

# Mario De Rosa

## List of Publications by Year in descending order

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188  
papers

8,178  
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53794

45  
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64796

79  
g-index

191  
all docs

191  
docs citations

191  
times ranked

7882  
citing authors

#	ARTICLE	IF	CITATIONS
1	The lipids of archaeobacteria. <i>Progress in Lipid Research</i> , 1988, 27, 153-175.	11.6	439
2	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, 418-424.	1.8	424
3	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.	5.5	379
4	Trehalose production: exploiting novel approaches. <i>Trends in Biotechnology</i> , 2002, 20, 420-425.	9.3	224
5	Effects of temperature on ether lipid composition of <i>Caldariella acidophila</i> . <i>Phytochemistry</i> , 1980, 19, 827-831.	2.9	202
6	The production of biocatalysts and biomolecules from extremophiles. <i>Trends in Biotechnology</i> , 2002, 20, 515-521.	9.3	195
7	Structure and polymorphism of bipolar isopranyl ether lipids from archaeobacteria. <i>Journal of Molecular Biology</i> , 1985, 182, 131-149.	4.2	178
8	Non-thermal effects of microwaves on proteins: thermophilic enzymes as model system. <i>FEBS Letters</i> , 1997, 402, 102-106.	2.8	178
9	Thermostable beta-galactosidase from the archaeobacterium <i>Sulfolobus solfataricus</i> Purification and properties. <i>FEBS Journal</i> , 1990, 187, 321-328.	0.2	163
10	Effect of isoprenoid cyclization on the transition temperature of lipids in thermophilic archaeobacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 735, 234-242.	2.6	148
11	Chemical structure of the ether lipids of thermophilic acidophilic bacteria of the <i>Caldariella</i> group. <i>Phytochemistry</i> , 1977, 16, 1961-1965.	2.9	130
12	Production of chondroitin sulfate and chondroitin. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1209-1220.	3.6	118
13	Perspectives on biotechnological applications of archaea. <i>Archaea</i> , 2002, 1, 75-86.	2.3	110
14	Monolayer black membranes from bipolar lipids of archaeobacteria and their temperature-induced structural changes. <i>Journal of Membrane Biology</i> , 1983, 75, 45-56.	2.1	107
15	Thermostable NAD <sup>+</sup> -dependent alcohol dehydrogenase from <i>Sulfolobus solfataricus</i> : gene and protein sequence determination and relationship to other alcohol dehydrogenases. <i>Biochemistry</i> , 1992, 31, 12514-12523.	2.5	103
16	Extremely thermostable glutamate dehydrogenase from the hyperthermophilic archaeobacterium <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 1991, 202, 1189-1196.	0.2	98
17	Structure of calditol, a new branched-chain nonitol, and of the derived tetraether lipids in thermoacidophile archaeobacteria of the <i>Caldariella</i> group. <i>Phytochemistry</i> , 1980, 19, 249-254.	2.9	91
18	Development of hybrid materials based on hydroxyethylmethacrylate as supports for improving cell adhesion and proliferation. <i>Biomaterials</i> , 2004, 25, 3645-3653.	11.4	84

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19	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.	3.0	83
20	A novel archaeobacterial NAD <sup>+</sup> -dependent alcohol dehydrogenase. Purification and properties. <i>FEBS Journal</i> , 1987, 167, 475-479.	0.2	81
21	Complex lipids of <i>Caldariella acidophila</i> , a thermoacidophile archaeobacterium. <i>Phytochemistry</i> , 1980, 19, 821-825.	2.9	80
22	Structural regularities in tetraether lipids of <i>Caldariella</i> and their biosynthetic and phyletic implications. <i>Phytochemistry</i> , 1980, 19, 833-836.	2.9	80
23	Caldariellaquinone, 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.	0.9	79
24	A complete hyaluronan hydrodynamic characterization using a size exclusion chromatographyâ€“triple detector array system during in vitro enzymatic degradation. <i>Analytical Biochemistry</i> , 2010, 404, 21-29.	2.4	73
25	Glutamate dehydrogenase from the thermoacidophilic archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Journal</i> , 1991, 196, 459-467.	0.2	72
26	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, 90-98.	4.7	70
27	Unique Features of Lipids of Archaea. <i>Systematic and Applied Microbiology</i> , 1993, 16, 518-527.	2.8	69
28	Identification and Molecular Characterization of the First Î±-Xylosidase from an Archaeon. <i>Journal of Biological Chemistry</i> , 2000, 275, 22082-22089.	3.4	68
29	Is molecular size a discriminating factor in hyaluronan interaction with human cells?. <i>Carbohydrate Polymers</i> , 2017, 157, 21-30.	10.2	68
30	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, 81-87.	0.2	66
31	Production of capsular polysaccharide from <i>Escherichia coli</i> K4 for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1779-1787.	3.6	66
32	Optimization of hyaluronan-based eye drop formulations. <i>Carbohydrate Polymers</i> , 2016, 153, 275-283.	10.2	63
33	A Microbiologicalâ€“Chemical Strategy to Produce Chondroitin Sulfate A,C. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6160-6163.	13.8	60
34	High cell density cultivation of probiotics and lactic acid production. <i>Biotechnology and Bioengineering</i> , 2003, 82, 213-222.	3.3	59
35	<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.	3.3	57
36	Methods for Cancer Stem Cell Detection and Isolation. <i>Methods in Molecular Biology</i> , 2012, 879, 513-529.	0.9	56

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37	Purification and characterization of the alcohol dehydrogenase from a novel strain of <i>Bacillus stearothermophilus</i> growing at 70°C. <i>International Journal of Biochemistry and Cell Biology</i> , 1996, 28, 239-246.	2.8	55
38	<sup>13</sup> C-NMR assignments and biosynthetic data for the ether lipids of <i>Caldariella</i> . <i>Phytochemistry</i> , 1977, 16, 1909-1912.	2.9	53
39	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.	1.6	52
40	A Novel Injectable Poly( $\epsilon$ -caprolactone)/Calcium Sulfate System for Bone Regeneration: Synthesis and Characterization. <i>Macromolecular Bioscience</i> , 2005, 5, 1108-1117.	4.1	51
41	Biotechnological Chondroitin a Novel Glycosaminoglycan With Remarkable Biological Function on Human Primary Chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2158-2169.	2.6	50
42	Lipids of <i>Thermococcus celer</i> , a sulfur-reducing archaeobacterium: Structure and biosynthesis. <i>Systematic and Applied Microbiology</i> , 1987, 9, 1-5.	2.8	48
43	Homologous overexpression of <i>rfaH</i> in <i>E. coli</i> K4 improves the production of chondroitin-like capsular polysaccharide. <i>Microbial Cell Factories</i> , 2013, 12, 46.	4.0	48
44	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, 2708-2717.	4.1	47
45	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, 349-357.	2.3	46
46	Hyaluronan Hybrid Cooperative Complexes as a Novel Frontier for Cellular Bioprocesses Re-Activation. <i>PLoS ONE</i> , 2016, 11, e0163510.	2.5	46
47	Hyaluronan-based hydrogels as dermal fillers: The biophysical properties that translate into a volumetric effect. <i>PLoS ONE</i> , 2019, 14, e0218287.	2.5	46
48	Distribution of Complex and Core Lipids within New Hyperthermophilic Members of the Archaea Domain. <i>Systematic and Applied Microbiology</i> , 1992, 15, 11-17.	2.8	45
49	Cationic polyelectrolyte hydrogel fosters fibroblast spreading, proliferation, and extracellular matrix production: Implications for tissue engineering. <i>Journal of Cellular Physiology</i> , 2004, 198, 133-143.	4.1	45
50	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.	4.0	45
51	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.	5.8	45
52	Regularity of isoprenoid biosynthesis in the ether lipids of archaeobacteria. <i>Phytochemistry</i> , 1980, 19, 791-793.	2.9	44
53	Enzyme-catalyzed synthesis of alkyl <sup>12</sup> C-glycosides with crude homogenate of <i>Sulfolobus solfataricus</i> . <i>Biotechnology Letters</i> , 1991, 13, 235-240.	2.2	44
54	Ectoine from halophilic microorganisms induces the expression of hsp70 and hsp70 in human keratinocytes modulating the proinflammatory response. <i>Cell Stress and Chaperones</i> , 2005, 10, 197.	2.9	44

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55	European chondroitin sulfate and glucosamine food supplements: A systematic quality and quantity assessment compared to pharmaceuticals. <i>Carbohydrate Polymers</i> , 2019, 222, 114984.	10.2	44
56	Archaeal lipids: structural features and supramolecular organization. <i>Thin Solid Films</i> , 1996, 284-285, 13-17.	1.8	43
57	Structure-activity relationship study of arbidol derivatives as inhibitors of chikungunya virus replication. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6014-6025.	3.0	43
58	A range of ether core lipids from the methanogenic archaeobacterium <i>Methanosarcina barkeri</i> . <i>Lipids and Lipid Metabolism</i> , 1986, 875, 487-492.	2.6	42
59	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.	7.3	41
60	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.	5.4	40
61	The biosynthetic pathway of new polyamines in <i>Caldariella acidophila</i> . <i>Biochemical Journal</i> , 1978, 176, 1-7.	3.7	39
62	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.	2.0	39
63	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, 125-135.	4.1	39
64	UPARANT: A Urokinase Receptor-Derived Peptide Inhibitor of VEGF-Driven Angiogenesis with Enhanced Stability and <i>In Vitro</i> and <i>In Vivo</i> Potency. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1092-1104.	4.1	39
65	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, 72.	5.1	39
66	Isoprenoids of <i>Bacillus acidocaldarius</i> . <i>Phytochemistry</i> , 1973, 12, 1117-1123.	2.9	38
67	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, 19-25.	0.6	37
68	High-yield cultivation of <i>Marinococcus M52</i> for production and recovery of hydroxyectoine. <i>Research in Microbiology</i> , 2006, 157, 693-699.	2.1	37
69	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, 269-279.	5.5	37
70	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, 3893-3900.	3.6	37
71	Hyaluronan scaffolds via diglycidyl ether crosslinking: Toward improvements in composition and performance. <i>Carbohydrate Polymers</i> , 2013, 96, 536-544.	10.2	37
72	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , 2015, 16, 2237-2245.	5.4	37

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73	Archaeobacterial elongation factor Tu insensitive to pulvomycin and kirromycin. FEBS Letters, 1982, 148, 255-259.	2.8	36
74	An urokinase receptor antagonist that inhibits cell migration by blocking the formyl peptide receptor. FEBS Letters, 2008, 582, 1141-1146.	2.8	36
75	Isolation of an Escherichia coli K4 kfoC mutant over-producing capsular chondroitin. Microbial Cell Factories, 2010, 9, 34.	4.0	36
76	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. European Journal of Medicinal Chemistry, 2015, 94, 132-139.	5.5	36
77	5'-Methylthioadenosine Phosphorylase from Caldariella acidophila. Purification and Properties. FEBS Journal, 1979, 101, 317-324.	0.2	34
78	Properties of the elongation factor 1alpha in the thermoacidophilic archaeobacterium Sulfolobus solfataricus. FEBS Journal, 1991, 199, 529-537.	0.2	34
79	Innovative fermentation strategies for the production of extremophilic enzymes. Extremophiles, 2001, 5, 193-198.	2.3	34
80	New insight into chondroitin and heparosan-like capsular polysaccharide synthesis by profiling of the nucleotide sugar precursors. Bioscience Reports, 2017, 37, .	2.4	33
81	Inflammation and N-formyl peptide receptors mediate the angiogenic activity of human vitreous humour in proliferative diabetic retinopathy. Diabetologia, 2017, 60, 719-728.	6.3	33
82	Trehalose in Archaeobacteria. Systematic and Applied Microbiology, 1988, 10, 215-217.	2.8	32
83	Purification and characterization of a thermostable carboxylesterase from the thermoacidophilic eubacterium Bacillus acidocaldarius. FEBS Journal, 1994, 221, 965-972.	0.2	32
84	Asymmetric reduction of ketones with resting cells of Sulfolobus solfataricus. Biotechnology and Bioengineering, 1990, 35, 559-564.	3.3	31
85	Production of glucuronic acid-based polysaccharides by microbial fermentation for biomedical applications. Biotechnology Journal, 2012, 7, 237-250.	3.5	31
86	High-performance CE of Escherichia coli K4 cell surface polysaccharides. Electrophoresis, 2009, 30, 3877-3883.	2.4	30
87	Lipid structures in the Caldariella group of extreme thermoacidophile bacteria. Journal of the Chemical Society Chemical Communications, 1977, , 514.	2.0	29
88	Improved fructosylated chondroitin production by kfoC overexpression in E. coli K4. Journal of Biotechnology, 2010, 150, 324-331.	3.8	29
89	A Urokinase Receptor-Derived Peptide Inhibiting VEGF-Dependent Directional Migration and Vascular Sprouting. Molecular Cancer Therapeutics, 2013, 12, 1981-1993.	4.1	29
90	Engineering a branch of the UDP-glucose precursor biosynthesis pathway enhances the production of capsular polysaccharide in Escherichia coli O5:K4:H4. Biotechnology Journal, 2015, 10, 1307-1315.	3.5	29

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91	Novel Hybrid Gels Made of High and Low Molecular Weight Hyaluronic Acid Induce Proliferation and Reduce Inflammation in an Osteoarthritis <i>In Vitro</i> Model Based on Human Synovioocytes and Chondrocytes. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	29
92	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, 2123-2130.	3.3	28
93	A complex lipid with a cyclic phosphate from the archaeobacterium <i>Natronococcus occultus</i> . <i>Lipids and Lipid Metabolism</i> , 1989, 1001, 31-34.	2.6	27
94	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.	5.5	27
95	Trehalose production at high temperature exploiting an immobilized cell bioreactor. <i>Extremophiles</i> , 2002, 6, 341-347.	2.3	26
96	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.	8.6	26
97	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulo and blocks bronchoconstriction and inflammation <i>in vivo</i> . <i>Biochemical Pharmacology</i> , 2016, 112, 60-71.	4.4	25
98	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 715-726.	5.5	25
99	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.	3.3	24
100	Comparative Analyses of Pharmaceuticals or Food Supplements Containing Chondroitin Sulfate: Are Their Bioactivities Equivalent?. <i>Advances in Therapy</i> , 2019, 36, 3221-3237.	2.9	24
101	Hyaluronic acid and chondroitin sulfate, alone or in combination, efficiently counteract induced bladder cell damage and inflammation. <i>PLoS ONE</i> , 2019, 14, e0218475.	2.5	24
102	Cyclic diether lipids from very thermophilic acidophilic bacteria. <i>Journal of the Chemical Society Chemical Communications</i> , 1974, , 543.	2.0	23
103	Complex lipids from <i>Desulfurococcus mobilis</i> , a sulfur-reducing archaeobacterium. <i>Lipids and Lipid Metabolism</i> , 1987, 922, 95-102.	2.6	23
104	Different effects of microwave energy and conventional heat on the activity of a thermophilic $\beta$ -D-galactosidase from <i>Bacillus acidocaldarius</i> . <i>Bioelectromagnetics</i> , 1999, 20, 172-176.	1.6	23
105	The Urokinase Receptor-Derived Peptide UPARANT Mitigates Angiogenesis in a Mouse Model of Laser-Induced Choroidal Neovascularization. , 2016, 57, 2600.		23
106	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.	5.5	23
107	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.	3.4	23
108	Stabilization of S-adenosyl-L-methionine promoted by trehalose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 105-108.	2.4	22

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109	Monosaccharide precursors for boosting chondroitin-like capsular polysaccharide production. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1699-1709.	3.6	22
110	Hyaluronan hydrogels with a low degree of modification as scaffolds for cartilage engineering. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 978-989.	7.5	22
111	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.	3.3	22
112	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.	3.6	22
113	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.	3.1	22
114	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.	2.0	21
115	Transport and metabolism of double-labelled CDPcholine in mammalian tissues. <i>Biochemical Pharmacology</i> , 1985, 34, 4121-4130.	4.4	21
116	<sup>1</sup> H and <sup>13</sup> C NMR assignment of benzothiophenquinones from the sulfur-oxidizing archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Journal</i> , 1986, 160, 37-40.	0.2	21
117	The amino acid sequence of glutamate dehydrogenase from <i>Pyrococcus furiosus</i> , a hyperthermophilic archaeobacterium. <i>The Protein Journal</i> , 1994, 13, 253-259.	1.1	21
118	Purification of chondroitin precursor from <i>Escherichia coli</i> K4 fermentation broth using membrane processing. <i>Biotechnology Journal</i> , 2011, 6, 410-419.	3.5	21
119	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, 492-498.	5.5	21
120	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, 179-188.	2.1	20
121	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.	1.3	20
122	Effects of low concentrations of benzene on human lung cells in vitro. <i>Toxicology Letters</i> , 2009, 188, 130-136.	0.8	20
123	Isolation of a thermostable enzyme catalyzing disulfide bond formation from the archaeobacterium <i>Sulfolobus solfataricus</i> . <i>FEBS Letters</i> , 1992, 303, 27-30.	2.8	19
124	Biotechnological transformation of hydrocortisone to 16 $\alpha$ -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1291-1299.	3.6	19
125	Molecular Mechanisms Mediating Antiangiogenic Action of the Urokinase Receptor-Derived Peptide UPARANT in Human Retinal Endothelial Cells. , 2016, 57, 5723.		19
126	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.	5.5	18



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127	Positive Effects against UV-A Induced Damage and Oxidative Stress on an <i>In Vitro</i> Cell Model Using a Hyaluronic Acid Based Formulation Containing Amino Acids, Vitamins, and Minerals. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	18
128	Specificity effects in the biosynthesis of fatty acids in <i>Bacillus acidocaldarius</i> . <i>Phytochemistry</i> , 1974, 13, 905-910.	2.9	17
129	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.	0.2	17
130	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, 1-18.	2.3	17
131	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</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Regulatory Mechanisms. 1983, 740, 300-312.	2.4	16
132	Incorporation of labelled glycerols into ether lipids in <i>Caldariella acidophila</i> . <i>Phytochemistry</i> , 1982, 21, 595-599.	2.9	15
133	Organization and dynamics of bipolar lipids from <i>Sulfolobus solfataricus</i> in bulk phases and in monolayer membranes. <i>Systematic and Applied Microbiology</i> , 1986, 7, 266-271.	2.8	15
134	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, 225-238.	4.4	15
135	Studies on enzyme-substrate interactions of cholinephosphotransferase from rat liver. <i>Lipids and Lipid Metabolism</i> , 1985, 836, 222-232.	2.6	14
136	Immobilized <i>Proteus mirabilis</i> in poly(vinyl alcohol) cryogels for l(âˆ™)-carnitine production. <i>Enzyme and Microbial Technology</i> , 2003, 32, 507-512.	3.2	14
137	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, 1524-1532.	3.4	14
138	The Urokinase Receptor-Derived Peptide UPARANT Recovers Dysfunctional Electroretinogram and Bloodâ€™Retinal Barrier Leakage in a Rat Model of Diabetes. , 2017, 58, 3138.		14
139	The urokinaseâ€™type plasminogen activator system as drug target in retinitis pigmentosa: New preâ€™clinical evidence in the rd10 mouse model. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5176-5192.	3.6	14
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