

Stefano Bettati

List of Publications by Year in descending order

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131
papers

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citations

147801

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163
all docs

163
docs citations

163
times ranked

2684
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Exogenous Enzymes in Human Therapy: Approved Drugs and Potential Applications. Current Medicinal Chemistry, 2022, 29, 411-452.	2.4	16
2	From hemoglobin allostery to hemoglobin-based oxygen carriers. Molecular Aspects of Medicine, 2022, 84, 101050.	6.4	15
3	Extracellular Vesicles Derived from Mesenchymal Stromal Cells Delivered during Hypothermic Oxygenated Machine Perfusion Repair Ischemic/Reperfusion Damage of Kidneys from Extended Criteria Donors. Biology, 2022, 11, 350.	2.8	16
4	Cryo-EM structures of staphylococcal IsdB bound to human hemoglobin reveal the process of heme extraction. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116708119.	7.1	6
5	Human Serine Racemase Weakly Binds the Third PDZ Domain of PSD-95. International Journal of Molecular Sciences, 2022, 23, 4959.	4.1	1
6	Inhibitors of O-Acetylserine Sulfhydrylase with a Cyclopropane-Carboxylic Acid Scaffold Are Effective Colistin Adjuvants in Gram Negative Bacteria. Pharmaceuticals, 2022, 15, 766.	3.8	1
7	Exploring the chemical space around N-(5-nitrothiazol-2-yl)-1,2,3-thiadiazole-4-carboxamide, a hit compound with serine acetyltransferase (SAT) inhibitory properties. Results in Chemistry, 2022, 4, 100443.	2.0	0
8	Human serine racemase is inhibited by glyceraldehyde 3-phosphate, but not by glyceraldehyde 3-phosphate dehydrogenase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140544.	2.3	3
9	The allosteric interplay between S-nitrosylation and glycine binding controls the activity of human serine racemase. FEBS Journal, 2021, 288, 3034-3054.	4.7	8
10	Investigational Studies on a Hit Compound Cyclopropane- α -Carboxylic Acid Derivative Targeting O-Acetylserine Sulfhydrylase as a Colistin Adjuvant. ACS Infectious Diseases, 2021, 7, 281-292.	3.8	13
11	Revealing the Dynamic Allosteric Changes Required for Formation of the Cysteine Synthase Complex by Hydrogen-Deuterium Exchange MS. Molecular and Cellular Proteomics, 2021, 20, 100098.	3.8	1
12	Discovery of Substituted (2-Aminooxazol-4-yl)isoxazole-3-carboxylic Acids as Inhibitors of Bacterial Serine Acetyltransferase in the Quest for Novel Potential Antibacterial Adjuvants. Pharmaceuticals, 2021, 14, 174.	3.8	5
13	A Competitive O-Acetylserine Sulfhydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. Catalysts, 2021, 11, 700.	3.5	4
14	A Novel Assay for Phosphoserine Phosphatase Exploiting Serine Acetyltransferase as the Coupling Enzyme. Life, 2021, 11, 485.	2.4	5
15	Stability of Maleimide-PEG and Mono-Sulfone-PEG Conjugation to a Novel Engineered Cysteine in the Human Hemoglobin Alpha Subunit. Frontiers in Chemistry, 2021, 9, 707797.	3.6	4
16	A Key Silencing Histone Mark on Chromatin Is Lost When Colorectal Adenocarcinoma Cells Are Depleted of Methionine by Methionine 13 -Lyase. Frontiers in Molecular Biosciences, 2021, 8, 735303.	3.5	7
17	Modulation of Oxygen Affinity in Hemoglobin-based Oxygen Carriers. Regenerative Medicine, Artificial Cells and Nanomedicine, 2021, , 375-403.	0.1	1
18	Immobilization of Allantoinase for the Development of an Optical Biosensor of Oxidative Stress States. Sensors, 2020, 20, 196.	3.8	6

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19	SP-B and SP-C analogues within CHF5633 synthetic surfactant probed by fluorescence labeling. <i>Journal of Molecular Liquids</i> , 2020, 298, 111983.	4.9	2
20	Rational Design of a User-Friendly Aptamer/Peptide-Based Device for the Detection of <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2020, 20, 4977.	3.8	7
21	Engineering hemoglobin to enable homogenous PEGylation without modifying protein functionality. <i>Biomaterials Science</i> , 2020, 8, 3896-3906.	5.4	16
22	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine α -Acetyltransferase Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 790-797.	2.8	17
23	Iron Metabolism at the Interface between Host and Pathogen: From Nutritional Immunity to Antibacterial Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2145.	4.1	42
24	Combination of SAXS and Protein Painting Discloses the Three-Dimensional Organization of the Bacterial Cysteine Synthase Complex, a Potential Target for Enhancers of Antibiotic Action. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5219.	4.1	9
25	More than a Confinement: "Soft" and "Hard" Enzyme Entrapment Modulates Biological Catalyst Function. <i>Catalysts</i> , 2019, 9, 1024.	3.5	12
26	Interaction of human hemoglobin and semi-hemoglobins with the <i>Staphylococcus aureus</i> hemophore IsdB: a kinetic and mechanistic insight. <i>Scientific Reports</i> , 2019, 9, 18629.	3.3	21
27	Refining the structure-activity relationships of 2-phenylcyclopropane carboxylic acids as inhibitors of O-acetylserine sulfhydrylase isoforms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 31-43.	5.2	12
28	Fluorescence quantification of allantoin in biological samples by cap-immobilized allantoinase/resorcinol assay. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2820-2828.	7.8	7
29	Insight into GFPmut2 pH Dependence by Single Crystal Microspectrophotometry and X-ray Crystallography. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11326-11337.	2.6	3
30	Protein carbonylation detection methods: A comparison. <i>Data in Brief</i> , 2018, 19, 2215-2220.	1.0	20
31	Quenching of tryptophan fluorescence in a highly scattering solution: Insights on protein localization in a lung surfactant formulation. <i>PLoS ONE</i> , 2018, 13, e0201926.	2.5	8
32	Diatom Allantoin Synthase Provides Structural Insights into Natural Fusion Protein Therapeutics. <i>ACS Chemical Biology</i> , 2018, 13, 2237-2246.	3.4	5
33	Glutamine 89 is a key residue in the allosteric modulation of human serine racemase activity by ATP. <i>Scientific Reports</i> , 2018, 8, 9016.	3.3	12
34	High- and low-affinity PEGylated hemoglobin-based oxygen carriers: Differential oxidative stress in a Guinea pig transfusion model. <i>Free Radical Biology and Medicine</i> , 2018, 124, 299-310.	2.9	13
35	A Trivalent Enzymatic System for Uricolytic Therapy of HPRT Deficiency and Lesch-Nyhan Disease. <i>Pharmaceutical Research</i> , 2017, 34, 1477-1490.	3.5	11
36	Modulation of <i>Escherichia coli</i> serine acetyltransferase catalytic activity in the cysteine synthase complex. <i>FEBS Letters</i> , 2017, 591, 1212-1224.	2.8	15

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37	Activation of an anti-bacterial toxin by the biosynthetic enzyme CysK: mechanism of binding, interaction specificity and competition with cysteine synthase. <i>Scientific Reports</i> , 2017, 7, 8817.	3.3	7
38	Study of DNA binding and bending by <i>Bacillus subtilis</i> GabR, a PLP-dependent transcription factor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3474-3489.	2.4	18
39	Structural insight into the interaction of <i>O</i> -acetylserine sulfhydrylase with competitive, peptidic inhibitors by saturation transfer difference NMR. <i>FEBS Letters</i> , 2016, 590, 943-953.	2.8	10
40	Catalysis and Structure of Zebrafish Urate Oxidase Provide Insights into the Origin of Hyperuricemia in Hominoids. <i>Scientific Reports</i> , 2016, 6, 38302.	3.3	21
41	Cyclopropane-1,2-dicarboxylic acids as new tools for the biophysical investigation of <i>O</i> -acetylserine sulfhydrylases by fluorimetric methods and saturation transfer difference (STD) NMR. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 78-87.	5.2	21
42	Rational Design, Synthesis, and Preliminary Structure-Activity Relationships of \pm -Substituted-2-Phenylcyclopropane Carboxylic Acids as Inhibitors of <i>Salmonella typhimurium</i> <i>O</i> -Acetylserine Sulfhydrylase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2567-2578.	6.4	28
43	Editorial (Thematic Issue: Organic Polymeric Matrices for the Three-dimensional Immobilization of) <i>TJ ETQq1 1 0.784314 rgBT₀/Overlook</i>	1.6	1.6
44	Experiments on Hemoglobin in Single Crystals and Silica Gels Distinguish among Allosteric Models. <i>Biophysical Journal</i> , 2015, 109, 1264-1272.	0.5	33
45	Regulation of human serine racemase activity and dynamics by halides, ATP and malonate. <i>Amino Acids</i> , 2015, 47, 163-173.	2.7	21
46	Moonlighting <i>O</i> -acetylserine sulfhydrylase: New functions for an old protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1184-1193.	2.3	35
47	From protein structure to function via single crystal optical spectroscopy. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 12.	3.5	14
48	Immobilization of Proteins in Ormosil Gels: Functional Properties and Applications. <i>Current Organic Chemistry</i> , 2015, 19, 1677-1683.	1.6	5
49	Immobilization of Proteins in Silica Gel: Biochemical and Biophysical Properties. <i>Current Organic Chemistry</i> , 2015, 19, 1653-1668.	1.6	20
50	Inhibitors of the Sulfur Assimilation Pathway in Bacterial Pathogens as Enhancers of Antibiotic Therapy. <i>Current Medicinal Chemistry</i> , 2014, 22, 187-213.	2.4	42
51	Experimental basis for a new allosteric model for multisubunit proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12758-12763.	7.1	46
52	Molecular insights into dimerization inhibition of c-Maf transcription factor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2108-2115.	2.3	13
53	Role of histidine 148 in stability and dynamics of a highly fluorescent GFP variant. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 770-779.	2.3	10
54	Role of tertiary structures on the Root effect in fish hemoglobins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1885-1893.	2.3	9

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55	Tertiary and Quaternary Allostery in Tetrameric Hemoglobin from <i>Scapharca inaequivalvis</i> . Biochemistry, 2013, 52, 2108-2117.	2.5	7
56	Tertiary and quaternary effects in the allosteric regulation of animal hemoglobins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1860-1872.	2.3	6
57	Asymmetry of the Active Site Loop Conformation between Subunits of Glutamate-1-semialdehyde Aminomutase in Solution. BioMed Research International, 2013, 2013, 1-10.	1.9	15
58	Exploring O-acetylserine sulfhydrylase-B isoenzyme from <i>Salmonella typhimurium</i> by fluorescence spectroscopy. Archives of Biochemistry and Biophysics, 2011, 505, 178-185.	3.0	8
59	The multifaceted pyridoxal 5'-phosphate-dependent O-acetylserine sulfhydrylase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1497-1510.	2.3	39
60	Effect of the point mutation H148G on GFPmut2 unfolding kinetics by fluorescence spectroscopy. Biophysical Chemistry, 2011, 157, 24-32.	2.8	3
61	Protein crystal microspectrophotometry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 734-741.	2.3	11
62	Protein dynamics: Experimental and computational approaches. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 913-915.	2.3	1
63	Structure and single crystal spectroscopy of Green Fluorescent Proteins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 824-833.	2.3	12
64	A Two-step Process Controls the Formation of the Bifunctional Cysteine Synthase Complex. Journal of Biological Chemistry, 2010, 285, 12813-12822.	3.4	35
65	Pyridoxal 5'-Phosphate-Dependent Enzymes: Catalysis, Conformation, and Genomics. , 2010, , 273-350.		12
66	Identification of the Structural Determinants for the Stability of Substrate and Aminoacrylate External Schiff Bases in <i>O</i> -Acetylserine Sulfhydrylase-A. Biochemistry, 2010, 49, 6093-6103.	2.5	25
67	Photoinduced Millisecond Switching Kinetics in the GFPmut2 E222Q Mutant. Journal of Physical Chemistry B, 2010, 114, 4664-4677.	2.6	12
68	Design of <i>O</i> -Acetylserine Sulfhydrylase Inhibitors by Mimicking Nature. Journal of Medicinal Chemistry, 2010, 53, 345-356.	6.4	75
69	Haemoglobin-based oxygen carriers: research and reality towards an alternative to blood transfusions. Blood Transfusion, 2010, 8 Suppl 3, s59-68.	0.4	24
70	Exercise capacity assessment in patients undergoing lung resection. European Journal of Cardio-thoracic Surgery, 2009, 35, 419-422.	1.4	34
71	Tryptophan synthase: a mine for enzymologists. Cellular and Molecular Life Sciences, 2009, 66, 2391-2403.	5.4	83
72	Hemoglobin, an "evergreen" red protein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1317-1324.	2.3	15

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73	Correlation of protein functional properties in the crystal and in solution: The case study of T-state hemoglobin. <i>Protein Science</i> , 2009, 11, 1845-1849.	7.6	10
74	Ligand reactivity and allosteric regulation of hemoglobin-based oxygen carriers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1365-1377.	2.3	21
75	Towards a novel haemoglobin-based oxygen carrier: Euro-PEG-Hb, physico-chemical properties, vasoactivity and renal filtration. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1402-1409.	2.3	42
76	High and low oxygen affinity conformations of T state hemoglobin. <i>Protein Science</i> , 2008, 10, 2401-2407.	7.6	74
77	Ligand-Induced Tertiary Relaxations During the T-to-R Quaternary Transition in Hemoglobin. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12790-12794.	2.6	10
78	Protonation and Conformational Dynamics of GFP Mutants by Two-Photon Excitation Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8806-8814.	2.6	25
79	Lung metastasis resection of adenoid cystic carcinoma of salivary glands†. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 790-793.	1.4	60
80	Oxygen Binding to Heme Proteins in Solution, Encapsulated in Silica Gels, and in the Crystalline State. <i>Methods in Enzymology</i> , 2008, 437, 311-328.	1.0	29
81	Postoperative outcome of patients undergoing lung resection presenting with new-onset atrial fibrillation managed by amiodarone or diltiazem. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 70-74.	1.4	36
82	Trapping Hemoglobin in Rigid Matrices: Fine Tuning of Oxygen Binding Properties by Modulation of Encapsulation Protocols. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007, 35, 69-79.	0.9	10
83	Pyridoxal 5-Phosphate Enzymes as Targets for Therapeutic Agents. <i>Current Medicinal Chemistry</i> , 2007, 14, 1291-1324.	2.4	177
84	Hemocyanin from <i>E. californicum</i> encapsulated in silica gels: Oxygen binding and conformational states. <i>Gene</i> , 2007, 398, 202-207.	2.2	7
85	Structure, Mechanism, and Conformational Dynamics of O-Acetylserine Sulfhydrylase from <i>Salmonella typhimurium</i> : Comparison of A and B Isozymes. <i>Biochemistry</i> , 2007, 46, 8315-8330.	2.5	58
86	Evidence of Discrete Substates and Unfolding Pathways in Green Fluorescent Protein. <i>Biophysical Journal</i> , 2007, 92, 1724-1731.	0.5	16
87	Evolution of allosteric models for hemoglobin. <i>IUBMB Life</i> , 2007, 59, 586-599.	3.4	103
88	Environment effects on the oscillatory unfolding kinetics of GFP. <i>European Biophysics Journal</i> , 2007, 36, 795-803.	2.2	5
89	Quadrupole splitting temperature dependence of high and low affinity deoxyhemoglobin encapsulated in wet silica gel. <i>Hyperfine Interactions</i> , 2007, 165, 279-283.	0.5	1
90	Monitoring the T \leftrightarrow R transition of human hemoglobin encapsulated in silica gels. <i>FASEB Journal</i> , 2007, 21, A637.	0.5	0

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91	Exploring the pyridoxal 5'-phosphate-dependent enzymes. Chemical Record, 2006, 6, 275-287.	5.8	52
92	Allosteric communication between alpha and beta subunits of tryptophan synthase: Modelling the open-closed transition of the alpha subunit. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1102-1109.	2.3	22
93	Circular dichroism spectroscopy of tertiary and quaternary conformations of human hemoglobin entrapped in wet silica gels. Protein Science, 2006, 15, 1961-1967.	7.6	27
94	Thoracoscopic parietal pleural argon beam coagulation versus pleural abrasion in the treatment of primary spontaneous pneumothorax†. European Journal of Cardio-thoracic Surgery, 2006, 29, 6-8.	1.4	19
95	Interaction of serine acetyltransferase with O-acetylserine sulfhydrylase active site: Evidence from fluorescence spectroscopy. Protein Science, 2005, 14, 2115-2124.	7.6	83
96	Identification of the Geometric Requirements for Allosteric Communication between the α - and β -Subunits of Tryptophan Synthase. Journal of Biological Chemistry, 2005, 280, 13450-13456.	3.4	24
97	Evidence for Two Geminate Rebinding States Following Laser Photolysis of R State Hemoglobin Encapsulated in Wet Silica Gels. Journal of Physical Chemistry B, 2005, 109, 11411-11413.	2.6	29
98	Kinetics of Acid-Induced Spectral Changes in the GFPmut2 Chromophore. Journal of the American Chemical Society, 2005, 127, 626-635.	13.7	57
99	Geminate Rebinding in R-State Hemoglobin: A Kinetic and Computational Evidence for Multiple Hydrophobic Pockets. Journal of the American Chemical Society, 2005, 127, 17427-17432.	13.7	29
100	Confinement and crowding effects on tryptophan synthase $\alpha\beta$ complex. FEBS Letters, 2005, 579, 2197-2202.	2.8	23
101	Unfolding of Green Fluorescent Protein mut2 in wet nanoporous silica gels. Protein Science, 2005, 14, 1125-1133.	7.6	57
102	Tracking Unfolding and Refolding of Single GFPmut2 Molecules. Biophysical Journal, 2005, 89, 2033-2045.	0.5	31
103	pH Dependence of Tryptophan Synthase Catalytic Mechanism. Journal of Biological Chemistry, 2004, 279, 29572-29582.	3.4	10
104	New insights into allosteric mechanisms from trapping unstable protein conformations in silica gels. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14414-14419.	7.1	110
105	Tyrosine phenol-lyase and tryptophan indole-lyase encapsulated in wet nanoporous silica gels: Selective stabilization of tertiary conformations. Protein Science, 2004, 13, 913-924.	7.6	32
106	Spectroscopic and Functional Characterization of T State Hemoglobin Conformations Encapsulated in Silica Gels. Biochemistry, 2004, 43, 13674-13682.	2.5	49
107	CO Rebinding Kinetics to Myoglobin- and R-State-Hemoglobin-Doped Silica Gels in the Presence of Glycerol. Journal of Physical Chemistry B, 2004, 108, 8475-8484.	2.6	26
108	The molecular pathway for the allosteric regulation of tryptophan synthase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 157-160.	2.3	12

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109	Surface-exposed Tryptophan Residues Are Essential for O-Acetylserine Sulfhydrylase Structure, Function, and Stability. <i>Journal of Biological Chemistry</i> , 2003, 278, 37511-37519.	3.4	24
110	Unfolding of pyridoxal 5â€²-phosphate-dependent O-acetylserine sulfhydrylase probed by time-resolved tryptophan fluorescence. <i>BBA - Proteins and Proteomics</i> , 2002, 1596, 47-54.	2.1	9
111	A tertiary two-state allosteric model for hemoglobin. <i>Biophysical Chemistry</i> , 2002, 98, 149-164.	2.8	140
112	Dynamics of green fluorescent protein mutant2 in solution, on spin-coated glasses, and encapsulated in wet silica gels. <i>Protein Science</i> , 2002, 11, 1152-1161.	7.6	61
113	Molecular Heterogeneity of O-Acetylserine Sulfhydrylase by Two-Photon Excited Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 1973-1985.	0.5	19
114	Functional Characterization of Heme Proteins Encapsulated in Wet Nanoporous Silica Gels. <i>Journal of Nanoscience and Nanotechnology</i> , 2001, 1, 407-415.	0.9	35
115	Allosteric Communication of Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2001, 276, 17747-17753.	3.4	28
116	Role of Pyridoxal 5â€²-Phosphate in the Structural Stabilization of O-Acetylserine Sulfhydrylase. <i>Journal of Biological Chemistry</i> , 2000, 275, 40244-40251.	3.4	35
117	Oxygen binding by Fe^{2+} and Ni^{2+} hemoglobin crystals. <i>Protein Science</i> , 2000, 9, 683-692.	7.6	13
118	Functional properties of immobilized pyridoxal 5â€² TM -phosphate-dependent enzymes probed by absorption microspectrophotometry. , 2000, , 349-354.		1
119	Protein structure-function relationship studied by single crystal polarized absorption microspectrophotometry. , 1999, , 3-6.		0
120	Conformational probes of O-acetylserine sulfhydrylase: fluorescence of tryptophans 50 and 161. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 48, 17-26.	3.8	17
121	Allosteric mechanism of haemoglobin: rupture of salt-bridges raises the oxygen affinity of the T-structure 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 1998, 281, 581-585.	4.2	47
122	Catalytic competence of O-acetylserine sulfhydrylase in the crystal probed by polarized absorption microspectrophotometry. <i>Journal of Molecular Biology</i> , 1998, 283, 135-146.	4.2	20
123	T State Hemoglobin Binds Oxygen Noncooperatively with Allosteric Effects of Protons, Inositol Hexaphosphate, and Chloride. <i>Journal of Biological Chemistry</i> , 1997, 272, 32050-32055.	3.4	113
124	Structure and Oxygen Affinity of Crystalline des-His-146 ^{Î²} Human Hemoglobin in the T State. <i>Journal of Biological Chemistry</i> , 1997, 272, 33077-33084.	3.4	19
125	Allosteric Regulation of Tryptophan Synthase: Effects of pH, Temperature, and Fe^{2+} -Subunit Ligands on the Equilibrium Distribution of Pyridoxal 5â€² ⁻ -Phosphate [~] -l-Serine Intermediates. <i>Biochemistry</i> , 1996, 35, 1872-1880.	2.5	75
126	Oxygen binding by single crystals of hemoglobin: The problem of cooperativity and inequivalence of alpha and beta subunits. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996, 25, 425-437.	2.6	2

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127	Cooperative Oxygen Binding to Scapharca inaequalis Hemoglobin in the Crystal. Journal of Biological Chemistry, 1996, 271, 3627-3632.	3.4	37
128	Oxygen binding by single crystals of hemoglobin: The problem of cooperativity and inequivalence of alpha and beta subunits. Proteins: Structure, Function and Bioinformatics, 1996, 25, 425-437.	2.6	33
129	Oxygen binding by single crystals of hemoglobin: The problem of cooperativity and inequivalence of alpha and beta subunits. Proteins: Structure, Function and Bioinformatics, 1996, 25, 425-437.	2.6	2
130	The Main Players: Hemoglobin and Myoglobin; Nitric Oxide and Oxygen. , 0, , 47-62.		2
131	Engineering the Molecular Shape of PEG-Hemoglobin Adducts for Supraperfusion. , 0, , 345-369.		1