

Maurizio Brunori

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#	Paper	IF	Citations
426	Neuroglobin, nitric oxide, and oxygen: functional pathways and conformational changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8483-8	11.5	213
425	Complex landscape of protein structural dynamics unveiled by nanosecond Laue crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8704-9	11.5	184
424	Molecular adaptation to physiological requirements: the hemoglobin system of trout. <i>Current Topics in Cellular Regulation</i> , 1975 , 9, 1-39		179
423	The structure of carbonmonoxy neuroglobin reveals a heme-sliding mechanism for control of ligand affinity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 17351-6	11.5	175
422	A novel type of nitric-oxide reductase. Escherichia coli flavorubredoxin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25273-6	5.4	170
421	Nitric oxide, cytochrome-c oxidase and myoglobin. <i>Trends in Biochemical Sciences</i> , 2001 , 26, 21-3	10.3	166
420	The structure of murine neuroglobin: Novel pathways for ligand migration and binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004 , 56, 85-92	4.2	154
419	Cavities and packing defects in the structural dynamics of myoglobin. <i>EMBO Reports</i> , 2001 , 2, 674-9	6.5	153
418	Inhibition of Schistosoma mansoni thioredoxin-glutathione reductase by auranofin: structural and kinetic aspects. <i>Journal of Biological Chemistry</i> , 2009 , 284, 28977-85	5.4	149
417	Studies on partially reduced mammalian cytochrome oxidase. Reactions with carbon monoxide and oxygen. <i>Biochemical Journal</i> , 1974 , 137, 205-15	3.8	138
416	N-terminal arm exchange is observed in the 2.15 Å crystal structure of oxidized nitrite reductase from Pseudomonas aeruginosa. <i>Structure</i> , 1997 , 5, 1157-71	5.2	133
415	Involvement of the hydrophobic patch of azurin in the electron-transfer reactions with cytochrome C551 and nitrite reductase. <i>FEBS Journal</i> , 1990 , 194, 109-18		133
414	Nitric oxide and cytochrome c oxidase: mechanisms of inhibition and NO degradation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 183-7	3.4	131
413	Aplysia limacina myoglobin. Crystallographic analysis at 1.6 Å resolution. <i>Journal of Molecular Biology</i> , 1989 , 205, 529-44	6.5	131
412	Extended molecular dynamics simulation of the carbon monoxide migration in sperm whale myoglobin. <i>Biophysical Journal</i> , 2004 , 86, 3855-62	2.9	121
411	On the mechanism of inhibition of cytochrome c oxidase by nitric oxide. <i>Journal of Biological Chemistry</i> , 1996 , 271, 33404-8	5.4	112
410	Formation of Superoxide in the Autoxidation of the Isolated α and β Chains of Human Hemoglobin and Its Involvement in Hemichrome Precipitation. <i>FEBS Journal</i> , 1975 , 53, 99-104		106

409	The Reactions of the Isolated α and β Chains of Human Hemoglobin with Oxygen and Carbon Monoxide. <i>Journal of Biological Chemistry</i> , 1966 , 241, 5238-5243	5.4	105
408	Extended subnanosecond structural dynamics of myoglobin revealed by Laue crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4924-9	11.5	104
407	Studies on the Oxidation-Reduction Potentials of Heme Proteins. <i>Journal of Biological Chemistry</i> , 1964 , 239, 907-912	5.4	103
406	Cytochrome c oxidase, ligands and electrons. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 324-36	4.2	102
405	The cytochrome cbb3 from <i>Pseudomonas stutzeri</i> displays nitric oxide reductase activity. <i>FEBS Journal</i> , 2001 , 268, 6486-91		99
404	The O ₂ -scavenging flavodiiron protein in the human parasite <i>Giardia intestinalis</i> . <i>Journal of Biological Chemistry</i> , 2008 , 283, 4061-8	5.4	93
403	Demonstration of long-range interactions in a PDZ domain by NMR, kinetics, and protein engineering. <i>Structure</i> , 2006 , 14, 1801-9	5.2	93
402	Controlling ligand binding in myoglobin by mutagenesis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7509-19	5.1	92
401	Cytochrome-c oxidase. Subunit structure and proton pumping. <i>FEBS Journal</i> , 1987 , 169, 1-8		92
400	Molecular dynamics simulation of sperm whale myoglobin: effects of mutations and trapped CO on the structure and dynamics of cavities. <i>Biophysical Journal</i> , 2005 , 89, 465-74	2.9	91
399	Structure and function of a molecular machine: cytochrome c oxidase. <i>Biophysical Chemistry</i> , 1995 , 54, 1-33	3.5	90
398	A new point mutation of the prion protein gene in Creutzfeldt-Jakob disease. <i>Annals of Neurology</i> , 1993 , 34, 802-7	9.4	89
397	Identification of chloride-binding sites in hemoglobin by nuclear-magnetic-resonance quadrupole-relaxation studies of hemoglobin digests. <i>FEBS Journal</i> , 1975 , 55, 385-90		89
396	Moonlighting by different stressors: crystal structure of the chaperone species of a 2-Cys peroxiredoxin. <i>Structure</i> , 2012 , 20, 429-39	5.2	85
395	Structure of the transition state for the binding of c-Myb and KIX highlights an unexpected order for a disordered system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14942-7	11.5	85
394	Neuroglobin, seven years after. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 1259-68	10.3	85
393	Conformational changes occurring upon reduction and NO binding in nitrite reductase from <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1998 , 37, 13987-96	3.2	82
392	Tryptophan 121 of subunit II is the electron entry site to cytochrome-c oxidase in <i>Paracoccus denitrificans</i> . Involvement of a hydrophobic patch in the docking reaction. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5132-6	5.4	82

391	Studies on the Relations between Molecular and Functional Properties of Hemoglobin. <i>Journal of Biological Chemistry</i> , 1963 , 238, 2950-2957	5.4	81
390	A globin for the brain. <i>FASEB Journal</i> , 2006 , 20, 2192-7	0.9	80
389	Control of cytochrome c oxidase activity by nitric oxide. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004 , 1655, 365-71	4.6	80
388	Nitrite reductase from <i>Pseudomonas aeruginosa</i> : sequence of the gene and the protein. <i>FEBS Letters</i> , 1989 , 254, 33-8	3.8	80
387	Direct electrochemistry of the undecapeptide from cytochrome c (microperoxidase) at a glassy carbon electrode. <i>Journal of the American Chemical Society</i> , 1988 , 110, 8536-8537	16.4	80
386	Artificial intermediates in the reaction of haemoglobin. Functional and conformational properties of the cyanmet intermediates. <i>Journal of Molecular Biology</i> , 1970 , 49, 461-71	6.5	79
385	Molecular Recognition by Templated Folding of an Intrinsically Disordered Protein. <i>Scientific Reports</i> , 2016 , 6, 21994	4.9	77
384	Nitric oxide and cytochrome oxidase: reaction mechanisms from the enzyme to the cell. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 509-20	7.8	77
383	The structural dynamics of myoglobin. <i>Journal of Structural Biology</i> , 2004 , 147, 223-34	3.4	75
382	X-ray crystal structure of ferric <i>Aplysia limacina</i> myoglobin in different liganded states. <i>Journal of Molecular Biology</i> , 1993 , 233, 498-508	6.5	75
381	Spectral differences between haemoglobin and isolated haemoglobin chains in the deoxygenated state. <i>Journal of Molecular Biology</i> , 1968 , 34, 357-359	6.5	75
380	Catalytic mechanism of cytochrome oxidase. <i>Nature</i> , 1970 , 228, 936-7	50.4	74
379	Kinetic properties of ba3 oxidase from <i>Thermus thermophilus</i> : effect of temperature. <i>Biochemistry</i> , 1999 , 38, 1057-65	3.2	73
378	Fluorescence studies of <i>Aplysia</i> and sperm whale apomyoglobins. <i>Biochemistry</i> , 1970 , 9, 4723-9	3.2	73
377	STUDIES ON THE OXIDATION-REDUCTION POTENTIALS OF HEME PROTEINS. IV. THE KINETICS OF OXIDATION OF HEMOGLOBIN AND MYOGLOBIN BY FERRICYANIDE. <i>Biochemistry</i> , 1965 , 4, 545-51	3.2	73
376	Kinetics of the reactions of <i>Aplysia</i> myoglobin with oxygen and carbon monoxide. <i>Archives of Biochemistry and Biophysics</i> , 1965 , 111, 576-9	4.1	73
375	Cytochrome-c-binding site on cytochrome oxidase in <i>Paracoccus denitrificans</i> . <i>FEBS Journal</i> , 1998 , 251, 367-73		72
374	Redox equilibrium of sperm-whale myoglobin, <i>Aplysia</i> myoglobin, and <i>Chironomus thummi</i> hemoglobin. <i>Biochemistry</i> , 1971 , 10, 1604-9	3.2	72

373	Studies on the Relations between Molecular and Functional Properties of Hemoglobin. <i>Journal of Biological Chemistry</i> , 1967 , 242, 4360-4366	5.4	71
372	Neuroglobin: From structure to function in health and disease. <i>Molecular Aspects of Medicine</i> , 2016 , 52, 1-48	16.7	70
371	Structural dynamics of myoglobin. <i>Biophysical Chemistry</i> , 2000 , 86, 221-30	3.5	70
370	NO sensing in <i>Pseudomonas aeruginosa</i> : structure of the transcriptional regulator DNR. <i>Journal of Molecular Biology</i> , 2008 , 378, 1002-15	6.5	69
369	Reaction of nitric oxide with the turnover intermediates of cytochrome c oxidase: reaction pathway and functional effects. <i>Biochemistry</i> , 2000 , 39, 15446-53	3.2	68
368	Redox control of fast ligand dissociation from <i>Escherichia coli</i> cytochrome bd. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 97-102	3.4	66
367	A folding-after-binding mechanism describes the recognition between the transactivation domain of c-Myb and the KIX domain of the CREB-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 205-9	3.4	65
366	A PDZ domain recapitulates a unifying mechanism for protein folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 128-33	11.5	65
365	Modulation of mitochondrial respiration by nitric oxide: investigation by single cell fluorescence microscopy. <i>FASEB Journal</i> , 1999 , 13, 191-7	0.9	65
364	Absence of water at the sixth co-ordination site in ferric <i>Aplysia</i> myoglobin. <i>Journal of Molecular Biology</i> , 1981 , 151, 315-9	6.5	65
363	Functional properties of native and reconstituted hemoglobins from <i>Chironomus thummi thummi</i> . <i>FEBS Journal</i> , 1972 , 31, 52-8		65
362	An obligatory intermediate in the folding pathway of cytochrome c552 from <i>Hydrogenobacter thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 25729-34	5.4	64
361	Structural dynamics of myoglobin: ligand migration among protein cavities studied by Fourier transform infrared/temperature derivative spectroscopy. <i>Journal of Biological Chemistry</i> , 2002 , 277, 11636-44	5.4	64
360	A re-evaluation of some basic structural and functional properties of <i>Pseudomonas</i> cytochrome oxidase. <i>Biochemical Journal</i> , 1979 , 183, 701-9	3.8	64
359	Hemoglobins from trout: structural and functional properties. <i>Molecular and Cellular Biochemistry</i> , 1973 , 1, 189-96	4.2	64
358	The interaction of cyanide with cytochrome oxidase. <i>FEBS Journal</i> , 1971 , 23, 396-400		62
357	Towards a structural biology of the hydrophobic effect in protein folding. <i>Scientific Reports</i> , 2016 , 6, 28285	4.9	62
356	Nitric oxide and the respiratory enzyme. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1144-54	4.6	61

355	Cytochrome c oxidase does not catalyze the anaerobic reduction of NO. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 245, 459-65	3.4	60
354	Identification and characterization of protein folding intermediates. <i>Biophysical Chemistry</i> , 2007 , 128, 105-13	3.5	59
353	X-ray crystal structure of the fluoride derivative of Aplysia limacina ferric myoglobin at 2.0 Å resolution. Stabilization of the fluoride ion by hydrogen bonding to Arg66 (E10). <i>Journal of Molecular Biology</i> , 1990 , 213, 621-5	6.5	59
352	Studies on the quantum yields of the photodissociation of carbon monoxide from hemoglobin and myoglobin. <i>Biochemistry</i> , 1967 , 6, 1216-22	3.2	57
351	Stereochemistry of ATP and GTP bound to fish haemoglobins. A transferred nuclear overhauser enhancement, 31P-nuclear magnetic resonance, oxygen equilibrium and molecular modelling study. <i>Journal of Molecular Biology</i> , 1984 , 178, 731-42	6.5	56
350	Denaturation of Aplysia myoglobin. Equilibrium study. <i>Journal of Molecular Biology</i> , 1972 , 63, 139-52	6.5	56
349	The unusual stability of saporin, a candidate for the synthesis of immunotoxins. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 234, 129-32	3.4	55
348	Identification of the prion protein allotypes which accumulate in the brain of sporadic and familial Creutzfeldt-Jakob disease patients. <i>Nature Medicine</i> , 1997 , 3, 521-5	50.5	55
347	Pattern of cavities in globins: the case of human hemoglobin. <i>Biopolymers</i> , 2009 , 91, 1097-107	2.2	52
346	Sequence-specific long range networks in PSD-95/discs large/ZO-1 (PDZ) domains tune their binding selectivity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27167-75	5.4	51
345	Hemoglobin is an honorary enzyme. <i>Trends in Biochemical Sciences</i> , 1999 , 24, 158-61	10.3	51
344	A cooperative model for ligand binding to biological macromolecules as applied to oxygen carriers. <i>Biophysical Chemistry</i> , 1986 , 23, 215-22	3.5	51
343	NMR study of the molecular and electronic structure of the heme cavity of Aplysia metmyoglobin. Resonance assignments based on isotope labeling and proton nuclear Overhauser effect measurements. <i>Biochemistry</i> , 1986 , 25, 5638-46	3.2	51
342	Reactivity of ferric Aplysia myoglobin towards anionic ligands in the acidic region. Proposal for a structural model. <i>Journal of Molecular Biology</i> , 1981 , 146, 363-74	6.5	51
341	Preparation and Kinetic Properties of Intermediates in the Reaction of Hemoglobin with Ligands. <i>Journal of Biological Chemistry</i> , 1966 , 241, 3236-3238	5.4	51
340	The electron transfer system of Pseudomonas aeruginosa: a study of the pH-dependent transitions between redox forms of azurin and cytochrome c551. <i>Journal of Inorganic Biochemistry</i> , 1981 , 14, 327-338	4.2	50
339	Mapping the catalytic cycle of Schistosoma mansoni thioredoxin glutathione reductase by X-ray crystallography. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32557-67	5.4	49
338	Glutathione reductase and thioredoxin reductase at the crossroad: the structure of Schistosoma mansoni thioredoxin glutathione reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 72, 936-45	4.2	49

337	Parallel pathways in cytochrome c(551) folding. <i>Journal of Molecular Biology</i> , 2003 , 330, 1145-52	6.5	49
336	Nucleophosmin C-terminal leukemia-associated domain interacts with G-rich quadruplex forming DNA. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37138-49	5.4	48
335	Concerted changes in an allosteric macromolecule. <i>Biophysical Chemistry</i> , 1974 , 2, 338-44	3.5	48
334	Polysteric linkage. <i>Journal of Molecular Biology</i> , 1976 , 100, 47-57	6.5	47
333	Primary structure of hemoglobin from trout (<i>Salmo irideus</i>). Amino acid sequence of alpha chain of Hb trout I. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978 , 536, 298-305		47
332	Structural characterization of a misfolded intermediate populated during the folding process of a PDZ domain. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 1431-7	17.6	46
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330	Primary structure of hemoglobin from trout (<i>Salmo irideus</i>) amino acid sequence of the beta chain of trout Hb I. <i>BBA - Proteins and Proteomics</i> , 1983 , 742, 72-7		46
329	Functional properties of carboxypeptidase-digested hemoglobins. <i>Journal of Molecular Biology</i> , 1974 , 82, 499-511	6.5	45
328	Equilibrium and kinetics of the reaction of <i>Aplysia</i> myoglobin with azide. <i>Biochemistry</i> , 1975 , 14, 1584-8	3.2	45
327	An X-ray diffraction and X-ray absorption spectroscopy joint study of neuroglobin. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 475, 7-13	4.1	44
326	The structure of the endoribonuclease XendoU: From small nucleolar RNA processing to severe acute respiratory syndrome coronavirus replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12365-70	11.5	44
325	Kinetic folding mechanism of PDZ2 from PTP-BL. <i>Protein Engineering, Design and Selection</i> , 2005 , 18, 389-95	1.9	44
324	Structure of nucleophosmin DNA-binding domain and analysis of its complex with a G-quadruplex sequence from the c-MYC promoter. <i>Journal of Biological Chemistry</i> , 2012 , 287, 26539-48	5.4	43
323	Fast dissociation of nitric oxide from ferrous <i>Pseudomonas aeruginosa</i> cd1 nitrite reductase. A novel outlook on the catalytic mechanism. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14761-7	5.4	43
322	Studies on the equilibria and kinetics of the reactions of peroxidases with ligands. I. The reaction of ferropoxidases with carbon monoxide. <i>Biochemistry</i> , 1965 , 4, 2672-6	3.2	43
321	Molecular dynamics simulation of deoxy and carboxy murine neuroglobin in water. <i>Biophysical Journal</i> , 2007 , 93, 434-41	2.9	42
320	The allosteric properties of hemoglobin: insights from natural and site directed mutants. <i>Current Protein and Peptide Science</i> , 2006 , 7, 17-45	2.8	41

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318	Studies on the properties of fish hemoglobins. Molecular properties and interaction with third components of the isolated hemoglobins from trout (<i>Salmo irideus</i>). <i>FEBS Journal</i> , 1973 , 39, 563-70		41
317	The Kinetics of the Bohr Effect in the Reaction of Human Hemoglobin with Carbon Monoxide. <i>Journal of Biological Chemistry</i> , 1965 , 240, PC2262-PC2264	5-4	41
316	Neuroglobin: enzymatic reduction and oxygen affinity. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 893-8	3-4	40
315	Nitric oxide reacts with the ferryl-oxo catalytic intermediate of the CuB-lacking cytochrome bd terminal oxidase. <i>FEBS Letters</i> , 2006 , 580, 4823-6	3-8	40
314	The Effect of Ligand Binding on the Optical Rotatory Dispersion of Myoglobin, Hemoglobin, and Isolated Hemoglobin Subunits. <i>Journal of Biological Chemistry</i> , 1967 , 242, 773-776	5-4	40
313	Nitric oxide and mitochondrial complex IV. <i>IUBMB Life</i> , 2003 , 55, 605-11	4-7	39
312	Dynamics of the quaternary conformational change in trout hemoglobin. <i>Biochemistry</i> , 1991 , 30, 6583-98,2		39
311	An on-pathway intermediate in the folding of a PDZ domain. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8568-72	5-4	38
310	Interactions among residues CD3, E7, E10, and E11 in myoglobins: attempts to simulate the ligand-binding properties of <i>Aplysia</i> myoglobin. <i>Biochemistry</i> , 1995 , 34, 8715-25	3-2	38
309	Amino-acid Sequence of E-chain of hemoglobin IV from trout (<i>Salmo irideus</i>). <i>BBA - Proteins and Proteomics</i> , 1984 , 789, 69-73		38
308	Photochemistry of hemoproteins. <i>Methods in Enzymology</i> , 1981 , 76, 582-95	1-7	38
307	Dissociation and oxygen-binding behaviour of beta-hemocyanin from <i>Helix pomatia</i> . <i>FEBS Journal</i> , 1978 , 87, 467-73		38
306	Kinetics of NO and O ₂ binding to a maleimide poly(ethylene glycol)-conjugated human haemoglobin. <i>Biochemical Journal</i> , 2004 , 382, 183-9	3-8	37
305	Understanding the frustration arising from the competition between function, misfolding, and aggregation in a globular protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14141-6	11-5	36
304	Spectral changes and allosteric transition in trout haemoglobin. <i>Nature</i> , 1975 , 256, 761-2	50-4	36
303	Exploring the cytochrome c folding mechanism: cytochrome c552 from <i>thermus thermophilus</i> folds through an on-pathway intermediate. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41136-40	5-4	35
302	Chloride bound to oxidized cytochrome c oxidase controls the reaction with nitric oxide. <i>Journal of Biological Chemistry</i> , 1998 , 273, 32475-8	5-4	35

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300	Proton nuclear magnetic resonance study of the molecular and electronic structure of the heme cavity in Aplysia cyanometmyoglobin. <i>Biochemistry</i> , 1989 , 28, 4880-7	3.2	35
299	Evidence for two oxygen-linked binding sites for polyanions in dromedary hemoglobin. <i>FEBS Journal</i> , 1985 , 150, 387-93		35
298	Kinetics of reconstituitoin of polyphenoxidase from apoenzyme and copper. <i>Biochemical and Biophysical Research Communications</i> , 1972 , 49, 1208-15	3.4	35
297	The mechanism of binding of the KIX domain to the mixed lineage leukemia protein and its allosteric role in the recognition of c-Myb. <i>Protein Science</i> , 2014 , 23, 962-9	6.3	34
296	The denatured state dictates the topology of two proteins with almost identical sequence but different native structure and function. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3863-72	5.4	34
295	Mutagenesis of nitrite reductase from Pseudomonas aeruginosa: tyrosine-10 in the c heme domain is not involved in catalysis. <i>FEBS Letters</i> , 1997 , 412, 365-9	3.8	34
294	Pseudomonas aeruginosa cytochrome C(551): probing the role of the hydrophobic patch in electron transfer. <i>Journal of Inorganic Biochemistry</i> , 2002 , 88, 353-61	4.2	34
293	Crystal structure of the 28 kDa glutathione S-transferase from Schistosoma haematobium. <i>Biochemistry</i> , 2003 , 42, 10084-94	3.2	34
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290	Control and recognition of anionic ligands in myoglobin. <i>FEBS Letters</i> , 1991 , 282, 281-4	3.8	34
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286	Crystal structure of ferric Aplysia limacina myoglobin at 2 X 0 A resolution. <i>Journal of Molecular Biology</i> , 1985 , 183, 113-5	6.5	33
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284	Time-resolved methods in biophysics. 6. Time-resolved Laue crystallography as a tool to investigate photo-activated protein dynamics. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 1047-56	4.2	32

283	Nitric oxide, cytochrome c oxidase and myoglobin: competition and reaction pathways. <i>FEBS Letters</i> , 2005 , 579, 2528-32	3.8	32
282	Unfolding of apomyoglobin from <i>Aplysia limacina</i> : the effect of salt and pH on the cooperativity of folding. <i>Journal of Molecular Biology</i> , 1998 , 275, 133-48	6.5	32
281	Engineering <i>Ascaris</i> hemoglobin oxygen affinity in sperm whale myoglobin: role of tyrosine B10. <i>FEBS Letters</i> , 1994 , 352, 63-6	3.8	32
280	The structure of neuroglobin at high Xe and Kr pressure reveals partial conservation of globin internal cavities. <i>Biophysical Journal</i> , 2009 , 97, 1700-8	2.9	31
279	Insights into the catalytic mechanism of glutathione S-transferase: the lesson from <i>Schistosoma haematobium</i> . <i>Structure</i> , 2005 , 13, 1241-6	5.2	31
278	Structural and functional characterization of sperm whale myoglobin mutants: role of arginine (E10) in ligand stabilization. <i>Biochemistry</i> , 1993 , 32, 6041-9	3.2	31
277	Studies on the properties of fish hemoglobins. Kinetics of reaction with oxygen and carbon monoxide of the isolated hemoglobin components from trout (<i>Salmo irideus</i>). <i>FEBS Journal</i> , 1973 , 39, 571-9		31
276	Properties of Modified Cytochromes. <i>Journal of Biological Chemistry</i> , 1973 , 248, 8162-8169	5.4	31
275	Hemoglobin allostery: variations on the theme. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 1262-72	4.6	30
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