

Mario De Rosa

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188
papers

6,798
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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	The lipids of archaebacteria. <i>Progress in Lipid Research</i> , 1988 , 27, 153-75	14.3	375
187	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> , 2010 , 51, 418-24	2.8	336
186	Divergence of gut permeability and mucosal immune gene expression in two gluten-associated conditions: celiac disease and gluten sensitivity. <i>BMC Medicine</i> , 2011 , 9, 23	11.4	306
185	Trehalose production: exploiting novel approaches. <i>Trends in Biotechnology</i> , 2002 , 20, 420-5	15.1	193
184	Effects of temperature on ether lipid composition of <i>Caldariella acidophila</i> . <i>Phytochemistry</i> , 1980 , 19, 827-831	4	176
183	The production of biocatalysts and biomolecules from extremophiles. <i>Trends in Biotechnology</i> , 2002 , 20, 515-21	15.1	165
182	Structure and polymorphism of bipolar isopranyl ether lipids from archaebacteria. <i>Journal of Molecular Biology</i> , 1985 , 182, 131-49	6.5	159
181	Non-thermal effects of microwaves on proteins: thermophilic enzymes as model system. <i>FEBS Letters</i> , 1997 , 402, 102-6	3.8	157
180	Thermostable beta-galactosidase from the archaebacterium <i>Sulfolobus solfataricus</i> . Purification and properties. <i>FEBS Journal</i> , 1990 , 187, 321-8		143
179	Effect of isoprenoid cyclization on the transition temperature of lipids in thermophilic archaebacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983 , 735, 234-242	3.8	123
178	Chemical structure of the ether lipids of thermophilic acidophilic bacteria of the <i>Caldariella</i> group. <i>Phytochemistry</i> , 1977 , 16, 1961-1965	4	114
177	Production of chondroitin sulfate and chondroitin. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 1209-20	5.7	94
176	Monolayer black membranes from bipolar lipids of archaebacteria and their temperature-induced structural changes. <i>Journal of Membrane Biology</i> , 1983 , 75, 45-56	2.3	94
175	Thermostable NAD(+)-dependent alcohol dehydrogenase from <i>Sulfolobus solfataricus</i> : gene and protein sequence determination and relationship to other alcohol dehydrogenases. <i>Biochemistry</i> , 1992 , 31, 12514-23	3.2	92
174	Perspectives on biotechnological applications of archaea. <i>Archaea</i> , 2002 , 1, 75-86	2	80
173	Extremely thermostable glutamate dehydrogenase from the hyperthermophilic archaebacterium <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 1991 , 202, 1189-96		79
172	Structure of calditol, a new branched-chain nonitol, and of the derived tetraether lipids in thermoacidophile archaebacteria of the <i>Caldariella</i> group. <i>Phytochemistry</i> , 1980 , 19, 249-254	4	78

171	Development of hybrid materials based on hydroxyethylmethacrylate as supports for improving cell adhesion and proliferation. <i>Biomaterials</i> , 2004 , 25, 3645-53	15.6	73
170	A novel archaeobacterial NAD ⁺ -dependent alcohol dehydrogenase. Purification and properties. <i>FEBS Journal</i> , 1987 , 167, 475-9		71
169	Complex lipids of <i>Caldariella acidophila</i> , a thermoacidophile archaeobacterium. <i>Phytochemistry</i> , 1980 , 19, 821-825	4	70
168	<i>Caldariella</i> quinone, a unique benzo(b)thiophen-4,7-quinone from <i>Caldariella acidophila</i> , an extremely thermophilic and acidophilic bacterium. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1977 , 653-7		70
167	Structural regularities in tetraether lipids of <i>Caldariella</i> and their biosynthetic and phyletic implications. <i>Phytochemistry</i> , 1980 , 19, 833-836	4	69
166	A complete hyaluronan hydrodynamic characterization using a size exclusion chromatography-triple detector array system during in vitro enzymatic degradation. <i>Analytical Biochemistry</i> , 2010 , 404, 21-9	3.1	65
165	Glutamate dehydrogenase from the thermoacidophilic archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Journal</i> , 1991 , 196, 459-67		62
164	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> , 2015 , 16, 19		60
163	In vitro evaluation of <i>Lactobacillus plantarum</i> DSMZ 12028 as a probiotic: emphasis on innate immunity. <i>International Journal of Food Microbiology</i> , 2009 , 135, 90-8	5.8	60
162	Identification and molecular characterization of the first alpha -xylosidase from an archaeon. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22082-9	5.4	59
161	Unique Features of Lipids of Archaea. <i>Systematic and Applied Microbiology</i> , 1993 , 16, 518-527	4.2	56
160	The protein sequence of glutamate dehydrogenase from <i>Sulfolobus solfataricus</i> , a thermoacidophilic archaeobacterium. Is the presence of N-epsilon-methyllysine related to thermostability?. <i>FEBS Journal</i> , 1992 , 203, 81-7		55
159	A microbiological-chemical strategy to produce chondroitin sulfate A,C. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6160-3	16.4	52
158	Production of capsular polysaccharide from <i>Escherichia coli</i> K4 for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 1779-87	5.7	51
157	¹³ C-NMR assignments and biosynthetic data for the ether lipids of <i>Caldariella</i> . <i>Phytochemistry</i> , 1977 , 16, 1909-1912	4	51
156	<i>Lactobacillus crispatus</i> L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. <i>BMC Microbiology</i> , 2014 , 14, 137	4.5	49
155	Is molecular size a discriminating factor in hyaluronan interaction with human cells?. <i>Carbohydrate Polymers</i> , 2017 , 157, 21-30	10.3	48
154	A novel injectable poly(epsilon-caprolactone)/calcium sulfate system for bone regeneration: synthesis and characterization. <i>Macromolecular Bioscience</i> , 2005 , 5, 1108-17	5.5	48

153	Methods for cancer stem cell detection and isolation. <i>Methods in Molecular Biology</i> , 2012 , 879, 513-29	1.4	47
152	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> , 1996 , 28, 239-46	5.6	47
151	Optimization of hyaluronan-based eye drop formulations. <i>Carbohydrate Polymers</i> , 2016 , 153, 275-283	10.3	46
150	Structure-based design of an urokinase-type plasminogen activator receptor-derived peptide inhibiting cell migration and lung metastasis. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 2708-17	6.1	45
149	Regularity of isoprenoid biosynthesis in the ether lipids of archaeobacteria. <i>Phytochemistry</i> , 1980 , 19, 791-793	4	43
148	High cell density cultivation of probiotics and lactic acid production. <i>Biotechnology and Bioengineering</i> , 2003 , 82, 213-22	4.9	42
147	Cationic polyelectrolyte hydrogel fosters fibroblast spreading, proliferation, and extracellular matrix production: Implications for tissue engineering. <i>Journal of Cellular Physiology</i> , 2004 , 198, 133-43	7	40
146	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> , 2003 , 783, 349-57	3.2	39
145	Ectoine from halophilic microorganisms induces the expression of hsp70 and hsp70B in human keratinocytes modulating the proinflammatory response. <i>Cell Stress and Chaperones</i> , 2005 , 10, 197-203	4	39
144	Archaeal lipids: structural features and supramolecular organization. <i>Thin Solid Films</i> , 1996 , 284-285, 13-17	2.2	39
143	Structure-activity relationship study of arbidol derivatives as inhibitors of chikungunya virus replication. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 6014-25	3.4	38
142	High cell density cultivation of <i>Escherichia coli</i> K4 in a microfiltration bioreactor: a step towards improvement of chondroitin precursor production. <i>Microbial Cell Factories</i> , 2011 , 10, 10	6.4	38
141	Enzyme-catalyzed synthesis of alkyl β -D-glycosides with crude homogenate of <i>Sulfolobus solfataricus</i> . <i>Biotechnology Letters</i> , 1991 , 13, 235-240	3	38
140	Distribution of Complex and Core Lipids within New Hyperthermophilic Members of the Archaea Domain. <i>Systematic and Applied Microbiology</i> , 1992 , 15, 11-17	4.2	38
139	Biotechnological Chondroitin a Novel Glycosaminoglycan With Remarkable Biological Function on Human Primary Chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 2158-69	4.7	37
138	A range of ether core lipids from the methanogenic archaeobacterium <i>Methanosarcina barkeri</i> . <i>Lipids and Lipid Metabolism</i> , 1986 , 875, 487-492		37
137	Hybrid Complexes of High and Low Molecular Weight Hyaluronans Highly Enhance HASCs Differentiation: Implication for Facial Bioremodelling. <i>Cellular Physiology and Biochemistry</i> , 2017 , 44, 1078-1092	3.9	36
136	Comparative analysis of commercial dermal fillers based on crosslinked hyaluronan: Physical characterization and in vitro enzymatic degradation. <i>Polymer Degradation and Stability</i> , 2011 , 96, 630-636	4.7	36

135	Lipids of <i>Thermococcus celer</i> , a sulfur-reducing archaeobacterium: Structure and biosynthesis. <i>Systematic and Applied Microbiology</i> , 1987 , 9, 1-5	4.2	36
134	The biosynthetic pathway of new polyamines in <i>Caldariella acidophila</i> . <i>Biochemical Journal</i> , 1978 , 176, 1-7	3.8	36
133	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , 2015 , 16, 2237-45	6.9	35
132	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> , 2014 , 13, 1092-104	6.1	35
131	Isoprenoids of <i>Bacillus acidocaldarius</i> . <i>Phytochemistry</i> , 1973 , 12, 1117-1123	4	35
130	Homologous overexpression of RfaH in <i>E. coli</i> K4 improves the production of chondroitin-like capsular polysaccharide. <i>Microbial Cell Factories</i> , 2013 , 12, 46	6.4	34
129	Properties of the elongation factor 1 alpha in the thermoacidophilic archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Journal</i> , 1991 , 199, 529-37		34
128	A new 15,16-dimethyl-30-glyceryloxytriacontanoic acid from lipids of <i>Thermotoga maritima</i> . <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1300		34
127	An urokinase receptor antagonist that inhibits cell migration by blocking the formyl peptide receptor. <i>FEBS Letters</i> , 2008 , 582, 1141-6	3.8	33
126	Hyaluronan Hybrid Cooperative Complexes as a Novel Frontier for Cellular Bioprocesses Re-Activation. <i>PLoS ONE</i> , 2016 , 11, e0163510	3.7	33
125	Discovery and biological evaluation of novel 1,4-benzoquinone and related resorcinol derivatives that inhibit 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2013 , 67, 269-79	6.8	32
124	High cell density cultivation of a recombinant <i>E. coli</i> strain expressing a key enzyme in bioengineered heparin production. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 3893-900	5.7	32
123	5RMethylthioadenosine phosphorylase from <i>Caldariella acidophila</i> . Purification and properties. <i>FEBS Journal</i> , 1979 , 101, 317-24		32
122	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. <i>European Journal of Medicinal Chemistry</i> , 2015 , 94, 132-9	6.8	31
121	Biochemical rationale for the use of CDPcholine in traumatic brain injury: pharmacokinetics of the orally administered drug. <i>Journal of the Neurological Sciences</i> , 1991 , 103 Suppl, S19-25	3.2	31
120	Archaeobacterial elongation factor Tu insensitive to pulvomycin and kirromycin. <i>FEBS Letters</i> , 1982 , 148, 255-9	3.8	31
119	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , 2017 , 958, 59-70	6.6	30
118	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> , 2016 , 68, 565-572	8.3	30

117	Production of glucuronic acid-based polysaccharides by microbial fermentation for biomedical applications. <i>Biotechnology Journal</i> , 2012 , 7, 237-50	5.6	30
116	Isolation of an Escherichia coli K4 kfoC mutant over-producing capsular chondroitin. <i>Microbial Cell Factories</i> , 2010 , 9, 34	6.4	30
115	High-yield cultivation of Marinococcus M52 for production and recovery of hydroxyectoine. <i>Research in Microbiology</i> , 2006 , 157, 693-9	4	30
114	Hyaluronan scaffolds via diglycidyl ether crosslinking: toward improvements in composition and performance. <i>Carbohydrate Polymers</i> , 2013 , 96, 536-44	10.3	29
113	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> , 2013 , 99, 125-35	10.8	29
112	A urokinase receptor-derived peptide inhibiting VEGF-dependent directional migration and vascular sprouting. <i>Molecular Cancer Therapeutics</i> , 2013 , 12, 1981-93	6.1	29
111	Asymmetric reduction of ketones with resting cells of Sulfolobus solfataricus. <i>Biotechnology and Bioengineering</i> , 1990 , 35, 559-64	4.9	29
110	Trehalose in Archaeobacteria. <i>Systematic and Applied Microbiology</i> , 1988 , 10, 215-217	4.2	29
109	Lipid structures in the Caldariella group of extreme thermoacidophile bacteria. <i>Journal of the Chemical Society Chemical Communications</i> , 1977 , 514		29
108	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> , 2012 , 18, 2123-30	4.8	27
107	Purification and characterization of a thermostable carboxylesterase from the thermoacidophilic eubacterium Bacillus acidocaldarius. <i>FEBS Journal</i> , 1994 , 221, 965-72		27
106	Inflammation and N-formyl peptide receptors mediate the angiogenic activity of human vitreous humour in proliferative diabetic retinopathy. <i>Diabetologia</i> , 2017 , 60, 719-728	10.3	26
105	European chondroitin sulfate and glucosamine food supplements: A systematic quality and quantity assessment compared to pharmaceuticals. <i>Carbohydrate Polymers</i> , 2019 , 222, 114984	10.3	26
104	Trehalose production at high temperature exploiting an immobilized cell bioreactor. <i>Extremophiles</i> , 2002 , 6, 341-7	3	25
103	Valorization of Olive Mill Wastewater by Membrane Processes to Recover Natural Antioxidant Compounds for Cosmeceutical and Nutraceutical Applications or Functional Foods. <i>Antioxidants</i> , 2018 , 7,	7.1	24
102	High-performance CE of Escherichia coli K4 cell surface polysaccharides. <i>Electrophoresis</i> , 2009 , 30, 3877-83	9.3	24
101	Hyaluronan-based hydrogels as dermal fillers: The biophysical properties that translate into a "volumetric" effect. <i>PLoS ONE</i> , 2019 , 14, e0218287	3.7	23
100	Improved fructosylated chondroitin production by kfoC overexpression in E. coli K4. <i>Journal of Biotechnology</i> , 2010 , 150, 324-31	3.7	23

99	Different effects of microwave energy and conventional heat on the activity of a thermophilic β -galactosidase from <i>Bacillus acidocaldarius</i> . <i>Bioelectromagnetics</i> , 1999 , 20, 172-176	1.6	23
98	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> , 2019 , 2019, 4328219	3	22
97	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> , 2016 , 22, 18215-18226	4.8	22
96	Innovative fermentation strategies for the production of extremophilic enzymes. <i>Extremophiles</i> , 2001 , 5, 193-8	3	22
95	A complex lipid with a cyclic phosphate from the archaeobacterium <i>Natronococcus occultus</i> . <i>Lipids and Lipid Metabolism</i> , 1989 , 1001, 31-34		22
94	New insight into chondroitin and heparosan-like capsular polysaccharide synthesis by profiling of the nucleotide sugar precursors. <i>Bioscience Reports</i> , 2017 , 37,	4.1	21
93	The amino acid sequence of glutamate dehydrogenase from <i>Pyrococcus furiosus</i> , a hyperthermophilic archaeobacterium. <i>The Protein Journal</i> , 1994 , 13, 253-9		21
92	Hyaluronan dermal fillers via crosslinking with 1,4-butanediol diglycidyl ether: Exploitation of heterogeneous reaction conditions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 9-18	3.5	20
91	Cyclohexa-2,5-diene-1,4-dione-based antiproliferative agents: design, synthesis, and cytotoxic evaluation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013 , 32, 24	12.8	20
90	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> , 2015 , 10, 1307-15	5.6	20
89	Transport and metabolism of double-labelled CDPcholine in mammalian tissues. <i>Biochemical Pharmacology</i> , 1985 , 34, 4121-30	6	20
88	The Urokinase Receptor-Derived Peptide UPARANT Mitigates Angiogenesis in a Mouse Model of Laser-Induced Choroidal Neovascularization 2016 , 57, 2600-2611		20
87	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulose and blocks bronchoconstriction and inflammation in vivo. <i>Biochemical Pharmacology</i> , 2016 , 112, 60-71	6	20
86	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> , 2014 , 81, 492-8	6.8	19
85	S-adenosylhomocysteine hydrolase from the thermophilic archaeon <i>Sulfolobus solfataricus</i> : purification, physico-chemical and immunological properties. <i>BBA - Proteins and Proteomics</i> , 1993 , 1164, 179-88		19
84	Complex lipids from <i>Desulfurococcus mobilis</i> , a sulfur-reducing archaeobacterium. <i>Lipids and Lipid Metabolism</i> , 1987 , 922, 95-102		19
83	Cyclic diether lipids from very thermophilic acidophilic bacteria. <i>Journal of the Chemical Society Chemical Communications</i> , 1974 , 543		19
82	Comparative Analyses of Pharmaceuticals or Food Supplements Containing Chondroitin Sulfate: Are Their Bioactivities Equivalent?. <i>Advances in Therapy</i> , 2019 , 36, 3221-3237	4.1	18

81	Monosaccharide precursors for boosting chondroitin-like capsular polysaccharide production. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 1699-709	5.7	18
80	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> , 1996 , 7, 299-308	2	18
79	¹ H and ¹³ C NMR assignment of benzothiophenquinones from the sulfur-oxidizing archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Journal</i> , 1986 , 160, 37-40		18
78	Synthesis of 24,28-didehydroaplysterol and X-ray crystal structure of aplysterol: unusual marine sterols. <i>Journal of the Chemical Society Chemical Communications</i> , 1973 , 825		18
77	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 715-726	6.8	17
76	Purification of chondroitin precursor from <i>Escherichia coli</i> K4 fermentation broth using membrane processing. <i>Biotechnology Journal</i> , 2011 , 6, 410-9	5.6	17
75	Effects of low concentrations of benzene on human lung cells in vitro. <i>Toxicology Letters</i> , 2009 , 188, 130-44	4	17
74	Stabilization of S-adenosyl-L-methionine promoted by trehalose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1573, 105-8	4	17
73	Molecular Mechanisms Mediating Antiangiogenic Action of the Urokinase Receptor-Derived Peptide UPARANT in Human Retinal Endothelial Cells 2016 , 57, 5723-5735		17
72	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> , 2018 , 18, 18	3.5	16
71	S-adenosylmethionine decarboxylase from the thermophilic archaeobacterium <i>Sulfolobus solfataricus</i> . Purification, molecular properties and studies on the covalently bound pyruvate. <i>FEBS Journal</i> , 1991 , 199, 395-400		16
70	Isolation of a thermostable enzyme catalyzing disulfide bond formation from the archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Letters</i> , 1992 , 303, 27-30	3.8	16
69	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> , 2018 , 10, 1575-1585	5.6	16
68	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> , 2016 , 108, 466-475	6.8	15
67	Specificity effects in the biosynthesis of fatty acids in <i>Bacillus acidocaldarius</i> . <i>Phytochemistry</i> , 1974 , 13, 905-910	4	15
66	Hyaluronan hydrogels with a low degree of modification as scaffolds for cartilage engineering. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 978-989	7.9	14
65	Hyaluronic acid and chondroitin sulfate, alone or in combination, efficiently counteract induced bladder cell damage and inflammation. <i>PLoS ONE</i> , 2019 , 14, e0218475	3.7	14
64	Properties of newly-synthesized cationic semi-interpenetrating hydrogels containing either hyaluronan or chondroitin sulfate in a methacrylic matrix. <i>Journal of Functional Biomaterials</i> , 2012 , 3, 225-38	4.8	14

63	Immobilized <i>Proteus mirabilis</i> in poly(vinyl alcohol) cryogels for L-carnitine production. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 507-512	3.8	14
62	Inhibiting the urokinase-type plasminogen activator receptor system recovers STZ-induced diabetic nephropathy. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 1034-1049	5.6	14
61	The Urokinase Receptor-Derived Peptide UPARANT Recovers Dysfunctional Electroretinogram and Blood-Retinal Barrier Leakage in a Rat Model of Diabetes 2017 , 58, 3138-3148		13
60	Biotechnological transformation of hydrocortisone to 16 β -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1291-9	5.7	13
59	Secondary structure features of ribosomal RNA species within intact ribosomal subunits and efficiency of RNA-protein interactions in thermoacidophilic (<i>Caldariella acidophila</i> , <i>Bacillus acidocaldarius</i>) and mesophilic (<i>Escherichia coli</i>) bacteria. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1983 , 740, 300-12		13
58	Studies on enzyme-substrate interactions of cholinephosphotransferase from rat liver. <i>Lipids and Lipid Metabolism</i> , 1985 , 836, 222-32		13
57	Incorporation of labelled glycerols into ether lipids in <i>Caldariella acidophila</i> . <i>Phytochemistry</i> , 1982 , 21, 595-599	4	13
56	DNA-dependent RNA polymerase from the thermophilic bacterium <i>Caldariella acidophila</i> . Purification and basic properties of the enzyme. <i>Biochemistry</i> , 1976 , 15, 1692-6	3.2	13
55	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> , 2017 , 2017, 2904150	3.9	12
54	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> , 2019 , 180, 637-647	6.8	12
53	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> , 2014 , 15, 1524-32	4.6	12
52	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , 2018 , 8, 13773	4.9	12
51	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> , 2018 , 155, 946-960	6.8	12
50	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> , 2019 , 23, 5176-5192	5.6	11
49	Isoprenoid triether lipids from <i>Caldariella</i> . <i>Phytochemistry</i> , 1976 , 15, 1995-1996	4	11
48	Preclinical evaluation of the urokinase receptor-derived peptide UPARANT as an anti-inflammatory drug. <i>Inflammation Research</i> , 2017 , 66, 701-709	7.2	10
47	Advances in the 16 β -hydroxy transformation of hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Process Biochemistry</i> , 2016 , 51, 1-8	4.8	10
46	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> , 2018 , 2018, 8481243	3	10

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