

Helena Santos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6248120/publications.pdf>

Version: 2024-02-01

241
papers

9,792
citations

26630

56
h-index

62596

80
g-index

247
all docs

247
docs citations

247
times ranked

7824
citing authors

#	ARTICLE	IF	CITATIONS
1	Compatible solutes of organisms that live in hot saline environments. <i>Environmental Microbiology</i> , 2002, 4, 501-509.	3.8	250
2	Comparative analysis of Embden-Meyerhof and Entner-Doudoroff glycolytic pathways in hyperthermophilic archaea and the bacterium <i>Thermotoga</i> . <i>Archives of Microbiology</i> , 1997, 167, 217-232.	2.2	207
3	Comparative study of the thermostabilizing properties of mannosylglycerate and other compatible solutes on model enzymes. <i>Extremophiles</i> , 2002, 6, 209-216.	2.3	178
4	Model for carbon metabolism in biological phosphorus removal processes based on in vivo ¹³ C-NMR labelling experiments. <i>Water Research</i> , 1996, 30, 2128-2138.	11.3	170
5	NMR studies of electron transfer mechanisms in a protein with interacting redox centres: <i>Desulfovibrio gigas</i> cytochrome c3. <i>FEBS Journal</i> , 1984, 141, 283-296.	0.2	156
6	Yeast Life-Span Extension by Calorie Restriction Is Independent of NAD Fluctuation. <i>Science</i> , 2003, 302, 2124-2126.	12.6	152
7	Effect of extracellular acidification on the activity of plasma membrane ATPase and on the cytosolic and vacuolar pH of <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1325, 63-70.	2.6	150
8	Rubredoxin Oxidase, a New Flavo-Hemo-Protein, Is the Site of Oxygen Reduction to Water by the "Strict Anaerobe" <i>Desulfovibrio gigas</i> . <i>Biochemical and Biophysical Research Communications</i> , 1993, 193, 100-105.	2.1	145
9	Methods for detection and visualization of intracellular polymers stored by polyphosphate-accumulating microorganisms. <i>Journal of Microbiological Methods</i> , 2002, 51, 1-18.	1.6	141
10	Overview on sugar metabolism and its control in "The input from in vivo NMR. <i>FEMS Microbiology Reviews</i> , 2005, 29, 531-554.	8.6	139
11	From physiology to systems metabolic engineering for the production of biochemicals by lactic acid bacteria. <i>Biotechnology Advances</i> , 2013, 31, 764-788.	11.7	139
12	Is the Glycolytic Flux in <i>Lactococcus lactis</i> Primarily Controlled by the Redox Charge?. <i>Journal of Biological Chemistry</i> , 2002, 277, 28088-28098.	3.4	124
13	Relationship between Glycolysis and Exopolysaccharide Biosynthesis in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 33-41.	3.1	121
14	Archaeal Binding Protein-Dependent ABC Transporter: Molecular and Biochemical Analysis of the Trehalose/Maltose Transport System of the Hyperthermophilic Archaeon <i>Thermococcus litoralis</i> . <i>Journal of Bacteriology</i> , 1998, 180, 680-689.	2.2	116
15	High-affinity maltose/trehalose transport system in the hyperthermophilic archaeon <i>Thermococcus litoralis</i> . <i>Journal of Bacteriology</i> , 1996, 178, 4773-4777.	2.2	109
16	In vivo nuclear magnetic resonance studies of glycolytic kinetics in <i>Lactococcus lactis</i> . , 1999, 64, 200-212.		107
17	Thermostabilization of Proteins by Diglycerol Phosphate, a New Compatible Solute from the Hyperthermophile <i>Archaeoglobus fulgidus</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 1974-1979.	3.1	106
18	Effects of Temperature, Salinity, and Medium Composition on Compatible Solute Accumulation by <i>Thermococcus</i> spp. <i>Applied and Environmental Microbiology</i> , 1998, 64, 3591-3598.	3.1	102

#	ARTICLE	IF	CITATIONS
19	Metabolic characterization of <i>Lactococcus lactis</i> deficient in lactate dehydrogenase using in vivo ¹³ C-NMR. <i>FEBS Journal</i> , 2000, 267, 3859-3868.	0.2	100
20	The urgent need for microbiology literacy in society. <i>Environmental Microbiology</i> , 2019, 21, 1513-1528.	3.8	99
21	Pathway and regulation of erythritol formation in <i>Leuconostoc oenos</i> . <i>Journal of Bacteriology</i> , 1993, 175, 3941-3948.	2.2	97
22	New compatible solutes related to Di-myo-inositol-phosphate in members of the order Thermotogales. <i>Journal of Bacteriology</i> , 1996, 178, 5644-5651.	2.2	96
23	Stress response by solute accumulation in archaea. <i>Current Opinion in Microbiology</i> , 2005, 8, 729-736.	5.1	92
24	Combined effect of the growth temperature and salinity of the medium on the accumulation of compatible solutes by <i>Rhodothermus marinus</i> and <i>Rhodothermus obamensis</i> . <i>Extremophiles</i> , 1999, 3, 163-172.	2.3	91
25	Nutraceutical production by propionibacteria. <i>Dairy Science and Technology</i> , 2002, 82, 103-112.	0.9	90
26	Color Stabilization of Malvidin 3-Glucoside: Self-Aggregation of the Flavylum Cation and Copigmentation with the Z-Chalcone Form. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3578-3585.	2.6	89
27	Engineering <i>Lactococcus lactis</i> for Production of Mannitol: High Yields from Food-Grade Strains Deficient in Lactate Dehydrogenase and the Mannitol Transport System. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1466-1474.	3.1	89
28	Aerobic Metabolism of Carbon Reserves by the "Obligate Anaerobe" <i>Desulfovibrio gigas</i> . <i>Biochemical and Biophysical Research Communications</i> , 1993, 195, 551-557.	2.1	88
29	Purification and characterization of an NADH-rubredoxin oxidoreductase involved in the utilization of oxygen by <i>Desulfovibrio gigas</i> . <i>FEBS Journal</i> , 1993, 216, 443-448.	0.2	87
30	Photochromism of the Synthetic 4',7-Dihydroxyflavylum Chloride. <i>Journal of the American Chemical Society</i> , 1994, 116, 1249-1254.	13.7	87
31	Biochemical and genetic characterization of the pathways for trehalose metabolism in <i>Propionibacterium freudenreichii</i> , and their role in stress response. <i>Microbiology (United Kingdom)</i> , 2007, 153, 270-280.	1.8	84
32	Effect of Different NADH Oxidase Levels on Glucose Metabolism by <i>Lactococcus lactis</i> : Kinetics of Intracellular Metabolite Pools Determined by In Vivo Nuclear Magnetic Resonance. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6332-6342.	3.1	82
33	The intricate side of systems biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9452-9457.	7.1	81
34	Maltose Metabolism in the Hyperthermophilic Archaeon <i>Thermococcus litoralis</i> : Purification and Characterization of Key Enzymes. <i>Journal of Bacteriology</i> , 1999, 181, 3358-3367.	2.2	80
35	Elucidation of the multiple equilibria of malvin in aqueous solution by One- and two-dimensional NMR. <i>Phytochemistry</i> , 1993, 33, 1227-1232.	2.9	77
36	Role of N ¹³ -Acetyldiaminobutyrate as an Enzyme Stabilizer and an Intermediate in the Biosynthesis of Hydroxyectoine. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3774-3779.	3.1	75

#	ARTICLE	IF	CITATIONS
37	Characterization of the individual glucose uptake systems of <i>Lactococcus lactis</i> : mannose-PTS, cellobiose-PTS and the novel GlcU permease. <i>Molecular Microbiology</i> , 2009, 71, 795-806.	2.5	74
38	Are Compatible Solutes Compatible with Biological Treatment of Saline Wastewater? Batch and Continuous Studies Using Submerged Anaerobic Membrane Bioreactors (SAMBRs). <i>Environmental Science & Technology</i> , 2010, 44, 7437-7442.	10.0	73
39	Assignment of the redox potentials to the four haems in <i>Desulfovibrio vulgaris</i> cytochrome c ₃ by 2D-NMR. <i>FEBS Letters</i> , 1992, 314, 155-158.	2.8	72
40	<i>Salinisphaera shabanensis</i> gen. nov., sp. nov., a novel, moderately halophilic bacterium from the brine-seawater interface of the Shaban Deep, Red Sea. <i>Extremophiles</i> , 2003, 7, 29-34.	2.3	72
41	Pseudovitamin is the corrinoid produced by <i>Lactobacillus reuteri</i> CRL1098 under anaerobic conditions. <i>FEBS Letters</i> , 2007, 581, 4865-4870.	2.8	72
42	Structural basis for the network of functional cooperativities in cytochrome c ₃ from <i>Desulfovibrio gigas</i> : solution structures of the oxidised and reduced states. <i>Journal of Molecular Biology</i> , 2000, 298, 61-82.	4.2	69
43	¹³ C Nuclear Magnetic Resonance Studies of Citrate and Glucose Cometabolism by <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 1994, 60, 1739-1748.	3.1	69
44	Uncoupling effect of nitrite during denitrification by <i>Pseudomonas fluorescens</i> : An in vivo ³¹ P-NMR study. <i>Biotechnology and Bioengineering</i> , 1996, 52, 176-182.	3.3	68
45	Pathway for the Synthesis of Mannosylglycerate in the Hyperthermophilic Archaeon <i>Pyrococcus horikoshii</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 43580-43588.	3.4	67
46	Contribution of Citrate Metabolism to the Growth of <i>Lactococcus lactis</i> CRL264 at Low pH. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1136-1144.	3.1	67
47	The 9-anthroate chromophore as a fluorescent probe for water. <i>The Journal of Physical Chemistry</i> , 1989, 93, 336-343.	2.9	65
48	Identification of novel esterase-active enzymes from hot environments by use of the host bacterium <i>Thermus thermophilus</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 275.	3.5	65
49	Application of ¹³ C Nuclear Magnetic Resonance To Elucidate the Unexpected Biosynthesis of Erythritol by <i>Leuconostoc oenos</i> . <i>Applied and Environmental Microbiology</i> , 1992, 58, 2271-2279.	3.1	65
50	Automated smoother for the numerical decoupling of dynamics models. <i>BMC Bioinformatics</i> , 2007, 8, 305.	2.6	64
51	Response of a strict anaerobe to oxygen: survival strategies in <i>Desulfovibrio gigas</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 1513-1522.	1.8	63
52	Biosynthesis of Mannosylglycerate in the Thermophilic Bacterium <i>Rhodothermus marinus</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 35407-35414.	3.4	62
53	Solution structure of plantaricin C, a novel lantibiotic. <i>FEBS Journal</i> , 1999, 264, 833-839.	0.2	61
54	[26] Organic solutes from thermophiles and hyperthermophiles. <i>Methods in Enzymology</i> , 2001, 334, 302-315.	1.0	61

#	ARTICLE	IF	CITATIONS
55	Protein Stabilization by Osmolytes from Hyperthermophiles. <i>Journal of Biological Chemistry</i> , 2004, 279, 48680-48691.	3.4	61
56	High Yields of 2,3-Butanediol and Mannitol in <i>Lactococcus lactis</i> through Engineering of NAD+Cofactor Recycling. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6826-6835.	3.1	59
57	Uniport of anionic citrate and proton consumption in citrate metabolism generates a proton motive force in <i>Leuconostoc oenos</i> . <i>Journal of Bacteriology</i> , 1994, 176, 4899-4905.	2.2	58
58	Solution structure of <i>Desulfovibrio vulgaris</i> (Hildenborough) ferrocyclochrome c 3 : structural basis for functional cooperativity 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 281, 719-739.	4.2	58
59	Towards Enhanced Galactose Utilization by <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 7048-7060.	3.1	57
60	<i>Leuconostoc ficulneum</i> sp. nov., a novel lactic acid bacterium isolated from a ripe fig, and reclassification of <i>Lactobacillus fructosus</i> as <i>Leuconostoc fructosum</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 647-655.	1.7	57
61	NMR Redox Studies of <i>Desulfovibrio vulgaris</i> Cytochrome c3. <i>Electron Transfer Mechanisms. FEBS Journal</i> , 1982, 127, 151-155.	0.2	56
62	Enhancement of trehalose production in dairy propionibacteria through manipulation of environmental conditions. <i>International Journal of Food Microbiology</i> , 2004, 91, 195-204.	4.7	53
63	Regulation of glycolysis in <i>Lactococcus lactis</i> : an unfinished systems biological case study. <i>IET Systems Biology</i> , 2006, 153, 286.	2.0	53
64	Thermodynamics of all-or-none water channel closure in red cells. <i>Journal of Membrane Biology</i> , 1984, 81, 105-111.	2.1	52
65	Trehalose, a temperature- and salt-induced solute with implications in pathobiology of <i>Acinetobacter baumannii</i> . <i>Environmental Microbiology</i> , 2017, 19, 5088-5099.	3.8	52
66	Different Physiological Roles of ATP- and PP _i -Dependent Phosphofructokinase Isoenzymes in the Methylophilic Actinomycete <i>Amycolatopsis methanolica</i> . <i>Journal of Bacteriology</i> , 2001, 183, 7231-7240.	2.2	51
67	Compatible Solutes of the Hyperthermophile <i>Palaeococcus ferrophilus</i> : Osmoadaptation and Thermoadaptation in the Order Thermococcales. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8091-8098.	3.1	50
68	Engineering Trehalose Synthesis in <i>Lactococcus lactis</i> for Improved Stress Tolerance. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4189-4199.	3.1	50
69	Metabolic Pathway for Propionate Utilization by Phosphorus-Accumulating Organisms in Activated Sludge: ¹³ C Labeling and In Vivo Nuclear Magnetic Resonance. <i>Applied and Environmental Microbiology</i> , 2003, 69, 241-251.	3.1	49
70	Specialized Roles of the Two Pathways for the Synthesis of Mannosylglycerate in Osmoadaptation and Thermoadaptation of <i>Rhodothermus marinus</i> *. <i>Journal of Biological Chemistry</i> , 2004, 279, 9892-9898.	3.4	49
71	Diversity of bacteria and archaea from two shallow marine hydrothermal vents from Vulcano Island. <i>Extremophiles</i> , 2017, 21, 733-742.	2.3	48
72	Acetate Utilization in <i>Lactococcus lactis</i> Deficient in Lactate Dehydrogenase: a Rescue Pathway for Maintaining Redox Balance. <i>Journal of Bacteriology</i> , 1999, 181, 5521-5526.	2.2	48

#	ARTICLE	IF	CITATIONS
73	The use of the n-(9-anthroyloxy) stearic acid to probe the water content of sodium dodecyl sulfate, dodecyltrimethylammonium chloride, and triton X-100 micelles. <i>Journal of Colloid and Interface Science</i> , 1991, 141, 439-453.	9.4	47
74	Design of new enzyme stabilizers inspired by glycosides of hyperthermophilic microorganisms. <i>Carbohydrate Research</i> , 2008, 343, 3025-3033.	2.3	47
75	Effect of pH on Axial Ligand Coordination of Cytochrome c from <i>Methylophilus methylotrophus</i> and Horse Heart Cytochrome c. <i>Biochemistry</i> , 2000, 39, 8234-8242.	2.5	46
76	Different glycolytic pathways for glucose and fructose in the halophilic archaeon <i>Halococcus saccharolyticus</i> . <i>Archives of Microbiology</i> , 2001, 175, 52-61.	2.2	46
77	Cultures of rat astrocytes challenged with a steady supply of glutamate: New model to study flux distribution in the glutamate-glutamine cycle. <i>Glia</i> , 2005, 51, 286-296.	4.9	46
78	Annual changes in the concentration of minerals and organic compounds of <i>Quercus suber</i> leaves. <i>Physiologia Plantarum</i> , 2006, 127, 100-110.	5.2	46
79	¹³ C and proton NMR studies of horse cytochrome c. Systematic assignment of methyl and methine resonances in both oxidation states. <i>FEBS Journal</i> , 1992, 206, 721-728.	0.2	45
80	Pathways for utilization of carbon reserves in <i>Desulfovibrio gigas</i> under fermentative and respiratory conditions. <i>Journal of Bacteriology</i> , 1997, 179, 3972-3980.	2.2	45
81	Glucose Metabolism and Kinetics of Phosphorus Removal by the Fermentative Bacterium <i>Microlunatus phosphovorus</i> . <i>Applied and Environmental Microbiology</i> , 1999, 65, 3920-3928.	3.1	45
82	Protein stabilization by compatible solutes. <i>FEBS Journal</i> , 2003, 270, 4606-4614.	0.2	44
83	Lysine-2,3-Aminomutase and ¹² -Lysine Acetyltransferase Genes of Methanogenic Archaea Are Salt Induced and Are Essential for the Biosynthesis of N ⁶ -Acetyl- ¹² -Lysine and Growth at High Salinity. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6047-6055.	3.1	43
84	Inhibition of formation of ¹²⁷ -synuclein inclusions by mannosylglycerate in a yeast model of Parkinson's disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4065-4072.	2.4	43
85	Structural basis for phosphatidylinositol-phosphate biosynthesis. <i>Nature Communications</i> , 2015, 6, 8505.	12.8	43
86	Carbon Flux Analysis by ¹³ C Nuclear Magnetic Resonance To Determine the Effect of CO ₂ on Anaerobic Succinate Production by <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 3015-3024.	3.1	42
87	Comparison of glucose fermentation by suspended and gel-entrapped yeast cells: An in vivo nuclear magnetic resonance study. <i>Biotechnology and Bioengineering</i> , 1993, 41, 647-653.	3.3	41
88	Bifunctional CTP:Inositol-1-Phosphate Cytidylyltransferase/CDP-Inositol:Inositol-1-Phosphate Transferase, the Key Enzyme for Di- myo -Inositol-Phosphate Synthesis in Several (Hyper)thermophiles. <i>Journal of Bacteriology</i> , 2007, 189, 5405-5412.	2.2	41
89	Involvement of a labile axial histidine in coupling electron and proton transfer in <i>Methylophilus methylotrophus</i> cytochrome c". <i>FEBS Journal</i> , 1992, 208, 427-433.	0.2	40
90	Effect of pyruvate kinase overproduction on glucose metabolism of <i>Lactococcus lactis</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 1103-1111.	1.8	40

#	ARTICLE	IF	CITATIONS
91	The Bacterium <i>Thermus thermophilus</i> , Like Hyperthermophilic Archaea, Uses a Two-Step Pathway for the Synthesis of Mannosylglycerate. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3272-3279.	3.1	39
92	Characterization of the Biosynthetic Pathway of Glucosylglycerate in the Archaeon <i>Methanococcoides burtonii</i> . <i>Journal of Bacteriology</i> , 2006, 188, 1022-1030.	2.2	39
93	The lactate dehydrogenases encoded by the <i>ldh</i> and <i>ldhB</i> genes in <i>Lactococcus lactis</i> exhibit distinct regulation and catalytic properties—comparative modeling to probe the molecular basis. <i>FEBS Journal</i> , 2007, 274, 5924-5936.	4.7	39
94	X-ray structure of a CDP-alcohol phosphatidyltransferase membrane enzyme and insights into its catalytic mechanism. <i>Nature Communications</i> , 2014, 5, 4169.	12.8	39
95	Isolation of P590 from <i>Methanosarcina barkeri</i> : Evidence for the presence of sulfite reductase activity. <i>Biochemical and Biophysical Research Communications</i> , 1982, 108, 1002-1009.	2.1	38
96	Ferredoxin from <i>Methanosarcina barkeri</i> : Evidence for the Presence of a Three-Iron Center. <i>FEBS Journal</i> , 1982, 126, 95-98.	0.2	38
97	¹³ C and proton NMR studies of horse cytochrome c. <i>FEBS Letters</i> , 1986, 194, 73-77.	2.8	38
98	Glucose fermentation to acetate and alanine in resting cell suspensions of <i>Pyrococcus furiosus</i> : Proposal of a novel glycolytic pathway based on ¹³ C labelling data and enzyme activities. <i>FEMS Microbiology Letters</i> , 1994, 121, 107-114.	1.8	38
99	Distribution of Genes for Synthesis of Trehalose and Mannosylglycerate in <i>Thermus</i> spp. and Direct Correlation of These Genes with Halotolerance. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2460-2466.	3.1	38
100	Organic solutes in <i>Rubrobacter xylanophilus</i> : the first example of di-myoinositol-phosphate in a thermophile. <i>Extremophiles</i> , 2007, 11, 667-673.	2.3	38
101	Engineering <i>Corynebacterium glutamicum</i> for the production of 2,3-butanediol. <i>Microbial Cell Factories</i> , 2015, 14, 171.	4.0	38
102	Catabolism of mannitol in <i>Lactococcus lactis</i> MG1363 and a mutant defective in lactate dehydrogenase. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3467-3476.	1.8	37
103	Nitrate and Ammonium Assimilation by Roots of Maize (<i>Zea mays</i> L.) Seedlings as Investigated by ¹⁵ N-NMR. <i>Journal of Experimental Botany</i> , 1992, 43, 633-639.	4.8	36
104	A Gene from the Mesophilic Bacterium <i>Dehalococcoides ethenogenes</i> Encodes a Novel Mannosylglycerate Synthase. <i>Journal of Bacteriology</i> , 2004, 186, 4075-4084.	2.2	36
105	Intramolecular Fluorescence Quenching of Tyrosine by the Peptide α -Carbonyl Group Revisited. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2155-2166.	2.5	36
106	The High-Affinity Maltose/Trehalose ABC Transporter in the Extremely Thermophilic Bacterium <i>Thermus thermophilus</i> HB27 Also Recognizes Sucrose and Palatinose. <i>Journal of Bacteriology</i> , 2005, 187, 1210-1218.	2.2	36
107	<i>Thermococcus kodakarensis</i> Mutants Deficient in Di-myoinositol Phosphate Use Aspartate To Cope with Heat Stress. <i>Journal of Bacteriology</i> , 2010, 192, 191-197.	2.2	36
108	The metabolic pH response in <i>Lactococcus lactis</i> : An integrative experimental and modelling approach. <i>Computational Biology and Chemistry</i> , 2009, 33, 71-83.	2.3	35

#	ARTICLE	IF	CITATIONS
109	Effects of ethanol on <i>Saccharomyces cerevisiae</i> as monitored by in vivo ³¹ P and ¹³ C nuclear magnetic resonance. <i>Archives of Microbiology</i> , 1990, 153, 384-391.	2.2	34
110	Proteins containing the factor F430 from <i>methanosarcina barkeri</i> and <i>methanobacterium thermoautotrophicum</i> . <i>BBA - Proteins and Proteomics</i> , 1983, 742, 84-90.	2.1	33
111	The Fate of Acetic Acid during Glucose Co-Metabolism by the Spoilage Yeast <i>Zygosaccharomyces bailii</i> . <i>PLoS ONE</i> , 2012, 7, e52402.	2.5	33
112	A variant of the hyperthermophile <i>Archaeoglobus fulgidus</i> adapted to grow at high salinity. <i>FEMS Microbiology Letters</i> , 2003, 218, 239-244.	1.8	32
113	Metabolic and Transcriptional Analysis of Acid Stress in <i>Lactococcus lactis</i> , with a Focus on the Kinetics of Lactic Acid Pools. <i>PLoS ONE</i> , 2013, 8, e68470.	2.5	32
114	Proteolytic activity in infected and noninfected insect cells: Degradation of HIV-1 Pr55gag particles. <i>Biotechnology and Bioengineering</i> , 1999, 65, 133-143.	3.3	31
115	NMR studies on energy metabolism of immobilized primary neurons and astrocytes during hypoxia, ischemia and hypoglycemia. <i>NMR in Biomedicine</i> , 2000, 13, 438-448.	2.8	31
116	Characterization and NMR studies of a novel cytochrome c isolated from <i>Methylophilus methylotrophus</i> which shows a redox-linked change of spin state. <i>BBA - Proteins and Proteomics</i> , 1988, 954, 277-286.	2.1	30
117	Excited state proton transfer in synthetic flavylum salts: 4-methyl-7-hydroxyflavylum and 4,7-dihydroxyflavylum Example of a four-level molecular device to invert the population of the excited state. <i>New Journal of Chemistry</i> , 1998, 22, 1093-1098.	2.8	30
118	Natural sweetening of food products by engineering <i>Lactococcus lactis</i> for glucose production. <i>Metabolic Engineering</i> , 2006, 8, 456-464.	7.0	30
119	Protein Stabilisation by Compatible Solutes: Effect of Mannosylglycerate on Unfolding Thermodynamics and Activity of Ribonuclease A. <i>ChemBioChem</i> , 2003, 4, 734-741.	2.6	29
120	The Physiological Role, Biosynthesis, and Mode of Action of Compatible Solutes from (Hyper)Thermophiles. , 0, , 86-103.		29
121	Proton NMR studies of horse ferricytochrome c Completion of the assignment of the well resolved hyperfine shifted resonances. <i>FEBS Letters</i> , 1987, 226, 179-185.	2.8	28
122	Demonstration of a Novel Glycolytic Pathway in the Hyperthermophilic Archaeon <i>Thermococcus zilligii</i> by ¹³ C-Labeling Experiments and Nuclear Magnetic Resonance Analysis. <i>Journal of Bacteriology</i> , 2000, 182, 4632-4636.	2.2	28
123	Identification of glucoselysine-6-phosphate deglycase, an enzyme involved in the metabolism of the fructation product glucoselysine. <i>Biochemical Journal</i> , 2005, 392, 263-269.	3.7	28
124	Salt adaptation in <i>Acinetobacter baylyi</i> : identification and characterization of a secondary glycine betaine transporter. <i>Archives of Microbiology</i> , 2011, 193, 723-730.	2.2	28
125	Evolution of the biosynthesis of diâ€‹inositol phosphate, a marker of adaptation to hot marine environments. <i>Environmental Microbiology</i> , 2012, 14, 691-701.	3.8	28
126	Mannitol, a compatible solute synthesized by <i>Acinetobacter baylyi</i> in a twoâ€‹step pathway including a saltâ€‹induced and saltâ€‹dependent mannitolâ€‹phosphate dehydrogenase. <i>Environmental Microbiology</i> , 2013, 15, 2187-2197.	3.8	28

#	ARTICLE	IF	CITATIONS
127	Involvement of free and conjugated polyamines and free amino acids in the adventitious rooting of micropropagated cork oak and grapevine shoots. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 1071-1080.	5.8	27
128	Overview on sugar metabolism and its control in <i>Lactococcus lactis</i> ” The input from in vivo NMR. <i>FEMS Microbiology Reviews</i> , 2005, 29, 531-554.	8.6	27
129	Tracking Local Conformational Changes of Ribonuclease A Using Picosecond Time-Resolved Fluorescence of the Six Tyrosine Residues. <i>Biophysical Journal</i> , 2007, 92, 4401-4414.	0.5	27
130	Elucidation of metabolic pathways in glycogen-accumulating organisms with <i>in vivo</i> ¹³ C nuclear magnetic resonance. <i>Environmental Microbiology</i> , 2007, 9, 2694-2706.	3.8	27
131	Fluorescence Lifetimes of Tyrosine Residues in Cytochrome c ² as Local Probes to Study Protein Unfolding. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4466-4474.	2.6	27
132	Occurrence of 1-Glycerol-1-myoinositol Phosphate in Hyperthermophiles. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6169-6173.	3.1	26
133	Pitfalls in assigning heme axial coordination by EPR. <i>FEBS Letters</i> , 1993, 317, 233-236.	2.8	25
134	Biochemical basis for glucose-induced inhibition of malolactic fermentation in <i>Leuconostoc oenos</i> . <i>Journal of Bacteriology</i> , 1997, 179, 5347-5354.	2.2	25
135	Mannosylglycerate and Di-myoinositol Phosphate Have Interchangeable Roles during Adaptation of <i>Pyrococcus furiosus</i> to Heat Stress. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4226-4233.	3.1	25
136	1-d-Mannopyranosyl-(1'2)-1-d-glucopyranosyl-(1'2)-glycerate in the thermophilic bacterium <i>Petrogama mitherma</i> structure, cellular content and function. <i>FEBS Journal</i> , 2007, 274, 3120-3127.	4.7	24
137	Construction of a branched chain at C-3 of a hexopyranoside. Synthesis of miharamycin sugar moiety analogs. <i>Carbohydrate Research</i> , 2000, 325, 1-15.	2.3	22
138	Metabolism of lactic acid bacteria studied by nuclear magnetic resonance. <i>Antonie Van Leeuwenhoek</i> , 2002, 82, 249-261.	1.7	22
139	The 1-Phosphoglucomutase of <i>Lactococcus lactis</i> Is Unrelated to the 1-Phosphohexomutase Superfamily and Is Encoded by the Essential Gene <i>pgmH</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 36864-36873.	3.4	22
140	Relationship between Protein Stabilization and Protein Rigidification Induced by Mannosylglycerate. <i>Journal of Molecular Biology</i> , 2009, 394, 237-250.	4.2	22
141	Mannosylglycerate: structural analysis of biosynthesis and evolutionary history. <i>Extremophiles</i> , 2014, 18, 835-852.	2.3	22
142	DAS28, CDAI and SDAI cut-offs do not translate the same information: results from the Rheumatic Diseases Portuguese Register Reuma.pt. <i>Rheumatology</i> , 2015, 54, 286-291.	1.9	22
143	Potential applications of stress solutes from extremophiles in protein folding diseases and healthcare. <i>Extremophiles</i> , 2016, 20, 251-259.	2.3	22
144	A highly thermostable trehalase from the thermophilic bacterium <i>Rhodothermus marinus</i> . <i>Extremophiles</i> , 2007, 11, 115-122.	2.3	21

#	ARTICLE	IF	CITATIONS
145	Mannitol-1-phosphate dehydrogenases/phosphatases: a family of novel bifunctional enzymes for bacterial adaptation to osmotic stress. <i>Environmental Microbiology</i> , 2015, 17, 711-719.	3.8	21
146	A New Pathway for Mannitol Metabolism in Yeasts Suggests a Link to the Evolution of Alcoholic Fermentation. <i>Frontiers in Microbiology</i> , 2019, 10, 2510.	3.5	21
147	Characterization of the haem environment in <i>Methylophilus methylotrophus</i> ferricytochrome c" by 1H-NMR. <i>FEBS Journal</i> , 1993, 215, 817-824.	0.2	20
148	[11 Two-dimensional nuclear magnetic resonance of paramagnetic metalloproteins. <i>Methods in Enzymology</i> , 1993, 227, 1-16.	1.0	20
149	Electron-Dense Granules in <i>Desulfovibrio gigas</i> do not Consist of Inorganic Triphosphate but of a Glucose Pentakis(Diphosphate). <i>FEBS Journal</i> , 1996, 242, 327-331.	0.2	20
150	pH Dependence of Structural and Functional Properties of Oxidized Cytochrome c" from <i>Methylophilus methylotrophus</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 24800-24804.	3.4	20
151	NMR structure of <i>Desulfovibrio gigas</i> rubredoxin: a model for studying protein stabilization by compatible solutes. <i>Extremophiles</i> , 2001, 5, 303-311.	2.3	20
152	Unfolding of Ubiquitin Studied by Picosecond Time-Resolved Fluorescence of the Tyrosine Residue. <i>Biophysical Journal</i> , 2004, 87, 2609-2620.	0.5	20
153	Characterization of the improved sensitivity obtained using a flow method for oxygenating and mixing cell suspensions in NMR. <i>Journal of Magnetic Resonance</i> , 1986, 68, 345-349.	0.5	19
154	Immobilization of Primary Astrocytes and Neurons for On-Line Monitoring of Biochemical Processes by NMR. <i>Developmental Neuroscience</i> , 1996, 18, 478-483.	2.0	19
155	Metabolism of 3- ¹³ C-Malate in Primary Cultures of Mouse Astrocytes. <i>Developmental Neuroscience</i> , 2000, 22, 456-462.	2.0	19
156	Biosynthetic Pathways of Inositol and Glycerol Phosphodiester Used by the Hyperthermophile <i>Archaeoglobus fulgidus</i> in Stress Adaptation. <i>Journal of Bacteriology</i> , 2006, 188, 8128-8135.	2.2	19
157	Earliest events in α -synuclein fibrillation probed with the fluorescence of intrinsic tyrosines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 154, 16-23.	3.8	19
158	8 Characterization and Quantification of Compatible Solutes in (Hyper)thermophilic Microorganisms. <i>Methods in Microbiology</i> , 2006, , 173-199.	0.8	18
159	A Unique α -1,2-Mannosyltransferase of <i>Thermotoga maritima</i> That Uses Di- myo-Inositol Phosphate as the Mannosyl Acceptor. <i>Journal of Bacteriology</i> , 2009, 191, 6105-6115.	2.2	18
160	A novel limb in the osmoregulatory network of <i>Methanosarcina mazei</i> : N ^{acetyl} -lysine can be substituted by glutamate and alanine. <i>Environmental Microbiology</i> , 2009, 11, 1056-1065.	3.8	18
161	Complex coordination of multi-scale cellular responses to environmental stress. <i>Molecular BioSystems</i> , 2011, 7, 731-741.	2.9	18
162	[39] In vivo nuclear magnetic resonance in study of physiology of sulfate-reducing bacteria. <i>Methods in Enzymology</i> , 1994, , 543-558.	1.0	17

#	ARTICLE	IF	CITATIONS
163	Di-myo-inositol phosphate and novel UDP-sugars accumulate in the extreme hyperthermophile <i>Pyrulobus fumarii</i> . <i>Extremophiles</i> , 2008, 12, 383-389.	2.3	17
164	Two Alternative Pathways for the Synthesis of the Rare Compatible Solute Mannosylglucosylglycerate in <i>Picrotoga mobilis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1624-1633.	2.2	17
165	Effect of ethanol on the metabolism of primary astrocytes studied by ¹³ C- and ³¹ P-NMR spectroscopy. <i>Journal of Neuroscience Research</i> , 2001, 66, 803-811.	2.9	16
166	Crystal Structure of Archaeoglobus fulgidus CTP:Inositol-1-Phosphate Cytidyltransferase, a Key Enzyme for Di-myo-Inositol-Phosphate Synthesis in (Hyper)Thermophiles. <i>Journal of Bacteriology</i> , 2011, 193, 2177-2185.	2.2	16
167	Pipelines for New Chemicals: a strategy to create new value chains and stimulate innovation-based economic revival in Southern European countries. <i>Environmental Microbiology</i> , 2014, 16, 9-18.	3.8	16
168	Structural and Functional Characterization of Phosphatidylinositol-Phosphate Biosynthesis in Mycobacteria. <i>Journal of Molecular Biology</i> , 2020, 432, 5137-5151.	4.2	16
169	Ligand orientation and haem electronic structure in ferricytochrome c ²⁺ from <i>Methylophilus methylotrophus</i> studied by ¹³ C NMR. <i>European Biophysics Journal</i> , 1996, 25, 19-24.	2.2	15
170	High Yield of <i>Methylophilus methylotrophus</i> Cytochrome c ³ by Coexpression with Cytochrome c Maturation Gene Cluster from <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2000, 20, 444-450.	1.3	15
171	Structural determinants of protein stabilization by solutes.. <i>FEBS Journal</i> , 2005, 272, 999-1011.	4.7	15
172	Use of In Vivo ¹³ C Nuclear Magnetic Resonance Spectroscopy To Elucidate ¹³ C-Arabinose Metabolism in Yeasts. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1845-1855.	3.1	15
173	Subcellular metabolic organization in the context of dynamic energy budget and biochemical systems theories. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3429-3442.	4.0	15
174	Organic solutes in the deepest phylogenetic branches of the Bacteria: identification of β -D-glucosyl- α -D-glucosylglycerate in <i>Persephonella marina</i> . <i>Extremophiles</i> , 2013, 17, 137-146.	2.3	15
175	A novel pathway for the synthesis of inositol phospholipids uses cytidine diphosphate (^{CDP})â€in as donor of the polar head group. <i>Environmental Microbiology</i> , 2015, 17, 2492-2504.	3.8	15
176	Frenchay dysarthria assessment (FDA-2) in Parkinsonâ€™s disease: cross-cultural adaptation and psychometric properties of the European Portuguese version. <i>Journal of Neurology</i> , 2017, 264, 21-31.	3.6	15
177	Real-world Longterm Effectiveness of Tumor Necrosis Factor Inhibitors in Psoriatic Arthritis Patients from the Rheumatic Diseases Portuguese Register. <i>Journal of Rheumatology</i> , 2020, 47, 690-700.	2.0	15
178	Trehaloseâ€phosphateâ€mediated phenotypic change in <i>Acinetobacter baumannii</i> . <i>Environmental Microbiology</i> , 2020, 22, 5156-5166.	3.8	15
179	In vivo ³¹ P-and ¹³ C-NMR studies of ATP synthesis and methane formation by <i>Methanosarcina barkeri</i> . <i>FEBS Journal</i> , 1989, 180, 421-427.	0.2	14
180	In vivo ³¹ P-NMR studies of <i>Desulfovibrio</i> species. Detection of a novel phosphorus-containing compound. <i>FEBS Journal</i> , 1991, 201, 283-287.	0.2	14

#	ARTICLE	IF	CITATIONS
181	High yield of mannosylglycerate production by upshock fermentation and bacterial milking of trehalose-deficient mutant <i>Thermus thermophilus</i> RQ-1. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 1039-1045.	3.6	14
182	Structural Analysis of <i>Thermus thermophilus</i> HB27 Mannosyl-3-phosphoglycerate Synthase Provides Evidence for a Second Catalytic Metal Ion and New Insight into the Retaining Mechanism of Glycosyltransferases. <i>Journal of Biological Chemistry</i> , 2010, 285, 17857-17868.	3.4	14
183	Synthesis of GDP-Mannose and Mannosylglycerate from Labeled Mannose by Genetically Engineered <i>Escherichia coli</i> without Loss of Specific Isotopic Enrichment. <i>Applied and Environmental Microbiology</i> , 2003, 69, 233-240.	3.1	13
184	Thermal Unfolding Kinetics of Ubiquitin in the Microsecond-to-Second Time Range Probed by Tyr-59 Fluorescence. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9912-9919.	2.6	13
185	Organic Compatible Solutes of Prokaryotes that Thrive in Hot Environments: The Importance of Ionic Compounds for Thermostabilization. , 2011, , 497-520.		13
186	Two-dimensional NMR studies of electron transfer in cytochrome c3. <i>Journal of Magnetic Resonance</i> , 1984, 59, 177-180.	0.5	12
187	Structural evidence for a proton transfer pathway coupled with haem reduction of cytochrome c ³ from <i>Methylophilus methylotrophus</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 189-196.	2.6	12
188	²³ Na multiple quantum filtered NMR characterisation of Na ⁺ binding and dynamics in animal cells: a comparative study and effect of Na ⁺ /Li ⁺ competition. <i>European Biophysics Journal</i> , 2013, 42, 503-519.	2.2	12
189	Combined transcriptomics and metabolomics profiling of the heat shock response in the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Extremophiles</i> , 2019, 23, 101-118.	2.3	12
190	A difference method for the reduction of peaks in autocorrelation spectra. <i>Journal of Magnetic Resonance</i> , 1983, 55, 463-467.	0.5	11
191	Solution structure of <i>Methylophilus methylotrophus</i> cytochrome c ³ : insights into the structural basis of haem-ligand detachment 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 308, 353-365.	4.2	11
192	13 C-NMR studies of horse ferrocytochrome c. <i>FEBS Letters</i> , 1985, 184, 240-244.	2.8	10
193	Statistical Inference Methods for Sparse Biological Time Series Data. <i>BMC Systems Biology</i> , 2011, 5, 57.	3.0	10
194	Stereospecificity of <i>Corynebacterium glutamicum</i> 2,3-butanediol dehydrogenase and implications for the stereochemical purity of bioproduced 2,3-butanediol. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10573-10583.	3.6	10
195	Application of ⁵⁹ Co NMR to the investigation of interactions between cobalt sepulchrate and various counterions. <i>Canadian Journal of Chemistry</i> , 1991, 69, 567-569.	1.1	9
196	Determination of the methionine haem ligand conformation in cytochrome c ^H from <i>Methylophilus methylotrophus</i> by two-dimensional 1H NMR. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, S90-S95.	1.9	9
197	Nmr Studies Of Wine Chemistry And Wine Bacteria. <i>Annual Reports on NMR Spectroscopy</i> , 1999, , 179-202.	1.5	9
198	Genetic analysis of the role of the ABC transporter Ota and Otb in glycine betaine transport in <i>Methanosarcina mazei</i> GÅ¶1. <i>Archives of Microbiology</i> , 2009, 191, 291-301.	2.2	9

#	ARTICLE	IF	CITATIONS
199	Three-Dimensional Structure of Mannosyl-3-phosphoglycerate Phosphatase from <i>Thermus thermophilus</i> HB27: A New Member of the Haloalcanoic Acid Dehalogenase Superfamily. <i>Biochemistry</i> , 2011, 50, 9551-9567.	2.5	9
200	Effects of the source of inorganic nitrogen on C and N interaction in maize callus tissue: phosphoenolpyruvate carboxylase activity, cytosolic pH and 15N amino acids. <i>Physiologia Plantarum</i> , 1993, 89, 618-625.	5.2	8
201	Integrated Process for Bioenergy Production and Water Recycling in the Dairy Industry: Selection of <i>Kluyveromyces</i> Strains for Direct Conversion of Concentrated Lactose-Rich Streams into Bioethanol. <i>Microorganisms</i> , 2019, 7, 545.	3.6	8
202	Metabolism of lactic acid bacteria studied by nuclear magnetic resonance. <i>Antonie Van Leeuwenhoek</i> , 2002, 82, 249-61.	1.7	8
203	Cytochrome $c\epsilon^3$ from the obligate methylotroph <i>Methylophilus methylotrophus</i> , an unexpected homolog of sphaeroides heme protein from the phototroph <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1412, 47-55.	1.0	7
204	Glycerol Phosphate Cytidyltransferase Stereospecificity Is Key to Understanding the Distinct Stereochemical Compositions of Glycerophosphoinositol in Bacteria and Archaea. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	7
205	Production of mannosylglycerate in <i>Saccharomyces cerevisiae</i> by metabolic engineering and bioprocess optimization. <i>Microbial Cell Factories</i> , 2018, 17, 178.	4.0	7
206	In vivo nuclear magnetic resonance studies of the metabolism of methanol and pyruvate by <i>Methanosarcina barkeri</i> . <i>FEMS Microbiology Letters</i> , 1990, 87, 361-366.	1.8	6
207	Application of ^{31}P NMR to Monitor Phosphorus Compounds and their Changes During Germination of Legume Seeds. <i>Journal of Experimental Botany</i> , 1990, 41, 79-87.	4.8	6
208	Mannosylglycerate stabilizes staphylococcal nuclease with restriction of slow β -sheet motions. <i>Protein Science</i> , 2012, 21, 1126-1137.	7.6	6
209	Four quartets. Application to two-dimensional NMR. <i>Journal of Magnetic Resonance</i> , 1984, 58, 344-347.	0.5	5
210	An unusual conformation of the methionine haem ligand in cytochrome cL established by two-dimensional ^1H -NMR. <i>FEBS Journal</i> , 1994, 223, 783-789.	0.2	5
211	Crystallization and preliminary X-ray analysis of mannosyl-3-phosphoglycerate synthase from <i>Thermus thermophilus</i> HB27. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1014-1017.	0.7	5
212	Assessment of the Efficacy of Solutes from Extremophiles on Protein Aggregation in Cell Models of Huntington $^{\text{TM}}$ s and Parkinson $^{\text{TM}}$ s Diseases. <i>Neurochemical Research</i> , 2011, 36, 1005-1011.	3.3	5
213	Psychosocial impact of Parkinson's disease-associated dysarthria: Cross-cultural adaptation and validation of the Dysarthria Impact Profile into European Portuguese. <i>Geriatrics and Gerontology International</i> , 2018, 18, 767-774.	1.5	5
214	Solvent effects on the conformation of nucleotides. Part 1. The conformation of $5\alpha^2$ -adenosine monophosphate in water-dimethyl sulphoxide using nuclear Overhauser effects and lanthanide relaxation probes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1983, , 1693-1697.	0.9	4
215	Bacterial abl-like genes: production of the archaeal osmolyte N^{ϵ} -acetyl-L-lysine by homologous overexpression of the yodP ϵ genes in <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 689-697.	3.6	4
216	High-resolution structure of an atypical β -phosphoglucomutase related to eukaryotic phosphomannomutases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2008-2016.	2.5	4

#	ARTICLE	IF	CITATIONS
217	Malate Metabolism by <i>Desulfovibrio gigas</i> and its Link to Sulfate and Fumarate Reduction: Purification of the Malic Enzyme and Detection of NAD(P) ⁺ Transhydrogenase Activity. <i>Anaerobe</i> , 1995, 1, 227-235.	2.1	3
218	Cloning and sequence analysis of the gene encoding <i>Methylophilus methylotrophus</i> cytochrome c ₃ , a unique protein with a perpendicular orientation of the histidiny ligands. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1413, 55-61.	1.0	3
219	Production and crystallization of Γ -phosphoglucomutase from <i>Lactococcus lactis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1113-1115.	0.7	3
220	Crystallization and preliminary X-ray characterization of cytochrome c ₂ from the obligate methylotroph <i>Methylophilus methylotrophus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 580-583.	2.5	2
221	Enhancing the fluorescence of tyr-59 in ubiquitin by blocking proton transfer. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3580.	2.8	2
222	Backbone and side chain 1H, 15N and 13C assignments for a thiol-disulphide oxidoreductase from the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Biomolecular NMR Assignments</i> , 2010, 4, 151-154.	0.8	2
223	Production, crystallization and preliminary X-ray analysis of CTP:inositol-1-phosphate cytidyltransferase from <i>Archaeoglobus fulgidus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1463-1465.	0.7	2
224	Glutamine synthetase 2 is not essential for biosynthesis of compatible solutes in <i>Halobacillus halophilus</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 168.	3.5	2
225	Exploring the Potential of <i>Corynebacterium glutamicum</i> to Produce the Compatible Solute Mannosylglycerate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 748155.	4.1	2
226	NMR and Immobilized Cells. , 2001, , 123-138.		2
227	Compatible Solutes of (Hyper)thermophiles and Their Role in Protein Stabilization. , 2007, , 9-24.		2
228	Metabolism of lactic acid bacteria studied by nuclear magnetic resonance. , 2002, , 249-261.		1
229	Role of Periplasmic Trehalase in Uptake of Trehalose by the Thermophilic Bacterium <i>Rhodothermus marinus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1871-1878.	2.2	1
230	Gluconeotrehalose is the principal organic solute in the psychrotolerant bacterium <i>Carnobacterium</i> strain 17-4. <i>Extremophiles</i> , 2011, 15, 463-472.	2.3	1
231	Crystallization and preliminary X-ray analysis of mannosyl-3-phosphoglycerate phosphatase from <i>Thermus thermophilus</i> HB27. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 390-396.	0.7	1
232	Antônio Xavier and his contribution to the development of Bioinorganic Chemistry. <i>FEBS Letters</i> , 2012, 586, 476-478.	2.8	1
233	A unique glyceryl diglycoside identified in the thermophilic, radiation-resistant bacterium <i>Rubrobacter xylanophilus</i> . <i>Extremophiles</i> , 2015, 19, 373-382.	2.3	1
234	A variant of the hyperthermophile <i>Archaeoglobus fulgidus</i> adapted to grow at high salinity. <i>FEMS Microbiology Letters</i> , 2003, 218, 239-244.	1.8	1

#	ARTICLE	IF	CITATIONS
235	Structural analysis of <i>Thermus thermophilus</i> HB27 mannosyl-3-phosphoglycerate synthase. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s142-s142.	0.3	0
236	International conference on extremophiles 2014. <i>Extremophiles</i> , 2014, 18, 789-790.	2.3	0
237	Structural Basis for Phosphatidylinositol-Phosphate Biosynthesis. <i>Biophysical Journal</i> , 2016, 110, 61a.	0.5	0
238	Structure of a Phosphatidylinositol-Phosphate Synthase from Mycobacteria. <i>Biophysical Journal</i> , 2018, 114, 236a.	0.5	0
239	Membrane proteins involved in bacterial phospholipid biosynthesis as drug targets?. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C397-C397.	0.1	0
240	In vivo nuclear magnetic resonance studies of the metabolism of methanol and pyruvate by <i>Methanosarcina barkeri</i> . <i>FEMS Microbiology Letters</i> , 1990, 87, 361-366.	1.8	0
241	Nodulation in clover roots: Correlation with vacuolar pH. <i>FEMS Microbiology Letters</i> , 1992, 96, 119-123.	1.8	0