

Helena Santos

List of Publications by Year in descending order

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241
papers

9,792
citations

26630

56
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62596

80
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247
all docs

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docs citations

247
times ranked

7824
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Trehaloseâ€œphosphateâ€œmediated phenotypic change in <i>Acinetobacter baumannii</i> . <i>Environmental Microbiology</i> , 2020, 22, 5156-5166.	3.8	15
4	Structural and Functional Characterization of Phosphatidylinositol-Phosphate Biosynthesis in <i>Mycobacteria</i> . <i>Journal of Molecular Biology</i> , 2020, 432, 5137-5151.	4.2	16
5	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
6	The urgent need for microbiology literacy in society. <i>Environmental Microbiology</i> , 2019, 21, 1513-1528.	3.8	99
7	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
8	Combined transcriptomicsâ€œmetabolomics profiling of the heat shock response in the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Extremophiles</i> , 2019, 23, 101-118.	2.3	12
9	Psychosocial impact of Parkinson's diseaseâ€œassociated dysarthria: Crossâ€œcultural adaptation and validation of the Dysarthria Impact Profile into European Portuguese. <i>Geriatrics and Gerontology International</i> , 2018, 18, 767-774.	1.5	5
10	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
11	Structure of a Phosphatidylinositol-Phosphate Synthase from <i>Mycobacteria</i> . <i>Biophysical Journal</i> , 2018, 114, 236a.	0.5	0
12	Diversity of bacteria and archaea from two shallow marine hydrothermal vents from Vulcano Island. <i>Extremophiles</i> , 2017, 21, 733-742.	2.3	48
13	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
14	Trehalose, a temperatureâ€œand saltâ€œinduced solute with implications in pathobiology of <i>Acinetobacter baumannii</i> . <i>Environmental Microbiology</i> , 2017, 19, 5088-5099.	3.8	52
15	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
16	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
17	Structural Basis for Phosphatidylinositol-Phosphate Biosynthesis. <i>Biophysical Journal</i> , 2016, 110, 61a.	0.5	0
18	Potential applications of stress solutes from extremophiles in protein folding diseases and healthcare. <i>Extremophiles</i> , 2016, 20, 251-259.	2.3	22

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19	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
20	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
21	Engineering <i>Corynebacterium glutamicum</i> for the production of 2,3-butanediol. <i>Microbial Cell Factories</i> , 2015, 14, 171.	4.0	38
22	A novel pathway for the synthesis of inositol phospholipids uses cytidine diphosphate (<sc>CDP</sc>)â€in as donor of the polar head group. <i>Environmental Microbiology</i> , 2015, 17, 2492-2504.	3.8	15
23	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
24	Structural basis for phosphatidylinositol-phosphate biosynthesis. <i>Nature Communications</i> , 2015, 6, 8505.	12.8	43
25	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
26	Mannitolâ€in 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
27	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
28	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
29	International conference on extremophiles 2014. <i>Extremophiles</i> , 2014, 18, 789-790.	2.3	0
30	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
31	Mannosylglycerate: structural analysis of biosynthesis and evolutionary history. <i>Extremophiles</i> , 2014, 18, 835-852.	2.3	22
32	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
33	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
34	Mannosylglycerate and Di- <i>myo</i> -Inositol 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
35	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
36	Organic solutes in the deepest phylogenetic branches of the Bacteria: identification of α -D-glucosyl- α -D-glucosylglycerate in <i>Persephonella marina</i> . <i>Extremophiles</i> , 2013, 17, 137-146.	2.3	15

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37	Inhibition of formation of α -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
38	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
39	High-resolution structure of an atypical α -phosphoglucomutase related to eukaryotic phosphomannomutases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2008-2016.	2.5	4
40	Mannitol, a compatible solute synthesized by <i>Acinetobacter baylyi</i> in a two-step pathway including a salt-induced and salt-dependent mannitol-4-phosphate dehydrogenase. <i>Environmental Microbiology</i> , 2013, 15, 2187-2197.	3.8	28
41	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
42	Production and crystallization of α -phosphoglucomutase from <i>Lactococcus lactis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1113-1115.	0.7	3
43	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
44	Mannosylglycerate stabilizes staphylococcal nuclease with restriction of slow β -sheet motions. <i>Protein Science</i> , 2012, 21, 1126-1137.	7.6	6
45	Antônio Xavier and his contribution to the development of Bioinorganic Chemistry. <i>FEBS Letters</i> , 2012, 586, 476-478.	2.8	1
46	Evolution of the biosynthesis of diacylglycerol inositol phosphate, a marker of adaptation to hot marine environments. <i>Environmental Microbiology</i> , 2012, 14, 691-701.	3.8	28
47	Organic Compatible Solutes of Prokaryotes that Thrive in Hot Environments: The Importance of Ionic Compounds for Thermostabilization. , 2011, , 497-520.		13
48	Three-Dimensional Structure of Mannosyl-3-phosphoglycerate Phosphatase from <i>Thermus thermophilus</i> HB27: A New Member of the Haloalcanolic Acid Dehalogenase Superfamily. <i>Biochemistry</i> , 2011, 50, 9551-9567.	2.5	9
49	Complex coordination of multi-scale cellular responses to environmental stress. <i>Molecular BioSystems</i> , 2011, 7, 731-741.	2.9	18
50	Assessment of the Efficacy of Solutes from Extremophiles on Protein Aggregation in Cell Models of Huntington's and Parkinson's Diseases. <i>Neurochemical Research</i> , 2011, 36, 1005-1011.	3.3	5
51	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
52	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
53	Bacterial <i>abl</i> -like genes: production of the archaeal osmolyte N^{ϵ} -acetyl-L-lysine by homologous overexpression of the <i>yodP</i> genes in <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 689-697.	3.6	4
54	Statistical Inference Methods for Sparse Biological Time Series Data. <i>BMC Systems Biology</i> , 2011, 5, 57.	3.0	10

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55	Crystallization and preliminary X-ray analysis of mannosyl-3-phosphoglycerate phosphatase from <i>Thermus thermophilus</i> HB27. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 390-396.	0.7	1
56	High Yields of 2,3-Butanediol and Mannitol in <i>Lactococcus lactis</i> through Engineering of NAD+Cofactor Recycling. Applied and Environmental Microbiology, 2011, 77, 6826-6835.	3.1	59
57	Crystal Structure of <i>Archaeoglobus fulgidus</i> CTP:Inositol-1-Phosphate Cytidyltransferase, a Key Enzyme for Di-myoinositol-Phosphate Synthesis in (Hyper)Thermophiles. Journal of Bacteriology, 2011, 193, 2177-2185.	2.2	16
58	Engineering Trehalose Synthesis in <i>Lactococcus lactis</i> for Improved Stress Tolerance. Applied and Environmental Microbiology, 2011, 77, 4189-4199.	3.1	50
59	Structural analysis of <i>Thermus thermophilus</i> HB27 mannosyl-3-phosphoglycerate synthase. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s142-s142.	0.3	0
60	Backbone and side chain 1H, 15N and 13C assignments for a thiol-disulphide oxidoreductase from the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. Biomolecular NMR Assignments, 2010, 4, 151-154.	0.8	2
61	Production, crystallization and preliminary X-ray analysis of CTP:inositol-1-phosphate cytidyltransferase from <i>Archaeoglobus fulgidus</i> . Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1463-1465.	0.7	2
62	Subcellular metabolic organization in the context of dynamic energy budget and biochemical systems theories. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3429-3442.	4.0	15
63	Two Alternative Pathways for the Synthesis of the Rare Compatible Solute Mannosylglucosylglycerate in <i>Picrotoga mobilis</i> . Journal of Bacteriology, 2010, 192, 1624-1633.	2.2	17
64	Towards Enhanced Galactose Utilization by <i>Lactococcus lactis</i> . Applied and Environmental Microbiology, 2010, 76, 7048-7060.	3.1	57
65	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. Journal of Biological Chemistry, 2010, 285, 17857-17868.	3.4	14
66	<i>Thermococcus kodakarensis</i> Mutants Deficient in Di-myoinositol Phosphate Use Aspartate To Cope with Heat Stress. Journal of Bacteriology, 2010, 192, 191-197.	2.2	36
67	Are Compatible Solutes Compatible with Biological Treatment of Saline Wastewater? Batch and Continuous Studies Using Submerged Anaerobic Membrane Bioreactors (SAMBRs). Environmental Science & Technology, 2010, 44, 7437-7442.	10.0	73
68	Thermal Unfolding Kinetics of Ubiquitin in the Microsecond-to-Second Time Range Probed by Tyr-59 Fluorescence. Journal of Physical Chemistry B, 2010, 114, 9912-9919.	2.6	13
69	A Unique α -1,2-Mannosyltransferase of <i>Thermotoga maritima</i> That Uses Di-myoinositol Phosphate as the Mannosyl Acceptor. Journal of Bacteriology, 2009, 191, 6105-6115.	2.2	18
70	Genetic analysis of the role of the ABC transporter Ota and Otb in glycine betaine transport in <i>Methanosarcina mazei</i> GÅ¶1. Archives of Microbiology, 2009, 191, 291-301.	2.2	9
71	Crystallization and preliminary X-ray analysis of mannosyl-3-phosphoglycerate synthase from <i>Thermus thermophilus</i> HB27. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 1014-1017.	0.7	5
72	Characterization of the individual glucose uptake systems of <i>Lactococcus lactis</i> : mannoseâ€PTS, cellobioseâ€PTS and the novel GlcU permease. Molecular Microbiology, 2009, 71, 795-806.	2.5	74

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73	A novel limb in the osmoregulatory network of <i>Methanosarcina mazei</i> : N ^ε -acetyllysine can be substituted by glutamate and alanine. <i>Environmental Microbiology</i> , 2009, 11, 1056-1065.	3.8	18
74	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
75	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
76	Relationship between Protein Stabilization and Protein Rigidification Induced by Mannosylglycerate. <i>Journal of Molecular Biology</i> , 2009, 394, 237-250.	4.2	22
77	Enhancing the fluorescence of tyr-59 in ubiquitin by blocking proton transfer. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3580.	2.8	2
78	Di-myo-inositol phosphate and novel UDP-sugars accumulate in the extreme hyperthermophile <i>Pyrolobus fumarii</i> . <i>Extremophiles</i> , 2008, 12, 383-389.	2.3	17
79	Design of new enzyme stabilizers inspired by glycosides of hyperthermophilic microorganisms. <i>Carbohydrate Research</i> , 2008, 343, 3025-3033.	2.3	47
80	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
81	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
82	Use of In Vivo ¹³ C Nuclear Magnetic Resonance Spectroscopy To Elucidate -Arabinose Metabolism in Yeasts. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1845-1855.	3.1	15
83	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
84	Bifunctional CTP:Inositol-1-Phosphate Cytidyltransferase/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
85	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
86	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
87	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
88	1±-d-Mannopyranosyl-(1±'2)-1±-d-glucopyranosyl-(1±'2)-glycerate in the thermophilic bacterium <i>Petrogla miotherma</i> structure, cellular content and function. <i>FEBS Journal</i> , 2007, 274, 3120-3127.	4.7	24
89	The lactate dehydrogenases encoded by the <i>ldhA</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
90	Automated smoother for the numerical decoupling of dynamics models. <i>BMC Bioinformatics</i> , 2007, 8, 305.	2.6	64

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91	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
92	A highly thermostable trehalase from the thermophilic bacterium <i>Rhodothermus marinus</i> . <i>Extremophiles</i> , 2007, 11, 115-122.	2.3	21
93	Organic solutes in <i>Rubrobacter xylanophilus</i> : the first example of di-myo-inositol-phosphate in a thermophile. <i>Extremophiles</i> , 2007, 11, 667-673.	2.3	38
94	Compatible Solutes of (Hyper)thermophiles and Their Role in Protein Stabilization. , 2007, , 9-24.		2
95	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
96	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
97	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
98	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
99	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
100	The Î±-Phosphoglucomutase of <i>Lactococcus lactis</i> Is Unrelated to the Î±-d-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
101	8 Characterization and Quantification of Compatible Solutes in (Hyper)thermophilic Microorganisms. <i>Methods in Microbiology</i> , 2006, , 173-199.	0.8	18
102	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
103	Occurrence of 1-Glycerol-1-myo-Inositol Phosphate in Hyperthermophiles. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6169-6173.	3.1	26
104	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
105	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
106	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
107	Structural determinants of protein stabilization by solutes. <i>FEBS Journal</i> , 2005, 272, 999-1011.	4.7	15
108	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

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109	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
110	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
111	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
112	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
113	Stress response by solute accumulation in archaea. <i>Current Opinion in Microbiology</i> , 2005, 8, 729-736.	5.1	92
114	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
115	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
116	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
117	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
118	Protein Stabilization by Osmolytes from Hyperthermophiles. <i>Journal of Biological Chemistry</i> , 2004, 279, 48680-48691.	3.4	61
119	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
120	Intramolecular Fluorescence Quenching of Tyrosine by the Peptide $\hat{\pm}$ -Carbonyl Group Revisited. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2155-2166.	2.5	36
121	Unfolding of Ubiquitin Studied by Picosecond Time-Resolved Fluorescence of the Tyrosine Residue. <i>Biophysical Journal</i> , 2004, 87, 2609-2620.	0.5	20
122	<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
123	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
124	Protein stabilization by compatible solutes. <i>FEBS Journal</i> , 2003, 270, 4606-4614.	0.2	44
125	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
126	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

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127	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
128	Yeast Life-Span Extension by Calorie Restriction Is Independent of NAD Fluctuation. <i>Science</i> , 2003, 302, 2124-2126.	12.6	152
129	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
130	Lysine-2,3-Aminomutase and $\hat{1}^2$ -Lysine Acetyltransferase Genes of Methanogenic Archaea Are Salt Induced and Are Essential for the Biosynthesis of $\hat{1}^2$ -Acetyl- $\hat{1}^2$ -Lysine and Growth at High Salinity. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6047-6055.	3.1	43
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