

Andrea Mozzarelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8982013/publications.pdf>

Version: 2024-02-01

252
papers

7,906
citations

47006

47
h-index

82547

72
g-index

306
all docs

306
docs citations

306
times ranked

5892
citing authors

#	ARTICLE	IF	CITATIONS
1	Is cooperative oxygen binding by hemoglobin really understood?. <i>Nature Structural Biology</i> , 1999, 6, 351-358.	9.7	292
2	Delay time of hemoglobin S polymerization prevents most cells from sickling in vivo. <i>Science</i> , 1987, 237, 500-506.	12.6	209
3	Pyridoxal 5-Phosphate Enzymes as Targets for Therapeutic Agents. <i>Current Medicinal Chemistry</i> , 2007, 14, 1291-1324.	2.4	177
4	Crystal structures and inhibitor binding in the octameric flavoenzyme vanillyl-alcohol oxidase: the shape of the active-site cavity controls substrate specificity. <i>Structure</i> , 1997, 5, 907-920.	3.3	154
5	Simple, Intuitive Calculations of Free Energy of Binding for Protein-Ligand Complexes. 1. Models without Explicit Constrained Water. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2469-2483.	6.4	131
6	Structures of Γ^3 -Aminobutyric Acid (GABA) Aminotransferase, a Pyridoxal 5-Phosphate, and [2Fe-2S] Cluster-containing Enzyme, Complexed with Γ^3 -Ethynyl-GABA and with the Antiepilepsy Drug Vigabatrin. <i>Journal of Biological Chemistry</i> , 2004, 279, 363-373.	3.4	129
7	Oxygen binding by single crystals of hemoglobin. <i>Biochemistry</i> , 1993, 32, 2888-2906.	2.5	128
8	Crystals of haemoglobin with the T quaternary structure bind oxygen noncooperatively with no Bohr effect. <i>Nature</i> , 1991, 351, 416-419.	27.8	121
9	From muscle to meat-molecular events and technological transformations: The proteomics insight. <i>Journal of Proteomics</i> , 2012, 75, 4275-4289.	2.4	115
10	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
11	Protein Function in the Crystal. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1996, 25, 343-365.	18.3	112
12	Simple, Intuitive Calculations of Free Energy of Binding for Protein-Ligand Complexes. 3. The Free Energy Contribution of Structural Water Molecules in HIV-1 Protease Complexes. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 4507-4516.	6.4	112
13	The Roles of Water in the Protein Matrix: A Largely Untapped Resource for Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6781-6827.	6.4	111
14	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.	7.1	110
15	Evolution of allosteric models for hemoglobin. <i>IUBMB Life</i> , 2007, 59, 586-599.	3.4	103
16	Drug Discovery Targeting Amino Acid Racemases. <i>Chemical Reviews</i> , 2011, 111, 6919-6946.	47.7	97
17	Robust Classification of Relevant Water Molecules in Putative Protein Binding Sites. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1063-1067.	6.4	93
18	Active Site Plasticity in D-Amino Acid Oxidase: A Crystallographic Analysis. <i>Biochemistry</i> , 1997, 36, 5853-5860.	2.5	89

#	ARTICLE	IF	CITATIONS
19	Free Energy of Ligand Binding to Protein: Evaluation of the Contribution of Water Molecules by Computational Methods. <i>Current Medicinal Chemistry</i> , 2004, 11, 3093-3118.	2.4	89
20	Monovalent Cations Affect Dynamic and Functional Properties of the Tryptophan Synthase $\alpha_2\beta_2$ Complex. <i>Biochemistry</i> , 1995, 34, 9459-9465.	2.5	86
21	Mapping the Energetics of Water-Protein and Water-Ligand Interactions with the Natural HINT Forcefield: Predictive Tools for Characterizing the Roles of Water in Biomolecules. <i>Journal of Molecular Biology</i> , 2006, 358, 289-309.	4.2	85
22	Interaction of serine acetyltransferase with O-acetylserine sulfhydrylase active site: Evidence from fluorescence spectroscopy. <i>Protein Science</i> , 2005, 14, 2115-2124.	7.6	83
23	Tryptophan synthase: a mine for enzymologists. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2391-2403.	5.4	83
24	Simple, Intuitive Calculations of Free Energy of Binding for Protein-Ligand Complexes. 2. Computational Titration and pH Effects in Molecular Models of Neuraminidase Inhibitor Complexes. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4487-4500.	6.4	77
25	Allosteric Regulation of Tryptophan Synthase: Effects of pH, Temperature, and Subunit Ligands on the Equilibrium Distribution of Pyridoxal 5-Phosphate-l-Serine Intermediates. <i>Biochemistry</i> , 1996, 35, 1872-1880.	2.5	75
26	Design of O-Acetylserine Sulfhydrylase Inhibitors by Mimicking Nature. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 345-356.	6.4	75
27	High and low oxygen affinity conformations of T state hemoglobin. <i>Protein Science</i> , 2008, 10, 2401-2407.	7.6	74
28	Identification of Xenoestrogens in Food Additives by an Integrated in Silico and in Vitro Approach. <i>Chemical Research in Toxicology</i> , 2009, 22, 52-63.	3.3	74
29	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
30	Exploring and exploiting allostery: Models, evolution, and drug targeting. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 922-933.	2.3	60
31	Functional Properties of the Active Core of Human Cystathionine Synthase Crystals. <i>Journal of Biological Chemistry</i> , 2001, 276, 16-19.	3.4	58
32	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
33	The consequences of scoring docked ligand conformations using free energy correlations. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 921-933.	5.5	58
34	Microspectrophotometric Studies on Single Crystals of the Tryptophan Synthase $\alpha_2\beta_2$ Complex Demonstrate Formation of Enzyme-Substrate Intermediates. <i>Journal of Biological Chemistry</i> , 1989, 264, 15774-15780.	3.4	58
35	Kinetics of Acid-Induced Spectral Changes in the GFPmut2 Chromophore. <i>Journal of the American Chemical Society</i> , 2005, 127, 626-635.	13.7	57
36	Unfolding of Green Fluorescent Protein mut2 in wet nanoporous silica gels. <i>Protein Science</i> , 2005, 14, 1125-1133.	7.6	57

#	ARTICLE	IF	CITATIONS
37	Energetics of the protein-DNA-water interaction. <i>BMC Structural Biology</i> , 2007, 7, 4.	2.3	57
38	Bound Water at Protein-Protein Interfaces: Partners, Roles and Hydrophobic Bubbles as a Conserved Motif. <i>PLoS ONE</i> , 2011, 6, e24712.	2.5	57
39	Conformational changes and subunit communication in tryptophan synthase: effect of substrates and substrate analogs. <i>Biochemistry</i> , 1992, 31, 7535-7542.	2.5	56
40	The Reactivity with CO of AHb1 and AHb2 from <i>Arabidopsis thaliana</i> is Controlled by the Distal HisE7 and Internal Hydrophobic Cavities. <i>Journal of the American Chemical Society</i> , 2007, 129, 2880-2889.	13.7	54
41	Time-resolved methods in Biophysics. 2. Monitoring haem proteins at work with nanosecond laser flash photolysis. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 1109.	2.9	53
42	Muscle and meat: New horizons and applications for proteomics on a farm to fork perspective. <i>Journal of Proteomics</i> , 2013, 88, 58-82.	2.4	53
43	Exploring the pyridoxal 5â€²-phosphate-dependent enzymes. <i>Chemical Record</i> , 2006, 6, 275-287.	5.8	52
44	Microspectrophotometry for structural enzymology. <i>Current Opinion in Structural Biology</i> , 2004, 14, 656-662.	5.7	51
45	Allosteric effectors do not alter the oxygen affinity of hemoglobin crystals. <i>Protein Science</i> , 1997, 6, 484-489.	7.6	50
46	Structure and Oxygen Affinity of Crystalline of DesArg141± Human Hemoglobin A in the T State. <i>Journal of Molecular Biology</i> , 1995, 248, 136-150.	4.2	49
47	Functional and Spectroscopic Characterization of Half-Liganded Iron~Zinc Hybrid Hemoglobin:â€” Evidence for Conformational Plasticity within the T State,. <i>Biochemistry</i> , 2003, 42, 8272-8288.	2.5	49
48	Spectroscopic and Functional Characterization of T State Hemoglobin Conformations Encapsulated in Silica Gelsâ€”. <i>Biochemistry</i> , 2004, 43, 13674-13682.	2.5	49
49	Allosteric mechanism of haemoglobin: rupture of salt-bridges raises the oxygen affinity of the T-structure 1 1Edited by D. Rees. <i>Journal of Molecular Biology</i> , 1998, 281, 581-585.	4.2	47
50	Ligand migration through the internal hydrophobic cavities in human neuroglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18984-18989.	7.1	47
51	Discovery of Covalent Inhibitors of Glyceraldehyde-3-phosphate Dehydrogenase, A Target for the Treatment of Malaria. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7465-7471.	6.4	47
52	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
53	Anticooperative ligand binding properties of recombinant ferric <i>Vitreoscilla</i> homodimeric hemoglobin: A thermodynamic, kinetic and X-ray crystallographic study 1 1Edited by K. Nagei 2 2This paper is dedicated to Professor Giampaolo Bolognesi on the occasion of his 75th birthday.. <i>Journal of Molecular Biology</i> , 1999, 291, 637-650.	4.2	45
54	PEGylation Promotes Hemoglobin Tetramer Dissociation. <i>Bioconjugate Chemistry</i> , 2009, 20, 1356-1366.	3.6	45

#	ARTICLE	IF	CITATIONS
55	Cryocrystallography and Microspectrophotometry of a Mutant (Î±D60N) Tryptophan Synthase Î±2Î²2 Complex Reveals Allosteric Roles of Î±Asp60. <i>Biochemistry</i> , 1998, 37, 10653-10659.	2.5	44
56	Energy-based prediction of amino acid-nucleotide base recognition. <i>Journal of Computational Chemistry</i> , 2008, 29, 1955-1969.	3.3	44
57	Identification of a Small Molecule that Increases Hemoglobin Oxygen Affinity and Reduces SS Erythrocyte Sickling. <i>ACS Chemical Biology</i> , 2014, 9, 2318-2325.	3.4	44
58	Isozyme-Specific Ligands for O-acetylserine sulfhydrylase, a Novel Antibiotic Target. <i>PLoS ONE</i> , 2013, 8, e77558.	2.5	43
59	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
60	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
61	Microspectrophotometric studies on single crystals of the tryptophan synthase alpha 2 beta 2 complex demonstrate formation of enzyme-substrate intermediates. <i>Journal of Biological Chemistry</i> , 1989, 264, 15774-80.	3.4	42
62	The multifaceted pyridoxal 5-phosphate-dependent O-acetylserine sulfhydrylase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1497-1510.	2.3	39
63	Mutational Effects at the Subunit Interfaces of Human Hemoglobin: Evidence for a Unique Sensitivity of the T Quaternary State to Changes in the Hinge Region of the Î±1Î²2 Interface. <i>Biochemistry</i> , 2001, 40, 12357-12368.	2.5	38
64	Cooperative Oxygen Binding to Scapharca inaequalis Hemoglobin in the Crystal. <i>Journal of Biological Chemistry</i> , 1996, 271, 3627-3632.	3.4	37
65	Crystal Structures of a New Class of Allosteric Effectors Complexed to Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2002, 277, 10647-10652.	3.4	36
66	Design and synthesis of trans-2-substituted-cyclopropane-1-carboxylic acids as the first non-natural small molecule inhibitors of O-acetylserine sulfhydrylase. <i>MedChemComm</i> , 2012, 3, 1111.	3.4	36
67	Role of Pyridoxal 5-Phosphate in the Structural Stabilization of O-Acetylserine Sulfhydrylase. <i>Journal of Biological Chemistry</i> , 2000, 275, 40244-40251.	3.4	35
68	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
69	Trapping of the Thioacylglyceraldehyde-3-phosphate Dehydrogenase Intermediate from <i>Bacillus stearothermophilus</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 21693-21702.	3.4	35
70	A Two-step Process Controls the Formation of the Bienenzyme Cysteine Synthase Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 12813-12822.	3.4	35
71	Fine tuning of the active site modulates specificity in the interaction of O-acetylserine sulfhydrylase isozymes with serine acetyltransferase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 169-181.	2.3	35
72	Moonlighting O-acetylserine sulfhydrylase: New functions for an old protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1184-1193.	2.3	35

#	ARTICLE	IF	CITATIONS
73	Computational Titration Analysis of a Multiprotic HIV-1 Protease~Ligand Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 11764-11765.	13.7	34
74	Serine racemase: a key player in neuron activity and in neuropathologies. <i>Frontiers in Bioscience - Landmark</i> , 2013, 18, 1112.	3.0	34
75	<sc>ATP</sc> binding to human serine racemase is cooperative and modulated by glycine. <i>FEBS Journal</i> , 2013, 280, 5853-5863.	4.7	33
76	Experiments on Hemoglobin in Single Crystals and Silica Gels Distinguish among Allosteric Models. <i>Biophysical Journal</i> , 2015, 109, 1264-1272.	0.5	33
77	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	33
78	Time-Resolved Fluorescence of O-Acetylserine Sulfhydrylase Catalytic Intermediates. <i>Biochemistry</i> , 1997, 36, 15419-15427.	2.5	32
79	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.	7.6	32
80	Getting it right: modeling of pH, solvent and nearly everything else in virtual screening of biological targets. <i>Journal of Molecular Graphics and Modelling</i> , 2004, 22, 479-486.	2.4	32
81	Different roles of protein dynamics and ligand migration in non-symbiotic hemoglobins AHb1 and AHb2 from <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2007, 398, 224-233.	2.2	32
82	Proteomic analysis of pork meat in the production of cooked ham. <i>Molecular BioSystems</i> , 2011, 7, 2252.	2.9	32
83	Tracking Unfolding and Refolding of Single GFPmut2 Molecules. <i>Biophysical Journal</i> , 2005, 89, 2033-2045.	0.5	31
84	Time-resolved fluorescence of O-acetylserine sulfhydrylase. <i>BBA - Proteins and Proteomics</i> , 1999, 1429, 317-330.	2.1	29
85	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.	2.6	29
86	Determination of Microscopic Rate Constants for CO Binding and Migration in Myoglobin Encapsulated in Silica Gels. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19523-19528.	2.6	29
87	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.	13.7	29
88	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
89	Allosteric Communication of Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2001, 276, 17747-17753.	3.4	28
90	Crystal Structure of the Ser178 Pro Mutant of Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2002, 277, 10653-10660.	3.4	28

#	ARTICLE	IF	CITATIONS
91	CO Rebinding Kinetics and Molecular Dynamics Simulations Highlight Dynamic Regulation of Internal Cavities in Human Cytochrome b5. <i>PLoS ONE</i> , 2013, 8, e49770.	2.5	28
92	Rational Design, Synthesis, and Preliminary Structure-Activity Relationships of β -Substituted-2-Phenylcyclopropane Carboxylic Acids as Inhibitors of <i>Salmonella typhimurium</i> O-Acetylserine Sulfhydrylase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2567-2578.	6.4	28
93	The Energy Landscape of Human Serine Racemase. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 112.	3.5	28
94	Snapshots of the Cystine Lyase C-DES during Catalysis. <i>Journal of Biological Chemistry</i> , 2003, 278, 357-365.	3.4	27
95	Circular dichroism spectroscopy of tertiary and quaternary conformations of human hemoglobin entrapped in wet silica gels. <i>Protein Science</i> , 2006, 15, 1961-1967.	7.6	27
96	Ligand Migration in Nonsymbiotic Hemoglobin AHb1 from <i>Arabidopsis thaliana</i> . <i>Journal of Physical Chemistry B</i> , 2007, 111, 12582-12590.	2.6	27
97	Proteomics of Parma Dry-Cured Ham: Analysis of Salting Exudates. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6307-6316.	5.2	27
98	Characterization of tryptophan and coenzyme luminescence in tryptophan synthase from <i>Salmonella typhimurium</i> . <i>Biochemistry</i> , 1992, 31, 7527-7534.	2.5	26
99	Crystals of Tryptophan Indole-Lyase and Tyrosine Phenol-Lyase Form Stable Quinonoid Complexes. <i>Journal of Biological Chemistry</i> , 2002, 277, 21592-21597.	3.4	26
100	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.	2.6	26
101	Targeting Cystatin A, a Virulence Factor of <i>Treponema denticola</i> -Supported Periodontitis. <i>ChemMedChem</i> , 2014, 9, 1501-1511.	3.2	26
102	Enhanced geminate ligand rebinding upon photo-dissociation of silica gel-embedded myoglobin-CO. <i>Chemical Physics Letters</i> , 2001, 346, 430-436.	2.6	25
103	Identification of the Structural Determinants for the Stability of Substrate and Aminoacylate External Schiff Bases in O-Acetylserine Sulfhydrylase-A. <i>Biochemistry</i> , 2010, 49, 6093-6103.	2.5	25
104	Human kynurenine aminotransferase reactivity with substrates and inhibitors. <i>FEBS Journal</i> , 2011, 278, 1882-1900.	4.7	25
105	Effect of chloride on oxygen binding to crystals of hemoglobin Rothschild (.beta.37 Trp .fwdarw. Arg) in the T quaternary structure. <i>Biochemistry</i> , 1993, 32, 6411-6418.	2.5	24
106	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
107	Identification of the Geometric Requirements for Allosteric Communication between the β - and β' -Subunits of Tryptophan Synthase. <i>Journal of Biological Chemistry</i> , 2005, 280, 13450-13456.	3.4	24
108	MediaChrom: Discovering a Class of Pyrimidoindolone-Based Polarity-Sensitive Dyes. <i>Journal of Organic Chemistry</i> , 2015, 80, 10939-10954.	3.2	24

#	ARTICLE	IF	CITATIONS
109	Kinetic studies of crystalline enzymes by single crystal microspectrophotometry. Analysis of a single catalytic turnover in a D-glyceraldehyde-3-phosphate dehydrogenase crystal.. Journal of Biological Chemistry, 1979, 254, 8480-8486.	3.4	24
110	Haemoglobin-based oxygen carriers: research and reality towards an alternative to blood transfusions. Blood Transfusion, 2010, 8 Suppl 3, s59-68.	0.4	24
111	Catalytic and regulatory properties of d-glyceraldehyde-3-phosphate dehydrogenase in the crystal. Journal of Molecular Biology, 1977, 110, 405-415.	4.2	23
112	Confinement and crowding effects on tryptophan synthase $\hat{1}\pm 2\hat{1}^2$ complex. FEBS Letters, 2005, 579, 2197-2202.	2.8	23
113	Chemogenomic Strategies to Expand the Bioactive Chemical Space. Current Medicinal Chemistry, 2009, 16, 4374-4381.	2.4	23
114	Engineering tyrosine electron transfer pathways decreases oxidative toxicity in hemoglobin: implications for blood substitute design. Biochemical Journal, 2016, 473, 3371-3383.	3.7	23
115	Catalytic Activity of Aspartate Aminotransferase in the Crystal. Equilibrium and Kinetic Analysis. FEBS Journal, 1979, 98, 173-179.	0.2	22
116	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
117	Expanding the chemical space of human serine racemase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4297-4303.	2.2	22
118	Comparison of the oxidative reactivity of recombinant fetal and adult human hemoglobin: implications for the design of hemoglobin-based oxygen carriers. Bioscience Reports, 2018, 38, .	2.4	22
119	Complex formation and intermolecular electron transfer between flavocytochrome b2 in the crystal and cytochrome c.. Journal of Biological Chemistry, 1983, 258, 5424-5427.	3.4	22
120	Time-resolved fluorescence of tryptophan synthase. Biophysical Chemistry, 1996, 61, 9-22.	2.8	21
121	Regulation of human serine racemase activity and dynamics by halides, ATP and malonate. Amino Acids, 2015, 47, 163-173.	2.7	21
122	Cyclopropane-1,2-dicarboxylic acids as new tools for the biophysical investigation of <i>O</i> -acetylserine sulphydrylases by fluorimetric methods and saturation transfer difference (STD) NMR. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 78-87.	5.2	21
123	Catalytic competence of <i>O</i> -acetylserine sulphydrylase in the crystal probed by polarized absorption microspectrophotometry. Journal of Molecular Biology, 1998, 283, 135-146.	4.2	20
124	Novel allosteric effectors of the tryptophan synthase $\hat{1}\pm 2\hat{1}^2$ complex identified by computer-assisted molecular modeling. BBA - Proteins and Proteomics, 2000, 1476, 287-299.	2.1	20
125	Structural Plasticity and Functional Implications of Internal Cavities in Distal Mutants of Type 1 Non-Symbiotic Hemoglobin AHb1 from <i>Arabidopsis thaliana</i> . Journal of Physical Chemistry B, 2009, 113, 16028-16038.	2.6	20
126	Histidine E7 Dynamics Modulates Ligand Exchange between Distal Pocket and Solvent in AHb1 from <i>Arabidopsis thaliana</i> . Journal of Physical Chemistry B, 2011, 115, 4138-4146.	2.6	20

#	ARTICLE	IF	CITATIONS
127	Protein carbonylation detection methods: A comparison. <i>Data in Brief</i> , 2018, 19, 2215-2220.	1.0	20
128	Immobilization of Proteins in Silica Gel: Biochemical and Biophysical Properties. <i>Current Organic Chemistry</i> , 2015, 19, 1653-1668.	1.6	20
129	Structure and Oxygen Affinity of Crystalline des-His-146 ^{H2} Human Hemoglobin in the T State. <i>Journal of Biological Chemistry</i> , 1997, 272, 33077-33084.	3.4	19
130	Effect of pH and Monovalent Cations on the Formation of Quinonoid Intermediates of the Tryptophan Synthase $\alpha\beta$ Complex in Solution and in the Crystal. <i>Journal of Biological Chemistry</i> , 2000, 275, 6956-6962.	3.4	19
131	Molecular Heterogeneity of O-Acetylserine Sulfhydrylase by Two-Photon Excited Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 1973-1985.	0.5	19
132	Role of Aspartate-133 and Histidine-458 in the Mechanism of Tryptophan Indole-Lyase from <i>Proteus vulgaris</i> . <i>Biochemistry</i> , 2003, 42, 11161-11169.	2.5	19
133	Oxygen binding to <i>Arabidopsis thaliana</i> AHB2 nonsymbiotic hemoglobin: evidence for a role in oxygen transport. <i>IUBMB Life</i> , 2011, 63, 355-362.	3.4	19
134	Engineering tyrosine residues into hemoglobin enhances heme reduction, decreases oxidative stress and increases vascular retention of a hemoglobin based blood substitute. <i>Free Radical Biology and Medicine</i> , 2019, 134, 106-118.	2.9	19
135	Kinetic studies of crystalline enzymes by single crystal microspectrophotometry. Analysis of a single catalytic turnover in a D-glyceraldehyde-3-phosphate dehydrogenase crystal. <i>Journal of Biological Chemistry</i> , 1979, 254, 8480-6.	3.4	19
136	Tools for building a comprehensive modeling system for virtual screening under real biological conditions: The Computational Titration algorithm. <i>Journal of Molecular Graphics and Modelling</i> , 2006, 24, 434-439.	2.4	18
137	Exploring methionine β -lyase structure-function relationship via microspectrophotometry and X-ray crystallography. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 834-842.	2.3	18
138	Selectivity of 3-bromo-isoxazoline inhibitors between human and <i>Plasmodium falciparum</i> glyceraldehyde-3-phosphate dehydrogenases. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2654-2659.	3.0	18
139	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
140	Site-directed mutations of human hemoglobin at residue 35 ^{H2} : A residue at the intersection of the $\alpha\beta$ 1, $\alpha\beta$ 2, and $\beta\beta$ 2 interfaces. <i>Protein Science</i> , 2001, 10, 1847-1855.	7.6	17
141	Magnesium and calcium ions differentially affect human serine racemase activity and modulate its quaternary equilibrium toward a tetrameric form. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 381-387.	2.3	17
142	Discovery of novel fragments inhibiting O-acetylserine sulphhydrylase by combining scaffold hopping and ligand-based drug design. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1444-1452.	5.2	17
143	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine <i>O</i> -Acetyltransferase Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 790-797.	2.8	17
144	Sulfur Mobilization in Cyanobacteria. <i>Journal of Biological Chemistry</i> , 2006, 281, 38769-38780.	3.4	16

#	ARTICLE	IF	CITATIONS
145	Evidence of Discrete Substates and Unfolding Pathways in Green Fluorescent Protein. <i>Biophysical Journal</i> , 2007, 92, 1724-1731.	0.5	16
146	Oxygen and nitric oxide rebinding kinetics in nonsymbiotic hemoglobin AHb1 from <i>Arabidopsis thaliana</i> . <i>IUBMB Life</i> , 2011, 63, 1094-1100.	3.4	16
147	Engineering hemoglobin to enable homogenous PEGylation without modifying protein functionality. <i>Biomaterials Science</i> , 2020, 8, 3896-3906.	5.4	16
148	Hemoglobin, an "evergreen" red protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1317-1324.	2.3	15
149	Ligand migration and hexacoordination in type 1 non-symbiotic rice hemoglobin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1042-1053.	2.3	15
150	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.	1.9	15
151	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
152	Higher expression of miR-133b is associated with better efficacy of erlotinib as the second or third line in non-small cell lung cancer patients. <i>PLoS ONE</i> , 2018, 13, e0196350.	2.5	15
153	Protein isomerization in the NAD ⁺ -dependent activation of beta-(2-furyl)acryloyl-glyceraldehyde-3-phosphate dehydrogenase in the crystal. <i>Journal of Biological Chemistry</i> , 1982, 257, 6739-6744.	3.4	15
154	From hemoglobin allostery to hemoglobin-based oxygen carriers. <i>Molecular Aspects of Medicine</i> , 2022, 84, 101050.	6.4	15
155	Modulation of expression and polymerization of hemoglobin Polytaur, a potential blood substitute. <i>Archives of Biochemistry and Biophysics</i> , 2011, 505, 42-47.	3.0	14
156	Unintended consequences? Water molecules at biological and crystallographic protein-protein interfaces. <i>Computational Biology and Chemistry</i> , 2013, 47, 126-141.	2.3	14
157	From protein structure to function via single crystal optical spectroscopy. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 12.	3.5	14
158	Crystallographic symmetry and coenzyme binding properties of D-glyceraldehyde-3-phosphate dehydrogenase from the tail muscle of <i>Palinurus vulgaris</i> . <i>Journal of Biological Chemistry</i> , 1979, 254, 8004-8006.	3.4	14
159	Plasticity of the Tryptophan Synthase Active Site Probed by ³¹ P NMR Spectroscopy. <i>Journal of Biological Chemistry</i> , 1998, 273, 33247-33253.	3.4	13
160	HINT predictive analysis of binding between retinol binding protein and hydrophobic ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2129-2132.	2.2	13
161	Oxygen binding by single red blood cells from the red-eared turtle <i>Trachemys scripta</i> . <i>Journal of Applied Physiology</i> , 2001, 90, 1679-1684.	2.5	13
162	Oxygen binding by $\hat{1}\pm(\text{Fe}^{2+})_{2}\hat{1}^2(\text{Ni}^{2+})_{2}$ hemoglobin crystals. <i>Protein Science</i> , 2000, 9, 683-692.	7.6	13

#	ARTICLE	IF	CITATIONS
163	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
164	Covalent Inhibitors of Plasmodium falciparum Glyceraldehyde 3-Phosphate Dehydrogenase with Antimalarial Activity in Vitro. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 590-595.	2.8	13
165	Investigational Studies on a Hit Compound Cyclopropane- α -Carboxylic Acid Derivative Targeting <i>O</i> -Acetylserine Sulfhydrylase as a Colistin Adjuvant. <i>ACS Infectious Diseases</i> , 2021, 7, 281-292.	3.8	13
166	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
167	The molecular pathway for the allosteric regulation of tryptophan synthase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 157-160.	2.3	12
168	Water: How to evaluate its contribution in protein-ligand interactions. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 647-651.	2.0	12
169	Control of Ionizable Residues in the Catalytic Mechanism of Tryptophan Synthase from <i>Salmonella typhimurium</i> . <i>Biochemistry</i> , 2007, 46, 13223-13234.	2.5	12
170	Hemoglobin-based oxygen carriers as blood substitutes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1363-1364.	2.3	12
171	Pyridoxal 5 α -Phosphate-Dependent Enzymes: Catalysis, Conformation, and Genomics. , 2010, , 273-350.		12
172	X-ray crystallography marries spectroscopy to unveil structure and function of biological macromolecules. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 731-733.	2.3	12
173	Chemogenomics of pyridoxal 5 α -phosphate dependent enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 183-194.	5.2	12
174	Insight of Saffron Proteome by Gel-Electrophoresis. <i>Molecules</i> , 2016, 21, 167.	3.8	12
175	Cyclopropane derivatives as potential human serine racemase inhibitors: unveiling novel insights into a difficult target. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 645-652.	5.2	12
176	Gene cloning, characterization, and cytotoxic activity of methionine β -lyase from <i>Clostridium novyi</i> . <i>IUBMB Life</i> , 2017, 69, 668-676.	3.4	12
177	Inhibition of <i>O</i> -acetylserine sulfhydrylase by fluoroalanine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1343-1351.	5.2	12
178	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
179	More than a Confinement: α -Soft and α -Hard-Enzyme Entrapment Modulates Biological Catalyst Function. <i>Catalysts</i> , 2019, 9, 1024.	3.5	12
180	Refining the structure-activity relationships of 2-phenylcyclopropane carboxylic acids as inhibitors of <i>O</i> -acetylserine sulfhydrylase isoforms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 31-43.	5.2	12

#	ARTICLE	IF	CITATIONS
181	Enzyme Replacement Therapy for Genetic Disorders Associated with Enzyme Deficiency. <i>Current Medicinal Chemistry</i> , 2022, 29, 489-525.	2.4	12
182	Protein crystal microspectrophotometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 734-741.	2.3	11
183	Human serine racemase is allosterically modulated by NADH and reduced nicotinamide derivatives. <i>Biochemical Journal</i> , 2016, 473, 3505-3516.	3.7	11
184	Human serine racemase is nitrosylated at multiple sites. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 813-821.	2.3	11
185	Engineering methionine $\hat{1}^3$ -lyase from <i>Citrobacter freundii</i> for anticancer activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 1260-1270.	2.3	11
186	Protein isomerization in the NAD ⁺ -dependent activation of beta-(2-furyl)acryloyl-glyceraldehyde-3-phosphate dehydrogenase in the crystal. <i>Journal of Biological Chemistry</i> , 1982, 257, 6739-44.	3.4	11
187	pH Dependence of Tryptophan Synthase Catalytic Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 29572-29582.	3.4	10
188	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
189	Complexity in Modeling and Understanding Protonation States: Computational Titration of HIV $\hat{1}$ â€Proteaseâ€Inhibitor Complexes. <i>Chemistry and Biodiversity</i> , 2007, 4, 2564-2577.	2.1	10
190	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
191	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
192	Structural insight into the interaction of <i>O</i> -acetylserine sulphydrylase with competitive, peptidic inhibitors by saturation transfer difference $\hat{1}$ â€NMR $\hat{1}$. <i>FEBS Letters</i> , 2016, 590, 943-953.	2.8	10
193	Microspectrophotometric measurements on single crystals of mitochondrial serine hydroxymethyltransferase.. <i>Journal of Biological Chemistry</i> , 1981, 256, 3776-3780.	3.4	10
194	Unfolding of pyridoxal 5 $\hat{1}$ â€ ² -phosphate-dependent <i>O</i> -acetylserine sulphydrylase probed by time-resolved tryptophan fluorescence. <i>BBA - Proteins and Proteomics</i> , 2002, 1596, 47-54.	2.1	9
195	Low affinity PEGylated hemoglobin from <i>Trematomus bernacchii</i> , a model for hemoglobin-based blood substitutes. <i>BMC Biochemistry</i> , 2011, 12, 66.	4.4	9
196	Electrophoretic analysis of PEGylated hemoglobin-based blood substitutes. <i>Analytical Biochemistry</i> , 2011, 408, 118-123.	2.4	9
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	Current Perspectives on the Kinetics of Hemoglobin S Gelation. <i>Annals of the New York Academy of Sciences</i> , 1989, 565, 53-62.	3.8	8
200	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.	3.0	8
201	Soluble and Nanoporous Silica Gel-Entrapped <i>C. freundii</i> Methionine S^3 -Lyase. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2210-2219.	0.9	8
202	Is the protein profile of pig <i>Longissimus dorsi</i> affected by gender and diet?. <i>Journal of Proteomics</i> , 2019, 206, 103437.	2.4	8
203	The allosteric interplay between S-nitrosylation and glycine binding controls the activity of human serine racemase. <i>FEBS Journal</i> , 2021, 288, 3034-3054.	4.7	8
204	Microspectrophotometric measurements on single crystals of mitochondrial serine hydroxymethyltransferase. <i>Journal of Biological Chemistry</i> , 1981, 256, 3776-80.	3.4	8
205	Is cooperative oxygen binding by hemoglobin really understood?. <i>Rendiconti Lincei</i> , 2006, 17, 147-162.	2.2	7
206	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
207	Tertiary and Quaternary Allostery in Tetrameric Hemoglobin from <i>Scapharca inaequalvis</i> . <i>Biochemistry</i> , 2013, 52, 2108-2117.	2.5	7
208	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
209	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
210	A Key Silencing Histone Mark on Chromatin Is Lost When Colorectal Adenocarcinoma Cells Are Depleted of Methionine by Methionine S^3 -Lyase. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 735303.	3.5	7
211	Cofactor Chemogenomics. <i>Methods in Molecular Biology</i> , 2009, 575, 93-122.	0.9	6
212	Interaction of a Coenzyme Analog with Aspartate Aminotransferase Isoenzymes in the Crystal. <i>FEBS Journal</i> , 1983, 133, 47-49.	0.2	5
213	Environment effects on the oscillatory unfolding kinetics of GFP. <i>European Biophysics Journal</i> , 2007, 36, 795-803.	2.2	5
214	Polymerized and polyethylene glycol-conjugated hemoglobins: A globin-based calibration curve for dynamic light scattering analysis. <i>Analytical Biochemistry</i> , 2010, 401, 266-270.	2.4	5
215	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.	3.8	5
216	Allosteric Regulation of Tryptophan Synthase: A pKa Change at S^2 -Active Site Induced by S^{\pm} -Subunit. , 1991, , 273-275.		5

#	ARTICLE	IF	CITATIONS
217	Characterization of Ligand Migration Mechanisms inside Hemoglobins from the Analysis of Geminate Rebinding Kinetics. <i>Methods in Enzymology</i> , 2008, 437, 329-345.	1.0	4
218	Structural and Functional Characterization of the Globin-Coupled Sensors of <i>Azotobacter vinelandii</i> and <i>Bordetella pertussis</i> . <i>Antioxidants and Redox Signaling</i> , 2020, 32, 378-395.	5.4	4
219	A Competitive O-Acetylserine Sulphydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. <i>Catalysts</i> , 2021, 11, 700.	3.5	4
220	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.	3.6	4
221	Single Crystal Polarized Absorption Microspectrophotometry of Aromatic L-Amino Acid Decarboxylase. <i>Protein and Peptide Letters</i> , 1994, 1, 98-105.	0.9	4
222	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
223	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.	2.3	3
224	Water induced TSDC in hemoglobin and myoglobin. , 0, , .		2
225	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
226	Development of a novel, hemolysis-resistant reagent for assessment of $\hat{\alpha}$ -amylase in biological fluids. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 1409-15.	2.3	2
227	Phospholipid components of the synthetic pulmonary surfactant CHF5633 probed by fluorescence spectroscopy. <i>International Journal of Pharmaceutics</i> , 2018, 553, 290-297.	5.2	2
228	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
229	The Main Players: Hemoglobin and Myoglobin; Nitric Oxide and Oxygen. , 0, , 47-62.		2
230	International Consortium for Development of Hemoglobin-Based Oxygen Carriers, Oxygen Therapeutics and Multifunctional Resuscitation Fluidsâ€”A White Paper. , 2013, , 737-746.		2
231	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
232	Model-based evaluation of the microhemodynamic effects of PEGylated HBOC molecules in the rat brain cortex: a laser speckle imaging study. <i>Biomedical Optics Express</i> , 2020, 11, 4150.	2.9	2
233	Targeted Biologics: The New Frontier for Precision Therapy. <i>Current Medicinal Chemistry</i> , 2022, 29, 383-384.	2.4	2
234	Ormosil gels doped with engineered catechol 1,2 dioxygenases for chlorocatechol bioremediation. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 297-303.	3.1	1

#	ARTICLE	IF	CITATIONS
235	Proteomics of Meat Products. , 2018, , 297-309.		1
236	ADIFAB fluorescence data used for the quantification of free fatty acids in media at different pH. Data in Brief, 2019, 22, 158-163.	1.0	1
237	Functional properties of immobilized pyridoxal 5â€™-phosphate-dependent enzymes probed by absorption microspectrophotometry. , 2000, , 349-354.		1
238	Engineering the Molecular Shape of PEG-Hemoglobin Adducts for Supraperfusion. , 0, , 345-369.		1
239	Biochemistry of Hemoglobin. , 2013, , 55-73.		1
240	Modulation of Oxygen Affinity in Hemoglobin-based Oxygen Carriers. Regenerative Medicine, Artificial Cells and Nanomedicine, 2021, , 375-403.	0.1	1
241	Human Serine Racemase Weakly Binds the Third PDZ Domain of PSD-95. International Journal of Molecular Sciences, 2022, 23, 4959.	4.1	1
242	Protein structure-function relationship studied by single crystal polarized absorption microspectrophotometry. , 1999, , 3-6.		0
243	Oxygen binding and sensing proteins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1683.	2.3	0
244	EGFR-related miRNAs as potential biomarkers of response to Erlotinib in metastatic NSCLC patients. Annals of Oncology, 2015, 26, vi81.	1.2	0
245	Understanding Water and Its Many Roles in Biological Structure: Ways to Exploit a Resource for Drug Discovery. Methods in Pharmacology and Toxicology, 2015, , 85-110.	0.2	0
246	Special Issue on â€œCofactor-dependent proteins: Evolution, chemical diversity and bio-applicationsâ€. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1071-1072.	2.3	0
247	Editorial: Enzymes Regulating the Homeostasis of Agonists and Antagonists of the N-Methyl D-Aspartate Receptors. Frontiers in Molecular Biosciences, 2019, 6, 37.	3.5	0
248	Monitoring the Tâ€™R transition of human hemoglobin encapsulated in silica gels. FASEB Journal, 2007, 21, A637.	0.5	0
249	The proteomic insight of the Italian dry cured ham manufacturing. , 2012, , 138-140.		0
250	From meat to food: the proteomics assessment. , 2012, , 31-34.		0
251	The role of salt in dry cured ham processing characterized by LC-MS/MS-based proteomics. , 2013, , 274-277.		0
252	Insights on O-acetylserine sulfhydrylase structure, function and biopharmaceutical applications.. , 2017, , 211-222.		0