

Stefano Bettati

List of Publications by Year in descending order

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131
papers

3,266
citations

147566

31
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197535

49
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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. <i>Current Medicinal Chemistry</i> , 2022, 29, 411-452.	1.2	16
2	From hemoglobin allostery to hemoglobin-based oxygen carriers. <i>Molecular Aspects of Medicine</i> , 2022, 84, 101050.	2.7	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. <i>Biology</i> , 2022, 11, 350.	1.3	16
4	Cryo-EM structures of staphylococcal IsdB bound to human hemoglobin reveal the process of heme extraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116708119.	3.3	6
5	Human Serine Racemase Weakly Binds the Third PDZ Domain of PSD-95. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4959.	1.8	1
6	Inhibitors of O-Acetylserine Sulfhydrylase with a Cyclopropane-Carboxylic Acid Scaffold Are Effective Colistin Adjuvants in Gram Negative Bacteria. <i>Pharmaceuticals</i> , 2022, 15, 766.	1.7	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. <i>Results in Chemistry</i> , 2022, 4, 100443.	0.9	0
8	Human serine racemase is inhibited by glyceraldehyde 3-phosphate, but not by glyceraldehyde 3-phosphate dehydrogenase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140544.	1.1	3
9	The allosteric interplay between S-nitrosylation and glycine binding controls the activity of human serine racemase. <i>FEBS Journal</i> , 2021, 288, 3034-3054.	2.2	8
10	Investigational Studies on a Hit Compound Cyclopropane-Carboxylic Acid Derivative Targeting O-Acetylserine Sulfhydrylase as a Colistin Adjuvant. <i>ACS Infectious Diseases</i> , 2021, 7, 281-292.	1.8	13
11	Revealing the Dynamic Allosteric Changes Required for Formation of the Cysteine Synthase Complex by Hydrogen-Deuterium Exchange MS. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100098.	2.5	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. <i>Pharmaceuticals</i> , 2021, 14, 174.	1.7	5
13	A Competitive O-Acetylserine Sulfhydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. <i>Catalysts</i> , 2021, 11, 700.	1.6	4
14	A Novel Assay for Phosphoserine Phosphatase Exploiting Serine Acetyltransferase as the Coupling Enzyme. <i>Life</i> , 2021, 11, 485.	1.1	5
15	Stability of Maleimide-PEG and Mono-Sulfone-PEG Conjugation to a Novel Engineered Cysteine in the Human Hemoglobin Alpha Subunit. <i>Frontiers in Chemistry</i> , 2021, 9, 707797.	1.8	4
16	A Key Silencing Histone Mark on Chromatin Is Lost When Colorectal Adenocarcinoma Cells Are Depleted of Methionine by Methionine S-Lyase. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 735303.	1.6	7
17	Modulation of Oxygen Affinity in Hemoglobin-based Oxygen Carriers. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2021, , 375-403.	0.7	1
18	Immobilization of Allantoinase for the Development of an Optical Biosensor of Oxidative Stress States. <i>Sensors</i> , 2020, 20, 196.	2.1	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.	2.3	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.	2.1	7
21	Engineering hemoglobin to enable homogenous PEGylation without modifying protein functionality. <i>Biomaterials Science</i> , 2020, 8, 3896-3906.	2.6	16
22	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine Acetyltransferase Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 790-797.	1.3	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.	1.8	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.	1.8	9
25	More than a Confinement: "Soft" and "Hard" Enzyme Entrapment Modulates Biological Catalyst Function. <i>Catalysts</i> , 2019, 9, 1024.	1.6	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.	1.6	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.	2.5	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.	4.0	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.	1.2	3
30	Protein carbonylation detection methods: A comparison. <i>Data in Brief</i> , 2018, 19, 2215-2220.	0.5	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.	1.1	8
32	Diatom Allantoin Synthase Provides Structural Insights into Natural Fusion Protein Therapeutics. <i>ACS Chemical Biology</i> , 2018, 13, 2237-2246.	1.6	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.	1.6	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.	1.3	13
35	A Trivalent Enzymatic System for Uricolytic Therapy of HPRT Deficiency and Lesch-Nyhan Disease. <i>Pharmaceutical Research</i> , 2017, 34, 1477-1490.	1.7	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.	1.3	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.	1.6	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.	1.1	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.	1.3	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.	1.6	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.	2.5	21
42	Rational Design, Synthesis, and Preliminary Structure-Activity Relationships of β -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.	2.9	28
43	Editorial (Thematic Issue: Organic Polymeric Matrices for the Three-dimensional Immobilization of) <i>TJ ETQq1 1 0.784314 rgBT₀Overlook</i>	0.9	0
44	Experiments on Hemoglobin in Single Crystals and Silica Gels Distinguish among Allosteric Models. <i>Biophysical Journal</i> , 2015, 109, 1264-1272.	0.2	33
45	Regulation of human serine racemase activity and dynamics by halides, ATP and malonate. <i>Amino Acids</i> , 2015, 47, 163-173.	1.2	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.	1.1	35
47	From protein structure to function via single crystal optical spectroscopy. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 12.	1.6	14
48	Immobilization of Proteins in Ormosil Gels: Functional Properties and Applications. <i>Current Organic Chemistry</i> , 2015, 19, 1677-1683.	0.9	5
49	Immobilization of Proteins in Silica Gel: Biochemical and Biophysical Properties. <i>Current Organic Chemistry</i> , 2015, 19, 1653-1668.	0.9	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.	1.2	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.	3.3	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.	1.1	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.	1.1	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.	1.1	9

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55	Tertiary and Quaternary Allostery in Tetrameric Hemoglobin from <i>Scapharca inaequalvis</i> . <i>Biochemistry</i> , 2013, 52, 2108-2117.	1.2	7
56	Tertiary and quaternary effects in the allosteric regulation of animal hemoglobins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1860-1872.	1.1	6
57	Asymmetry of the Active Site Loop Conformation between Subunits of Glutamate-1-semialdehyde Aminomutase in Solution. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	15
58	Exploring O-acetylserine sulfhydrylase-B isoenzyme from <i>Salmonella typhimurium</i> by fluorescence spectroscopy. <i>Archives of Biochemistry and Biophysics</i> , 2011, 505, 178-185.	1.4	8
59	The multifaceted pyridoxal 5-phosphate-dependent O-acetylserine sulfhydrylase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1497-1510.	1.1	39
60	Effect of the point mutation H148G on GFPmut2 unfolding kinetics by fluorescence spectroscopy. <i>Biophysical Chemistry</i> , 2011, 157, 24-32.	1.5	3
61	Protein crystal microspectrophotometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 734-741.	1.1	11
62	Protein dynamics: Experimental and computational approaches. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 913-915.	1.1	1
63	Structure and single crystal spectroscopy of Green Fluorescent Proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 824-833.	1.1	12
64	A Two-step Process Controls the Formation of the Bienenzyme Cysteine Synthase Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 12813-12822.	1.6	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. <i>Biochemistry</i> , 2010, 49, 6093-6103.	1.2	25
67	Photoinduced Millisecond Switching Kinetics in the GFPmut2 E222Q Mutant. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4664-4677.	1.2	12
68	Design of <i>O</i> -Acetylserine Sulfhydrylase Inhibitors by Mimicking Nature. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 345-356.	2.9	75
69	Haemoglobin-based oxygen carriers: research and reality towards an alternative to blood transfusions. <i>Blood Transfusion</i> , 2010, 8 Suppl 3, s59-68.	0.3	24
70	Exercise capacity assessment in patients undergoing lung resection†. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 35, 419-422.	0.6	34
71	Tryptophan synthase: a mine for enzymologists. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2391-2403.	2.4	83
72	Hemoglobin, an "evergreen" red protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1317-1324.	1.1	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.	3.1	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.	1.1	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.	1.1	42
76	High and low oxygen affinity conformations of T state hemoglobin. <i>Protein Science</i> , 2008, 10, 2401-2407.	3.1	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.	1.2	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.	1.2	25
79	Lung metastasis resection of adenoid cystic carcinoma of salivary glands†. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 790-793.	0.6	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.	0.4	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.	0.6	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.	1.2	177
84	Hemocyanin from <i>E. californicum</i> encapsulated in silica gels: Oxygen binding and conformational states. <i>Gene</i> , 2007, 398, 202-207.	1.0	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.	1.2	58
86	Evidence of Discrete Substates and Unfolding Pathways in Green Fluorescent Protein. <i>Biophysical Journal</i> , 2007, 92, 1724-1731.	0.2	16
87	Evolution of allosteric models for hemoglobin. <i>IUBMB Life</i> , 2007, 59, 586-599.	1.5	103
88	Environment effects on the oscillatory unfolding kinetics of GFP. <i>European Biophysics Journal</i> , 2007, 36, 795-803.	1.2	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.	0.2	1
90	Monitoring the Tâ€R transition of human hemoglobin encapsulated in silica gels. <i>FASEB Journal</i> , 2007, 21, A637.	0.2	0

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91	Exploring the pyridoxal 5-phosphate-dependent enzymes. <i>Chemical Record</i> , 2006, 6, 275-287.	2.9	52
92	Allosteric communication between alpha and beta subunits of tryptophan synthase: Modelling the open-closed transition of the alpha subunit. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1102-1109.	1.1	22
93	Circular dichroism spectroscopy of tertiary and quaternary conformations of human hemoglobin entrapped in wet silica gels. <i>Protein Science</i> , 2006, 15, 1961-1967.	3.1	27
94	Thoracoscopic parietal pleural argon beam coagulation versus pleural abrasion in the treatment of primary spontaneous pneumothorax†. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 6-8.	0.6	19
95	Interaction of serine acetyltransferase with O-acetylserine sulfhydrylase active site: Evidence from fluorescence spectroscopy. <i>Protein Science</i> , 2005, 14, 2115-2124.	3.1	83
96	Identification of the Geometric Requirements for Allosteric Communication between the $\hat{\alpha}$ - and $\hat{\beta}$ -Subunits of Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2005, 280, 13450-13456.	1.6	24
97	Evidence for Two Geminate Rebinding States Following Laser Photolysis of R State Hemoglobin Encapsulated in Wet Silica Gels. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11411-11413.	1.2	29
98	Kinetics of Acid-Induced Spectral Changes in the GFPmut2 Chromophore. <i>Journal of the American Chemical Society</i> , 2005, 127, 626-635.	6.6	57
99	Geminate Rebinding in R-State Hemoglobin: Kinetic and Computational Evidence for Multiple Hydrophobic Pockets. <i>Journal of the American Chemical Society</i> , 2005, 127, 17427-17432.	6.6	29
100	Confinement and crowding effects on tryptophan synthase $\hat{\alpha}$ - $\hat{\beta}$ complex. <i>FEBS Letters</i> , 2005, 579, 2197-2202.	1.3	23
101	Unfolding of Green Fluorescent Protein mut2 in wet nanoporous silica gels. <i>Protein Science</i> , 2005, 14, 1125-1133.	3.1	57
102	Tracking Unfolding and Refolding of Single GFPmut2 Molecules. <i>Biophysical Journal</i> , 2005, 89, 2033-2045.	0.2	31
103	pH Dependence of Tryptophan Synthase Catalytic Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 29572-29582.	1.6	10
104	New insights into allosteric mechanisms from trapping unstable protein conformations in silica gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14414-14419.	3.3	110
105	Tyrosine phenol-lyase and tryptophan indole-lyase encapsulated in wet nanoporous silica gels: Selective stabilization of tertiary conformations. <i>Protein Science</i> , 2004, 13, 913-924.	3.1	32
106	Spectroscopic and Functional Characterization of T State Hemoglobin Conformations Encapsulated in Silica Gels. <i>Biochemistry</i> , 2004, 43, 13674-13682.	1.2	49
107	CO Rebinding Kinetics to Myoglobin- and R-State-Hemoglobin-Doped Silica Gels in the Presence of Glycerol. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8475-8484.	1.2	26
108	The molecular pathway for the allosteric regulation of tryptophan synthase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 157-160.	1.1	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.	1.6	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.	1.5	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.	3.1	61
113	Molecular Heterogeneity of O-Acetylserine Sulfhydrylase by Two-Photon Excited Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 1973-1985.	0.2	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.	1.6	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.	1.6	35
117	Oxygen binding by Fe^{2+} and Ni^{2+} hemoglobin crystals. <i>Protein Science</i> , 2000, 9, 683-692.	3.1	13
118	Functional properties of immobilized pyridoxal 5â€²-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.	1.7	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.	2.0	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.	2.0	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.	1.6	113
124	Structure and Oxygen Affinity of Crystalline des-His-146 ² Human Hemoglobin in the T State. <i>Journal of Biological Chemistry</i> , 1997, 272, 33077-33084.	1.6	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~I-Serine Intermediates. <i>Biochemistry</i> , 1996, 35, 1872-1880.	1.2	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.	1.5	2

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127	Cooperative Oxygen Binding to Scapharca inaequalvis Hemoglobin in the Crystal. Journal of Biological Chemistry, 1996, 271, 3627-3632.	1.6	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.	1.5	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.	1.5	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