physical Chemistry Chemical Physics, 2016, 18, 24537-24548.	1.3	0
7	Recognition and binding of apocytochrome c to P. aeruginosa CcmI, a component of cytochrome c maturation machinery. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1554-1561.	1.1	13
8	Protein Machineries Involved in the Attachment of Heme to Cytochrome c: Protein Structures and Molecular Mechanisms. Scientifica, 2013, 2013, 1-17.	0.6	16
9	Morphogenesis of a protein: folding pathways and the energy landscape1. Biochemical Society Transactions, 2012, 40, 429-432.	1.6	10
10	Folding pathways of proteins with increasing degree of sequence identities but different structure and function. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17772-17776.	3.3	25
11	GB1 Is Not a Two-State Folder: Identification and Characterization of an On-Pathway Intermediate. Biophysical Journal, 2011, 101, 2053-2060.	0.2	29
12	The Denatured State Dictates the Topology of Two Proteins with Almost Identical Sequence but Different Native Structure and Function. Journal of Biological Chemistry, 2011, 286, 3863-3872.	1.6	37
13	Structural and functional characterization of CcmG from Pseudomonas aeruginosa, a key component of the bacterial cytochrome c maturation apparatus. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2213-2221.	1.5	19
14	Structural characterization of a misfolded intermediate populated during the folding process of a PDZ domain. Nature Structural and Molecular Biology, 2010, 17, 1431-1437.	3.6	53
15	The Folding Mechanism of c-Type Cytochromes. , 2010, , 13-36.		0
16	Folding and stability of globular proteins and implications for function. Current Opinion in Structural Biology, 2009, 19, 3-7.	2.6	22
17	Agitation and High Ionic Strength Induce Amyloidogenesis of a Folded PDZ Domain in Native Conditions. Biophysical Journal, 2009, 96, 2289-2298.	0.2	32
18	Engineered Symmetric Connectivity of Secondary Structure Elements Highlights Malleability of Protein Folding Pathways. Journal of the American Chemical Society, 2009, 131, 11727-11733.	6.6	25

#	Article	IF	Citations
19	Mechanisms of protein folding. European Biophysics Journal, 2008, 37, 721-728.	1.2	20
20	Fast folding kinetics and stabilization of apoâ€cytochrome c. FEBS Letters, 2008, 582, 1003-1007.	1.3	7
21	The Folding Process of Acylphosphatase from Escherichia coli is Remarkably Accelerated by the Presence of a Disulfide Bond. Journal of Molecular Biology, 2008, 379, 1107-1118.	2.0	14
22	Comparison of successive transition states for folding reveals alternative early folding pathways of two homologous proteins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19241-19246.	3.3	59
23	Folding and Misfolding in a Naturally Occurring Circularly Permuted PDZ Domain. Journal of Biological Chemistry, 2008, 283, 8954-8960.	1.6	25
24	The folding pathway of an engineered circularly permuted PDZ domain. Protein Engineering, Design and Selection, 2008, 21, 155-160.	1.0	20
25	An On-pathway Intermediate in the Folding of a PDZ Domain. Journal of Biological Chemistry, 2007, 282, 8568-8572.	1.6	42
26	A Strategic Protein in Cytochrome c Maturation. Journal of Biological Chemistry, 2007, 282, 27012-27019.	1.6	35
27	Plasticity of the protein folding landscape: Switching between on- and off-pathway intermediates. Archives of Biochemistry and Biophysics, 2007, 466, 172-176.	1.4	5
28	A conserved folding mechanism for PDZ domains. FEBS Letters, 2007, 581, 1109-1113.	1.3	45
29	A PDZ domain recapitulates a unifying mechanism for protein folding. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 128-133.	3.3	69
30	Identification and characterization of protein folding intermediates. Biophysical Chemistry, 2007, 128, 105-113.	1.5	69
31	Demonstration of Long-Range Interactions in a PDZ Domain by NMR, Kinetics, and Protein Engineering. Structure, 2006, 14, 1801-1809.	1.6	103
32	Unveiling a Hidden Folding Intermediate in c-Type Cytochromes by Protein Engineering. Journal of Biological Chemistry, 2006, 281, 9331-9336.	1.6	29
33	The Kinetics of PDZ Domain-Ligand Interactions and Implications for the Binding Mechanism. Journal of Biological Chemistry, 2005, 280, 34805-34812.	1.6	87
34	An Obligatory Intermediate in the Folding Pathway of Cytochromec552 from Hydrogenobacterthermophilus. Journal of Biological Chemistry, 2005, 280, 25729-25734.	1.6	68
35	Kinetic folding mechanism of PDZ2 from PTP-BL. Protein Engineering, Design and Selection, 2005, 18, 389-395.	1.0	50
36	A common folding mechanism in the cytochrome family. Trends in Biochemical Sciences, 2004, 29, 535-541.	3.7	48

#	Article	IF	Citations
37	Folding ofAplysia limacinaApomyoglobin Involves an Intermediate in Common with Other Evolutionarily Distant Globinsâ€. Biochemistry, 2004, 43, 230-236.	1.2	14
38	Construction and characterization of a chimeric myoglobin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1645, 139-145.	1.1	1
39	Parallel Pathways in Cytochrome c551 Folding. Journal of Molecular Biology, 2003, 330, 1145-1152.	2.0	50
40	Exploring the Cytochrome c Folding Mechanism. Journal of Biological Chemistry, 2003, 278, 41136-41140.	1.6	38
41	Controlling Ligand Binding in Myoglobin by Mutagenesis. Journal of Biological Chemistry, 2002, 277, 7509-7519.	1.6	101
42	Cytochrome c551 as a model system for protein folding. Biophysical Chemistry, 2002, 100, 409-419.	1.5	7
43	Snapshots of protein folding. A study on the multiple transition state pathway of cytochrome c551 from Pseudomonas aeruginosa. Journal of Molecular Biology, 2001, 309, 1177-1187.	2.0	30
44	Control of Heme Reactivity by Diffusion:Â Structural Basis and Functional Characterization in Hemoglobin Mutantsâ€,â€¡. Biochemistry, 2001, 40, 14449-14458.	1.2	12
45	Refolding kinetics of cytochrome c551reveals a mechanistic difference between urea and guanidine. Protein Science, 2001, 10, 1685-1688.	3.1	23
46	Fast Coordination Changes in Cytochrome c Do Not Necessarily Imply Folding. Journal of Biological Chemistry, 2001, 276, 41073-41078.	1.6	29
47	The role of cavities in protein dynamics: Crystal structure of a photolytic intermediate of a mutant myoglobin. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2058-2063.	3.3	143
48	Solution 1H NMR Study of the Influence of Distal Hydrogen Bonding and N Terminus Acetylation on the Active Site Electronic and Molecular Structure of Aplysia limacinaCyanomet Myoglobin. Journal of Biological Chemistry, 2000, 275, 742-751.	1.6	12
49	Engineering His(E7) Affects the Control of Heme Reactivity in Aplysia limacina Myoglobin. Biochemical and Biophysical Research Communications, 2000, 269, 58-63.	1.0	4
50	A new folding intermediate of apomyoglobin from Aplysia limacina: stepwise formation of a molten globule11Edited by P. E. Wright. Journal of Molecular Biology, 2000, 297, 1231-1244.	2.0	13
51	Does picosecond protein dynamics have survival value?. Trends in Biochemical Sciences, 1999, 24, 253-255.	3.7	26
52	Structural Dynamics of Ligand Diffusion in the Protein Matrix: A Study on a New Myoglobin Mutant Y(B10) Q(E7) R(E10). Biophysical Journal, 1999, 76, 1259-1269.	0.2	79
53	Folding mechanism of Pseudomonas aeruginosa cytochrome c 551 : role of electrostatic interactions on the hydrophobic collapse and transition state properties 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1999, 289, 1459-1467.	2.0	25
54	Modulation of ligand binding in engineered human hemoglobin distal pocket. Journal of Molecular Biology, 1999, 290, 515-524.	2.0	27

#	Article	IF	Citations
55	Equilibrium unfolding of a small bacterial cytochrome, cytochrome c 551 from Pseudomonas aeruginosa. FEBS Letters, 1998, 425, 385-390.	1.3	17
56	Unfolding of apomyoglobin from Aplysia limacina : the effect of salt and ph on the cooperativity of folding 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1998, 275, 133-148.	2.0	33
57	A myoglobin mutant designed to mimic the oxygen-avid Ascaris suum hemoglobin: elucidation of the distal hydrogen bonding network by solution NMR. Biophysical Journal, 1997, 73, 1019-1030.	0.2	15
58	Aplysia limacina myoglobin cDNA cloning: an alternative mechanism of oxygen stabilization as studied by active-site mutagenesis. Biochemical Journal, 1996, 314, 83-90.	1.7	35
59	Conformational states of hemoproteins by XANES: The mutant VR myoglobin. Physica B: Condensed Matter, 1995, 208-209, 743-745.	1.3	3
60	Interactions among residues CD3, E7, E10, and E11 in myoglobins: Attempts to simulate the ligand-binding properties of Aplysia myoglobin. Biochemistry, 1995, 34, 8715-8725.	1.2	40
61	Engineering Ascaris hemoglobin oxygen affinity in sperm whale myoglobin: role of tyrosine B10. FEBS Letters, 1994, 352, 63-66.	1.3	37
62	Structural and functional characterization of sperm whale myoglobin mutants: Role of arginine (E10) in ligand stabilization. Biochemistry, 1993, 32, 6041-6049.	1.2	34
63	Control and recognition of anionic ligands in myoglobin. FEBS Letters, 1991, 282, 281-284.	1.3	38