Tiago M Bandeiras

List of Publications by Year
in descending order

49 papers	1,621 citations	394421 19 h-index	302126 39 g-index
53 all docs	53 docs citations	53 times ranked	2490 citing authors

#	Article	IF	Citations
1	New Insights into Type II NAD(P)H:Quinone Oxidoreductases. Microbiology and Molecular Biology Reviews, 2004, 68, 603-616.	6.6	224
2	Coupling of the pathway of sulphur oxidation to dioxygen reduction: characterization of a novel membrane-bound thiosulphate:quinone oxidoreductase. Molecular Microbiology, 2004, 53, 1147-1160.	2.5	160
3	Dissimilatory Oxidation and Reduction of Elemental Sulfur in Thermophilic Archaea. Journal of Bioenergetics and Biomembranes, 2004, 36, 77-91.	2.3	152
4	Structural and Functional Insights into Sulfide:Quinone Oxidoreductase[,]. Biochemistry, 2009, 48, 5613-5622.	2.5	118
5	PRMT5-Dependent Methylation of the TIP60 Coactivator RUVBL1 Is a Key Regulator of Homologous Recombination. Molecular Cell, 2017, 65, 900-916.e7.	9.7	106
6	Structural and functional insights into a dodecameric molecular machine â€“ The RuvBL1/RuvBL2 complex. Journal of Structural Biology, 2011, 176, 279-291.	2.8	98
7	BLD10/CEP135 Is a Microtubule-Associated Protein that Controls the Formation of the Flagellum Central Microtubule Pair. Developmental Cell, 2012, 23, 412-424.	7.0	84
8	The RPAP3-Cterminal domain identifies R2TP-like quaternary chaperones. Nature Communications, 2018, 9, 2093.	12.8	59
9	The sulphur oxygenase reductase from Acidianus ambivalens is a multimeric protein containing a low-potential mononuclear non-haem iron centre. Biochemical Journal, 2004, 381, 137-146.	3.7	57
10	RuvbL1 and RuvbL2 enhance aggresome formation and disaggregate amyloid fibrils. EMBO Journal, 2015, 34, 2363-2382.	7.8	47
11	Midpoint Potentials of Hemesaanda3in the Quinol Oxidase fromAcidianus ambivalensare Inverted. Journal of the American Chemical Society, 2005, 127, 13561-13566.	13.7	38
12	The AAA+ proteins Pontin and Reptin enter adult age: from understanding their basic biology to the identification of selective inhibitors. Frontiers in Molecular Biosciences, 2015, 2, 17.	3.5	37
13	Respiratory Chains from Aerobic Thermophilic Prokaryotes. Journal of Bioenergetics and Biomembranes, 2004, 36, 93-105.	2.3	35
14	Structure of wild-type Plk-1 kinase domain in complex with a selective DARPin. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 339-353.	2.5	34
15	A new type-II NADH dehydrogenase from the archaeon Acidianus ambivalens: characterization and in vitro reconstitution of the respiratory chain. Journal of Bioenergetics and Biomembranes, 2001, 33, 1-8.	2.3	32
16	Structure of Escherichia coli Flavodiiron Nitric Oxide Reductase. Journal of Molecular Biology, 2016, 428, 4686-4707.	4.2	30
17	Acidianus ambivalenstype-II NADH dehydrogenase: genetic characterisation and identification of the flavin moiety as FMN. FEBS Letters, 2002, 531, 273-277.	2.8	27
18	Production of highâ€quality SARSâ€CoVâ€2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. Biotechnology and Bioengineering, 2021, 118, 2202-2219.	3.3	27

#	Article	IF	Citations
19	The cytochrome ba complex from the thermoacidophilic crenarchaeote Acidianus ambivalens is an analog of bc1 complexes. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 37-45.	1.0	24
20	The respiratory chain of the thermophilic archaeon Sulfolobus metallicus: studies on the type-II NADH dehydrogenase. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1557, 13-19.	1.0	20
21	Roles of Escherichia coli ZinT in cobalt, mercury and cadmium resistance and structural insights into the metal binding mechanism. Metallomics, 2016, 8, 327-336.	2.4	20
22	Active site structure of the aa3 quinol oxidase of Acidianus ambivalens. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 306-320.	1.0	17
23	X-ray structure of full-length human RuvB-Like 2 â€“ mechanistic insights into coupling between ATP binding and mechanical action. Scientific Reports, 2018, 8, 13726.	3.3	17
24	Thermofluor-based optimization strategy for the stabilization and crystallization of Campylobacter jejuni desulforubrerythrin. Protein Expression and Purification, 2012, 81, 193-200.	1.3	15
25	A Clinically Relevant Variant of the Human Hydrogen Sulfide-Synthesizing Enzyme CystathionineÎ²-Synthase: Increased CO Reactivity as a Novel Molecular Mechanism of Pathogenicity?. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	4.0	15
26	Optimization of TEAD P-Site Binding Fragment Hit into In Vivo Active Lead MSC-4106. Journal of Medicinal Chemistry, 2022, 65, 9206-9229.	6.4	15
27	NOPCHAP1 is a PAQosome cofactor that helps loading NOP58 on RUVBL1/2 during box C/D snoRNP biogenesis. Nucleic Acids Research, 2021, 49, 1094-1113.	14.5	14
28	Screening Pyridine Derivatives against Human Hydrogen Sulfide-synthesizing Enzymes by Orthogonal Methods. Scientific Reports, 2019, 9, 684.	3.3	11
29	Crystallisation and preliminary structure determination of a NADH: quinone oxidoreductase from the extremophile Acidianus ambivalens. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 842-845.	2.3	10
30	Cloning, expression, purification, crystallization and preliminary X-ray analysis of the human RuvBL1â€“RuvBL2 complex. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 840-846.	0.7	8
31	A Rieske ferredoxin typifying a subtype within Rieske proteins: spectroscopic, biochemical and stability studies. FEBS Letters, 2005, 579, 1020-1026.	2.8	7
32	Cloning, purification, crystallization and X-ray crystallographic analysis ofIgnicoccus hospitalisneelaredoxin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 605-607.	0.7	7
33	Structure and coordination of CuB in the Acidianus ambivalens aa 3 quinol oxidase hemeâ€“copper center. Journal of Biological Inorganic Chemistry, 2005, 10, 625-635.	2.6	6
34	Superoxide reductase fromGiardia intestinalis: structural characterization of the first SOR from a eukaryotic organism shows an iron centre that is highly sensitive to photoreduction. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 2236-2247.	2.5	6
35	Structural and biophysical insights into the mode of covalent binding of rationally designed potent BMX inhibitors. RSC Chemical Biology, 2020, 1, 251-262.	4.1	6
36	Development of Dl1.72, a Novel Anti-DLL1 Antibody with Anti-Tumor Efficacy against Estrogen Receptor-Positive Breast Cancer. Cancers, 2021, 13, 4074.	3.7	6

#	Article	IF	Citations
37	Development of antibodies against the notch ligand Delta-Like-1 by phage display with activity against breast cancer cells. New Biotechnology, 2021, 64, 17-26.	4.4	6
38	Insights into the Structures of Superoxide Reductases from the Symbionts Ignicoccus hospitalis and Nanoarchaeum equitans. Biochemistry, 2018, 57, 5271-5281.	2.5	5
39	SAD phasing towards structure determination of a thermostable Rieske ferredoxin with a novel stabilizing disulfide bridge. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 555-558.	0.7	4
40	Superoxide reductase fromNanoarchaeum equitans: expression, purification, crystallization and preliminary X-ray crystallographic analysis. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 591-595.	0.7	3
41	Anti-apolipoprotein A-I (ApoA-I) antibodies have different target epitopes in different clinical conditions. Atherosclerosis, 2017, 263, e216-e217.	0.8	3
42	Purification, crystallization and X-ray crystallographic analysis ofArchaeoglobus fulgidusneelaredoxin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 316-319.	0.7	2
43	Human carboxylesterase 2: Studies on the role of glycosylation for enzymatic activity. Biochemistry and Biophysics Reports, 2016, 5, 105-110.	1.3	2
44	Production and characterization of a novel Delta-like 1 functional unit as a tool for Notch pathway activation and generation of a specific antibody. Protein Expression and Purification, 2018, 146, 8-16.	1.3	2
45	A unique glyceryl diglycoside identified in the thermophilic, radiation-resistant bacterium Rubrobacter xylanophilus. Extremophiles, 2015, 19, 373-382.	2.3	1
46	Structure of NADH: quinone oxidoreductase fromAcidianus ambivalens: electron entry point of aerobic respiratory chain. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c226-c226.	0.3	0
47	Structure of wild type Plk1 kinase domain in complex with a selective DARPin. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C272-C272.	0.3	0
48	Structural insights into a dodecameric machine â€“ the RuvBL1/RuvBL2 complex. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C267-C267.	0.3	0
49	RuvBL1 and RuvBL2 and Their Complex Proteins Implicated in Many Cellular Pathways. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 55-63.	0.5	0