

# Mario De Rosa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188  
papers

6,798  
citations

41  
h-index

72  
g-index

191  
ext. papers

7,434  
ext. citations

5.1  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
188	High-performance capillary electrophoresis to determine intact keratan sulfate and hyaluronic acid in animal origin chondroitin sulfate samples and food supplements. <i>Electrophoresis</i> , <b>2020</b> , 41, 1740-1748 <sup>3.6</sup>	3.6	4
187	Hyaluronan-based hydrogels via ether-crosslinking: Is HA molecular weight an effective means to tune gel performance?. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 94-101	7.9	7
186	Gaining insight on mitigation of rubeosis iridis by UPARANT in a mouse model associated with proliferative retinopathy. <i>Journal of Molecular Medicine</i> , <b>2020</b> , 98, 1629-1638	5.5	1
185	Comparative Analyses of Pharmaceuticals or Food Supplements Containing Chondroitin Sulfate: Are Their Bioactivities Equivalent?. <i>Advances in Therapy</i> , <b>2019</b> , 36, 3221-3237	4.1	18
184	In Vitro Evaluation of Novel Hybrid Cooperative Complexes in a Wound Healing Model: A Step Toward Improved Bioreparation. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	9
183	European chondroitin sulfate and glucosamine food supplements: A systematic quality and quantity assessment compared to pharmaceuticals. <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 114984	10.3	26
182	Hyaluronic acid and chondroitin sulfate, alone or in combination, efficiently counteract induced bladder cell damage and inflammation. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218475	3.7	14
181	Novel Hybrid Gels Made of High and Low Molecular Weight Hyaluronic Acid Induce Proliferation and Reduce Inflammation in an Osteoarthritis Model Based on Human Synoviocytes and Chondrocytes. <i>BioMed Research International</i> , <b>2019</b> , 2019, 4328219	3	22
180	Hyaluronan-based hydrogels as dermal fillers: The biophysical properties that translate into a "volumetric" effect. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218287	3.7	23
179	The urokinase-type plasminogen activator system as drug target in retinitis pigmentosa: New pre-clinical evidence in the rd10 mouse model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 5176-5192 <sup>5.6</sup>	5.6	11
178	UPARANT is an effective antiangiogenic agent in a mouse model of rubeosis iridis. <i>Journal of Molecular Medicine</i> , <b>2019</b> , 97, 1273-1283	5.5	3
177	Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 180, 637-647	6.8	12
176	Inhibiting the urokinase-type plasminogen activator receptor system recovers STZ-induced diabetic nephropathy. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 1034-1049	5.6	14
175	Valorization of Olive Mill Wastewater by Membrane Processes to Recover Natural Antioxidant Compounds for Cosmeceutical and Nutraceutical Applications or Functional Foods. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	24
174	Positive Effects against UV-A Induced Damage and Oxidative Stress on an Cell Model Using a Hyaluronic Acid Based Formulation Containing Amino Acids, Vitamins, and Minerals. <i>BioMed Research International</i> , <b>2018</b> , 2018, 8481243	3	10
173	High yield production and purification of two recombinant thermostable phosphotriesterase-like lactonases from <i>Sulfolobus acidocaldarius</i> and <i>Sulfolobus solfataricus</i> useful as bioremediation tools and bioscavengers. <i>BMC Biotechnology</i> , <b>2018</b> , 18, 18	3.5	16
172	In vitro assessment of nutraceutical compounds and novel nutraceutical formulations in a liver-steatosis-based model. <i>Lipids in Health and Disease</i> , <b>2018</b> , 17, 24	4.4	8

171	Hybrid complexes of high and low molecular weight hyaluronan delay in vitro replicative senescence of mesenchymal stromal cells: a pilot study for future therapeutic application. <i>Aging</i> , <b>2018</b> , 10, 1575-1585	5.6	16
170	In Vitro Evaluation of Hybrid Cooperative Complexes of Hyaluronic Acid as a Potential New Ophthalmic Treatment. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2018</b> , 34, 677-684	2.6	6
169	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , <b>2018</b> , 8, 13773	4.9	12
168	Structural insight into the optimization of ethyl 5-hydroxybenzo[g]indol-3-carboxylates and their bioisosteric analogues as 5-LO/m-PGES-1 dual inhibitors able to suppress inflammation. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 155, 946-960	6.8	12
167	New insight into chondroitin and heparosan-like capsular polysaccharide synthesis by profiling of the nucleotide sugar precursors. <i>Bioscience Reports</i> , <b>2017</b> , 37,	4.1	21
166	Boosted large-scale production and purification of a thermostable archaeal phosphotriesterase-like lactonase for organophosphate decontamination. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2017</b> , 44, 363-375	4.2	7
165	Inflammation and N-formyl peptide receptors mediate the angiogenic activity of human vitreous humour in proliferative diabetic retinopathy. <i>Diabetologia</i> , <b>2017</b> , 60, 719-728	10.3	26
164	Preclinical evaluation of the urokinase receptor-derived peptide UPARANT as an anti-inflammatory drug. <i>Inflammation Research</i> , <b>2017</b> , 66, 701-709	7.2	10
163	Hyaluronan hydrogels with a low degree of modification as scaffolds for cartilage engineering. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 978-989	7.9	14
162	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , <b>2017</b> , 958, 59-70	6.6	30
161	Diabetic Retinopathy in the Spontaneously Diabetic Torii Rat: Pathogenetic Mechanisms and Preventive Efficacy of Inhibiting the Urokinase-Type Plasminogen Activator Receptor System. <i>Journal of Diabetes Research</i> , <b>2017</b> , 2017, 2904150	3.9	12
160	The Urokinase Receptor-Derived Peptide UPARANT Recovers Dysfunctional Electroretinogram and Blood-Retinal Barrier Leakage in a Rat Model of Diabetes <b>2017</b> , 58, 3138-3148		13
159	Hybrid Complexes of High and Low Molecular Weight Hyaluronans Highly Enhance HASCs Differentiation: Implication for Facial Bioremodelling. <i>Cellular Physiology and Biochemistry</i> , <b>2017</b> , 44, 1078-1092	3.9	36
158	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 127, 715-726	6.8	17
157	Is molecular size a discriminating factor in hyaluronan interaction with human cells?. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 21-30	10.3	48
156	A Modular Approach to a Library of Semi-Synthetic Fucosylated Chondroitin Sulfate Polysaccharides with Different Sulfation and Fucosylation Patterns. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18215-18226	4.8	22
155	Biophysical and biological characterization of a new line of hyaluronan-based dermal fillers: A scientific rationale to specific clinical indications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 68, 565-572	8.3	30
154	Biotechnological Chondroitin a Novel Glycosaminoglycan With Remarkable Biological Function on Human Primary Chondrocytes. <i>Journal of Cellular Biochemistry</i> , <b>2016</b> , 117, 2158-69	4.7	37

153	Exploring the role of chloro and methyl substitutions in 2-phenylthiomethyl-benzoindeole derivatives for 5-LOX enzyme inhibition. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 466-475	6.8	15
152	Hyaluronan dermal fillers via crosslinking with 1,4-butandiol diglycidyl ether: Exploitation of heterogeneous reaction conditions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 9-18	3.5	20
151	Advances in the 16 $\beta$ -hydroxy transformation of hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Process Biochemistry</i> , <b>2016</b> , 51, 1-8	4.8	10
150	Hyaluronan viscosupplementation: state of the art and insight into the novel cooperative hybrid complexes based on high and low molecular weight HA of potential interest in osteoarthritis treatment. <i>Clinical Cases in Mineral and Bone Metabolism</i> , <b>2016</b> , 13, 36-7		10
149	Molecular Mechanisms Mediating Antiangiogenic Action of the Urokinase Receptor-Derived Peptide UPARANT in Human Retinal Endothelial Cells <b>2016</b> , 57, 5723-5735		17
148	The Urokinase Receptor-Derived Peptide UPARANT Mitigates Angiogenesis in a Mouse Model of Laser-Induced Choroidal Neovascularization <b>2016</b> , 57, 2600-2611		20
147	Hyaluronan Hybrid Cooperative Complexes as a Novel Frontier for Cellular Bioprocesses Re-Activation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163510	3.7	33
146	A Semisynthetic Approach to New Immunoadjuvant Candidates: Site-Selective Chemical Manipulation of <i>Escherichia coli</i> Monophosphoryl Lipid A. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11053-63	4.8	9
145	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulose and blocks bronchoconstriction and inflammation in vivo. <i>Biochemical Pharmacology</i> , <b>2016</b> , 112, 60-71	6	20
144	Optimization of hyaluronan-based eye drop formulations. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 275-283	10.3	46
143	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 94, 132-9	6.8	31
142	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2237-45	6.9	35
141	In vitro analysis of the effects on wound healing of high- and low-molecular weight chains of hyaluronan and their hybrid H-HA/L-HA complexes. <i>BMC Cell Biology</i> , <b>2015</b> , 16, 19		60
140	Engineering a branch of the UDP-precursor biosynthesis pathway enhances the production of capsular polysaccharide in <i>Escherichia coli</i> O5:K4:H4. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 1307-15	5.6	20
139	<i>Lactobacillus plantarum</i> : microfiltration experiments for the production of probiotic biomass to be used in food and nutraceutical preparations. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 325-33	2.8	9
138	UPARANT: a urokinase receptor-derived peptide inhibitor of VEGF-driven angiogenesis with enhanced stability and in vitro and in vivo potency. <i>Molecular Cancer Therapeutics</i> , <b>2014</b> , 13, 1092-104	6.1	35
137	Further studies on ethyl 5-hydroxy-indole-3-carboxylate scaffold: design, synthesis and evaluation of 2-phenylthiomethyl-indole derivatives as efficient inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 81, 492-8	6.8	19
136	Structure-activity relationship study of arbidol derivatives as inhibitors of chikungunya virus replication. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 6014-25	3.4	38

135	A combined fermentative-chemical approach for the scalable production of pure E. coli monophosphoryl lipid A. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 7781-91	5.7	8
134	Lactobacillus crispatus L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. <i>BMC Microbiology</i> , <b>2014</b> , 14, 137	4.5	49
133	Nanoparticles for the delivery of zoledronic acid to prostate cancer cells: a comparative analysis through time lapse video-microscopy technique. <i>Cancer Biology and Therapy</i> , <b>2014</b> , 15, 1524-32	4.6	12
132	Biotechnological transformation of hydrocortisone to 16 $\beta$ -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 1291-9	5.7	13
131	Cyclohexa-2,5-diene-1,4-dione-based antiproliferative agents: design, synthesis, and cytotoxic evaluation. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2013</b> , 32, 24	12.8	20
130	Discovery and biological evaluation of novel 1,4-benzoquinone and related resorcinol derivatives that inhibit 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 67, 269-79	6.8	32
129	Homologous overexpression of RfaH in E. coli K4 improves the production of chondroitin-like capsular polysaccharide. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 46	6.4	34
128	Monosaccharide precursors for boosting chondroitin-like capsular polysaccharide production. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 1699-709	5.7	18
127	High cell density cultivation of a recombinant E. coli strain expressing a key enzyme in bioengineered heparin production. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 3893-900	5.7	32
126	Hyaluronan scaffolds via diglycidyl ether crosslinking: toward improvements in composition and performance. <i>Carbohydrate Polymers</i> , <b>2013</b> , 96, 536-44	10.3	29
125	Design of inhibitors of influenza virus membrane fusion: synthesis, structure-activity relationship and in vitro antiviral activity of a novel indole series. <i>Antiviral Research</i> , <b>2013</b> , 99, 125-35	10.8	29
124	A urokinase receptor-derived peptide inhibiting VEGF-dependent directional migration and vascular sprouting. <i>Molecular Cancer Therapeutics</i> , <b>2013</b> , 12, 1981-93	6.1	29
123	Semi-synthesis of unusual chondroitin sulfate polysaccharides containing GlcA(3-O-sulfate) or GlcA(2,3-di-O-sulfate) units. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2123-30	4.8	27
122	Properties of newly-synthesized cationic semi-interpenetrating hydrogels containing either hyaluronan or chondroitin sulfate in a methacrylic matrix. <i>Journal of Functional Biomaterials</i> , <b>2012</b> , 3, 225-38	4.8	14
121	Methods for cancer stem cell detection and isolation. <i>Methods in Molecular Biology</i> , <b>2012</b> , 879, 513-29	1.4	47
120	Production of glucuronic acid-based polysaccharides by microbial fermentation for biomedical applications. <i>Biotechnology Journal</i> , <b>2012</b> , 7, 237-50	5.6	30
119	Purification of chondroitin precursor from Escherichia coli K4 fermentation broth using membrane processing. <i>Biotechnology Journal</i> , <b>2011</b> , 6, 410-9	5.6	17
118	Development of nanocomposite based on hydroxyethylmethacrylate and functionalized fumed silica: mechanical, chemico-physical and biological characterization. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 481-90	4.5	7

117	MbCO Embedded in Trehalosyl-dextrin Matrices: Thermal Effects and Protein-Matrix Coupling. <i>Food Biophysics</i> , <b>2011</b> , 6, 217-226	3.2	5
116	High cell density cultivation of Escherichia coli K4 in a microfiltration bioreactor: a step towards improvement of chondroitin precursor production. <i>Microbial Cell Factories</i> , <b>2011</b> , 10, 10	6.4	38
115	Divergence of gut permeability and mucosal immune gene expression in two gluten-associated conditions: celiac disease and gluten sensitivity. <i>BMC Medicine</i> , <b>2011</b> , 9, 23	11.4	306
114	A microbiological-chemical strategy to produce chondroitin sulfate A,C. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6160-3	16.4	52
113	Comparative analysis of commercial dermal fillers based on crosslinked hyaluronan: Physical characterization and in vitro enzymatic degradation. <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 630-638	4.7	36
112	Alterations of the intestinal barrier in patients with autism spectrum disorders and in their first-degree relatives. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2010</b> , 51, 418-24	2.8	336
111	Hyaluronic acid degradation during initial steps of downstream processing. <i>Biocatalysis and Biotransformation</i> , <b>2010</b> , 28, 83-89	2.5	7
110	Production of capsular polysaccharide from Escherichia coli K4 for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 1779-87	5.7	51
109	Production of chondroitin sulfate and chondroitin. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1209-20	5.7	94
108	Isolation of an Escherichia coli K4 kfoC mutant over-producing capsular chondroitin. <i>Microbial Cell Factories</i> , <b>2010</b> , 9, 34	6.4	30
107	Improved fructosylated chondroitin production by kfoC overexpression in E. coli K4. <i>Journal of Biotechnology</i> , <b>2010</b> , 150, 324-31	3.7	23
106	A complete hyaluronan hydrodynamic characterization using a size exclusion chromatography-triple detector array system during in vitro enzymatic degradation. <i>Analytical Biochemistry</i> , <b>2010</b> , 404, 21-9	3.1	65
105	Structure-based design of an urokinase-type plasminogen activator receptor-derived peptide inhibiting cell migration and lung metastasis. <i>Molecular Cancer Therapeutics</i> , <b>2009</b> , 8, 2708-17	6.1	45
104	In vitro evaluation of Lactobacillus plantarum DSMZ 12028 as a probiotic: emphasis on innate immunity. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 135, 90-8	5.8	60
103	High-performance CE of Escherichia coli K4 cell surface polysaccharides. <i>Electrophoresis</i> , <b>2009</b> , 30, 3877-3883	3.3	24
102	Chemico-physical characterization of hybrid composites based on hydroxyethyl methacrylate and nanosilica. <i>Journal of Polymer Research</i> , <b>2009</b> , 16, 561-567	2.7	10
101	Effects of low concentrations of benzene on human lung cells in vitro. <i>Toxicology Letters</i> , <b>2009</b> , 188, 130-4	4.4	17
100	An urokinase receptor antagonist that inhibits cell migration by blocking the formyl peptide receptor. <i>FEBS Letters</i> , <b>2008</b> , 582, 1141-6	3.8	33

99	Production of a thermophilic maltooligosyl-trehalose synthase in <i>Lactococcus lactis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 1079-83	4.2	3
98	High-yield cultivation of <i>Marinococcus</i> M52 for production and recovery of hydroxyectoine. <i>Research in Microbiology</i> , <b>2006</b> , 157, 693-9	4	30
97	Ectoine from halophilic microorganisms induces the expression of hsp70 and hsp70B in human keratinocytes modulating the proinflammatory response. <i>Cell Stress and Chaperones</i> , <b>2005</b> , 10, 197-203	4	39
96	A novel injectable poly(epsilon-caprolactone)/calcium sulfate system for bone regeneration: synthesis and characterization. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 1108-17	5.5	48
95	Cationic polyelectrolyte hydrogel fosters fibroblast spreading, proliferation, and extracellular matrix production: Implications for tissue engineering. <i>Journal of Cellular Physiology</i> , <b>2004</b> , 198, 133-43	7	40
94	Development of hybrid materials based on hydroxyethylmethacrylate as supports for improving cell adhesion and proliferation. <i>Biomaterials</i> , <b>2004</b> , 25, 3645-53	15.6	73
93	Glucose production from maltodextrins employing a thermophilic immobilized cell biocatalyst in a packed-bed reactor. <i>Enzyme and Microbial Technology</i> , <b>2004</b> , 34, 415-421	3.8	9
92	Evaluation of a high temperature immobilised enzyme reactor for production of non-reducing oligosaccharides. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2003</b> , 30, 302-7	4.2	10
91	High cell density cultivation of probiotics and lactic acid production. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 82, 213-22	4.9	42
90	Immobilized <i>Proteus mirabilis</i> in poly(vinyl alcohol) cryogels for L-carnitine production. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 32, 507-512	3.8	14
89	Cellobiose and lactulose coupled with mannitol and determined using ion-exchange chromatography with pulsed amperometric detection, are reliable probes for investigation of intestinal permeability. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 783, 349-57	3.2	39
88	Perspectives on biotechnological applications of archaea. <i>Archaea</i> , <b>2002</b> , 1, 75-86	2	80
87	Trehalose production: exploiting novel approaches. <i>Trends in Biotechnology</i> , <b>2002</b> , 20, 420-5	15.1	193
86	Trehalose production at high temperature exploiting an immobilized cell bioreactor. <i>Extremophiles</i> , <b>2002</b> , 6, 341-7	3	25
85	Enzymatic production of 18-Eglycyrrhetic acid from <i>Glycyrrhiza glabra</i> L.. <i>Biotechnology Letters</i> , <b>2002</b> , 24, 1907-1911	3	10
84	The production of biocatalysts and biomolecules from extremophiles. <i>Trends in Biotechnology</i> , <b>2002</b> , 20, 515-21	15.1	165
83	Stabilization of S-adenosyl-L-methionine promoted by trehalose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2002</b> , 1573, 105-8	4	17
82	Innovative fermentation strategies for the production of extremophilic enzymes. <i>Extremophiles</i> , <b>2001</b> , 5, 193-8	3	22

81	An enzymatic process for the production of the pharmacologically active glycoside desglucodesrhamnosin from <i>Ruscus aculeatus</i> L.. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2001</b> , 11, 307-314		8
80	Identification and molecular characterization of the first alpha -xylosidase from an archaeon. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 22082-9	5.4	59
79	Different effects of microwave energy and conventional heat on the activity of a thermophilic $\beta$ galactosidase from <i>Bacillus acidocaldarius</i> . <i>Bioelectromagnetics</i> , <b>1999</b> , 20, 172-176	1.6	23
78	Neuronorm is a potent and water soluble neurokinin A receptor antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 1735-40	2.9	1
77	Non-thermal effects of microwaves on proteins: thermophilic enzymes as model system. <i>FEBS Letters</i> , <b>1997</b> , 402, 102-6	3.8	157
76	Enzymatic Detection of l-Isoaspartyl Residues in Food Proteins and the Protective Properties of Trehalose. <i>Journal of Nutritional Biochemistry</i> , <b>1997</b> , 8, 535-540	6.3	6
75	Purification and characterization of the alcohol dehydrogenase from a novel strain of <i>Bacillus stearothermophilus</i> growing at 70 degrees C. <i>International Journal of Biochemistry and Cell Biology</i> , <b>1996</b> , 28, 239-46	5.6	47
74	Functional and structural properties of the homogeneous beta-glycosidase from the extreme thermoacidophilic archaeon <i>Sulfolobus solfataricus</i> expressed in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , <b>1996</b> , 7, 299-308	2	18
73	Cloning and sequencing of the gene coding for S-adenosylhomocysteine hydrolase in the thermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Gene</i> , <b>1996</b> , 177, 17-22	3.8	9
72	Extremely thermophilic and thermostable 5Methylthioadenosine phosphorylase from the archaeon <i>Sulfolobus solfataricus</i> . Gene cloning and amino acid sequence determination. <i>FEBS Journal</i> , <b>1996</b> , 239, 632-7		6
71	Archaeal lipids: structural features and supramolecular organization. <i>Thin Solid Films</i> , <b>1996</b> , 284-285, 13-17	2.2	39
70	Industrial-Scale Production of Thermostable Enzymes: The Model-System of the $\beta$ Glycosidase from <i>Sulfolobus Solfataricus</i> <b>1996</b> , 89-99		
69	ADP-ribosylation reactions in <i>Sulfolobus solfataricus</i> , a thermoacidophilic archaeon. <i>BBA - Proteins and Proteomics</i> , <b>1995</b> , 1246, 151-9		10
68	Molecular properties of glutamate dehydrogenase from the extreme thermophilic archaeobacterium <i>Sulfolobus solfataricus</i> . <i>BBA - Proteins and Proteomics</i> , <b>1995</b> , 1251, 170-6		
67	Characterization of redox proteins from extreme thermophilic archaeobacteria: studies on alcohol dehydrogenase and thioredoxins. <i>Biosensors and Bioelectronics</i> , <b>1995</b> , 10, 135-140	11.8	10
66	X-ray diffraction structural analysis of Langmuir-Blodgett films using a pattern recognition approach. <i>Thin Solid Films</i> , <b>1995</b> , 265, 74-83	2.2	10
65	The amino acid sequence of glutamate dehydrogenase from <i>Pyrococcus furiosus</i> , a hyperthermophilic archaeobacterium. <i>The Protein Journal</i> , <b>1994</b> , 13, 253-9		21
64	NAD-dependent glutamate dehydrogenase from the thermophilic eubacterium <i>Bacillus acidocaldarius</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1994</b> , 109, 691-699		2



63	Purification and characterization of a thermostable carboxylesterase from the thermoacidophilic eubacterium <i>Bacillus acidocaldarius</i> . <i>FEBS Journal</i> , <b>1994</b> , 221, 965-72		27
62	Unique Features of Lipids of Archaea. <i>Systematic and Applied Microbiology</i> , <b>1993</b> , 16, 518-527	4.2	56
61	Glutamate dehydrogenase from the thermoacidophilic archaeobacterium <i>Sulfolobus solfataricus</i> : studies on thermal and guanidine-dependent inactivation. <i>BBA - Proteins and Proteomics</i> , <b>1993</b> , 1202, 207-15		9
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