Barbara Nicolaus

List of Publications by Year
in descending order

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147 papers	6,423 citations	53794 45 h-index	76900 74 g-index

152 all docs	152 docs citations	152 times ranked	5730 citing authors

#	Article	IF	Citations
1	Bacterial Exopolysaccharides from Extreme Marine Habitats: Production, Characterization and Biological Activities. Marine Drugs, 2010, 8, 1779-1802.	4.6	332
2	Exopolysaccharides from extremophiles: from fundamentals to biotechnology. Environmental Technology (United Kingdom), 2010, 31, 1145-1158.	2.2	228
3	Synthesis, Production, and Biotechnological Applications of Exopolysaccharides and Polyhydroxyalkanoates by Archaea. Archaea, 2011, 2011, 1-13.	2.3	228
4	Effects of temperature on ether lipid composition of Caldariella acidophila. Phytochemistry, 1980, 19, 827-831.	2.9	202
5	Biosorption of Cd, Cu, Ni, Mn and Zn from aqueous solutions by thermophilic bacteria, Geobacillus toebii sub.sp. decanicus and Geobacillus thermoleovorans sub.sp. stromboliensis: Equilibrium, kinetic and thermodynamic studies. Chemical Engineering Journal, 2009, 152, 195-206.	12.7	195
6	High level synthesis of levan by a novel Halomonas species growing on defined media. Carbohydrate Polymers, 2009, 78, 651-657.	10.2	189
7	Chemical composition and production of exopolysaccharides from representative members of heterocystous and non-heterocystous cyanobacteria. Phytochemistry, 1999, 52, 639-647.	2.9	154
8	Isoprenoid ethers; backbone of complex lipids of the archaebacterium Sulfolobus solfataricus. Lipids and Lipid Metabolism, 1983, 753, 249-256.	2.6	134
9	Microbial Diversity in Extreme Marine Habitats and Their Biomolecules. Microorganisms, 2017, 5, 25.	3.6	133
10	Fermentation Technologies for the Optimization of Marine Microbial Exopolysaccharide Production. Marine Drugs, 2014, 12, 3005-3024.	4.6	129
11	Molasses as fermentation substrate for levan production by Halomonas sp.. Applied Microbiology and Biotechnology, 2011, 89, 1729-1740.	3.6	127
12	Purification and characterization of thermostable xylanase and Î²-xylosidase by the thermophilic bacterium Bacillus thermantarcticus. Research in Microbiology, 2004, 155, 283-289.	2.1	107
13	Halomonas alkaliantarctica sp. nov., isolated from saline lake Cape Russell in Antarctica, an alkalophilic moderately halophilic, exopolysaccharide-producing bacterium. Systematic and Applied Microbiology, 2007, 30, 31-38.	2.8	102
14	Flocculating performances of exopolysaccharides produced by a halophilic bacterial strain cultivated on agro-industrial waste. Bioresource Technology, 2011, 102, 1788-1794.	9.6	102
15	Production and Biotechnological Potential of Extracellular Polymeric Substances from Sponge-Associated Antarctic Bacteria. Applied and Environmental Microbiology, 2018, 84, .	3.1	101
16	Title is missing!. Biotechnology Letters, 2002, 24, 515-519.	2.2	97
17	Plant growth-promoting effects of rhizospheric and endophytic bacteria associated with different tomato cultivars and new tomato hybrids. Chemical and Biological Technologies in Agriculture, 2016, 3, .	4.6	88
18	Production and characterization of a microbial glucan, synthesized by Geobacillus tepidamans V264 isolated from Bulgarian hot spring. Carbohydrate Polymers, 2009, 77, 338-343.	10.2	87

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19	Effect of growth conditions on endo- and exopolymer biosynthesis in Anabaena cylindrica 10 C. Phytochemistry, 1996, 42, 655-659.	2.9	84
20	Anoxybacillus amylolyticus sp. nov., a thermophilic amylase producing bacterium isolated from Mount Rittmann (Antarctica). Systematic and Applied Microbiology, 2006, 29, 300-307.	2.8	84
21	Complex lipids of Caldariella acidophila, a thermoacidophile archaebacterium. Phytochemistry, 1980, 19, 821-825.	2.9	80
22	Structural regularities in tetraether lipids of Caldariella and their biosynthetic and phyletic implications. Phytochemistry, 1980, 19, 833-836.	2.9	80
23	Halomonas smyrnensis sp. nov., a moderately halophilic, exopolysaccharide-producing bacterium. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 10-18.	1.7	80
24	Characterization of a Haloalkalophilic Strictly Aerobic Bacterium, Isolated from Pantelleria Island. Systematic and Applied Microbiology, 1996, 19, 326-333.	2.8	78
25	Halomonas alkaliphila sp. nov., a novel halotolerant alkaliphilic bacterium isolated from a salt pool in Campania (Italy). Journal of General and Applied Microbiology, 2006, 52, 339-348.	0.7	78
26	A Novel EPS-Producing Strain of Bacillus licheniformis Isolated from a Shallow Vent Off Panarea Island (Italy). Current Microbiology, 2013, 67, 21-29.	2.2	77
27	Anoxybacillus thermarum sp. nov., a novel thermophilic bacterium isolated from thermal mud in Euganean hot springs, Abano Terme, Italy. Extremophiles, 2009, 13, 867-874.	2.3	72
28	Unique Features of Lipids of Archaea. Systematic and Applied Microbiology, 1993, 16, 518-527.	2.8	69
29	The prebiotic source influences the growth, biochemical features and survival under simulated gastrointestinal conditions of the probiotic Lactobacillus acidophilus. Anaerobe, 2012, 18, 280-285.	2.1	69
30	Alicyclobacilli from an unexplored geothermal soil in Antarctica: Mount Rittmann. Polar Biology, 1998, 19, 133-141.	1.2	68
31	Halomonas campaniensis sp. nov., a haloalkaliphilic bacterium isolated from a mineral pool of Campania Region, Italy. Systematic and Applied Microbiology, 2005, 28, 610-618.	2.8	66
32	A Thermophilic Bacillus Isolated From an Eolian Shallow Hydrothermal Vent Able to Produce Exopolysaccharides. Systematic and Applied Microbiology, 2000, 23, 426-432.	2.8	65
33	Production and characterization of exopolysaccharides excreted by thermophilic bacteria from shallow, marine hydrothermal vents of flegrean ares (Italy). Systematic and Applied Microbiology, 2002, 25, 319-325.	2.8	65
34	Evaluation of industrial Saccharomyces cerevisiae strains for ethanol production from biomass. Biomass and Bioenergy, 2012, 45, 230-238.	5.7	63
35	Extracellular polymeric substances with metal adsorption capacity produced by Pseudoalteromonas sp. MER144 from Antarctic seawater. Environmental Science and Pollution Research, 2018, 25, 4667-4677.	5.3	60
36	The production of second generation bioethanol: The biotechnology potential of thermophilic bacteria. Journal of Cleaner Production, 2019, 233, 1410-1417.	9.3	59

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37	Haloterrigena hispanica sp. nov., an extremely halophilic archaeon from Fuente de Piedra, southern Spain. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1499-1503.	1.7	58
38	Production of an exopolysaccharide from two thermophilic archaea belonging to the genus Sulfolobus. FEMS Microbiology Letters, 1993, 109, 203-206.	1.8	55
39	Production and Properties of Two Novel Exopolysaccharides Synthesized by a Thermophilic Bacterium Aeribacillus pallidus 418. Applied Biochemistry and Biotechnology, 2013, 171, 31-43.	2.9	55
40	Biosorption of Heavy Metals (Cd²⁺, Cu²⁺, Co²⁺, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 amylolyticus</i>: Equilibrium and Kinetic Studies. Bioremediation Journal, 2013, 17, 86-96.	2.0	53
41	Vegetable wastes derived polysaccharides as natural eco-friendly plasticizers of sodium alginate. Carbohydrate Polymers, 2020, 229, 115427.	10.2	53
42	Heavy metal resistance of some thermophiles: potential use of Î±-amylase from Anoxybacillus amylolyticus as a microbial enzymatic bioassay. Research in Microbiology, 2009, 160, 99-106.	2.1	50
43	Exopolysaccharide production by a new Halomonas strain CRSS isolated from saline lake Cape Russell in Antarctica growing on complex and defined media. Biotechnology Letters, 2004, 26, 1635-1638.	2.2	48
44	Acetamide Derivatives with Antioxidant Activity and Potential Anti-Inflammatory Activity. Molecules, 2010, 15, 2028-2038.	3.8	48
45	Lipid profile: a useful chemotaxonomic marker for classification of a new cyanobacterium in Spirulina genus. Phytochemistry, 2000, 54, 289-294.	2.9	47
46	Purification and biochemical characterization of a poly(ADP-ribose) polymerase-like enzyme from the thermophilic archaeon Sulfolobus solfataricus. Biochemical Journal, 1998, 335, 441-447.	3.7	45
47	Purification and characterization of a protease produced by an aerobic haloalkaliphilic species belonging to the Salinivibrio genus. Research in Microbiology, 2005, 156, 478-484.	2.1	45
48	Cd, Cu, Ni, Mn and Zn resistance and bioaccumulation by thermophilic bacteria, Geobacillus toebii subsp. decanicus and Geobacillus thermoleovorans subsp. stromboliensis. World Journal of Microbiology and Biotechnology, 2012, 28, 155-163.	3.6	45
49	Exploring Marine Environments for the Identification of Extremophiles and Their Enzymes for Sustainable and Green Bioprocesses. Sustainability, 2019, 11, 149.	3.2	45
50	Regularity of isoprenoid biosynthesis in the ether lipids of archaebacteria. Phytochemistry, 1980, 19, 791-793.	2.9	44
51	Accumulation of Osmoprotectants and Lipid Pattern Modulation in Response to Growth Conditions by Halomonas pantelleriense. Systematic and Applied Microbiology, 2001, 24, 342-352.	2.8	44
52	Planococcus rifietensis sp. nov, Isolated from Algal Mat Collected from a Sulfurous Spring in Campania (Italy). Systematic and Applied Microbiology, 2003, 26, 357-366.	2.8	44
53	Halobacillus alkaliphilus sp. nov., a halophilic bacterium isolated from a salt lake in Fuente de Piedra, southern Spain. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 886-890.	1.7	41
54	Shallow hydrothermal vents in the southern Tyrrhenian Sea. Chemistry and Ecology, 2010, 26, 285-298.	1.6	40

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55	Biological Properties of Polyphenols Extracts from Agro Industryâ€™s Wastes. Waste and Biomass Valorization, 2018, 9, 1567-1578.	3.4	40
56	Geobacillus galactosidasius sp. nov., a new thermophilic galactosidase-producing bacterium isolated from compost. Systematic and Applied Microbiology, 2011, 34, 419-423.	2.8	39
57	Re-Use of Vegetable Wastes as Cheap Substrates for Extremophile Biomass Production. Waste and Biomass Valorization, 2011, 2, 103-111.	3.4	39
58	Lipid modulation by environmental stresses in two models of extremophiles isolated from Antarctica. Polar Biology, 2001, 24, 1-8.	1.2	37
59	Purification and some properties of a Î²-galactosidase from the thermoacidophilic Alicyclobacillus acidocaldarius subsp. rittmannii isolated from Antarctica. Enzyme and Microbial Technology, 2007, 40, 1570-1577.	3.2	36
60	Salinivibrio costicola subsp. alcaliphilus subsp. nov., a haloalkaliphilic aerobe from Campania Region (Italy). Systematic and Applied Microbiology, 2005, 28, 34-42.	2.8	35
61	Geobacillus toebii subsp. decanicus subsp. nov., a hydrocarbon-degrading, heavy metal resistant bacterium from hot compost. Journal of General and Applied Microbiology, 2006, 52, 223-234.	0.7	35
62	The structures of glycolipids isolated from the highly thermophilic bacterium Thermus thermophilus Samu-SA1. Glycobiology, 2006, 16, 766-775.	2.5	35
63	Antioxidative Activity and Lycopene and Î²-Carotene Contents in Different Cultivars of Tomato (Lycopersicon Esculentum). International Journal of Food Properties, 2007, 10, 321-329.	3.0	35
64	Antitumoral potential, antioxidant activity and carotenoid content of two Southern Italy tomato cultivars extracts: San Marzano and Corbarino. Journal of Cellular Physiology, 2018, 233, 1266-1277.	4.1	34
65	Purification, biochemical characterization and gene sequencing of a thermostable raw starch digesting Î±-amylase from Geobacillus thermoleovorans subsp. stromboliensis subsp. nov.. World Journal of Microbiology and Biotechnology, 2011, 27, 2425-2433.	3.6	33
66	Role of Bacterial Exopolysaccharides as Agents in Counteracting Immune Disorders Induced by Herpes Virus. Microorganisms, 2015, 3, 464-483.	3.6	33
67	Extracellular polymer substance synthesized by a halophilic bacterium Chromohalobacter canadensis 28. Applied Microbiology and Biotechnology, 2018, 102, 4937-4949.	3.6	33
68	The hemicellulose extract from Cynara cardunculus: a source of value-added biomolecules produced by xylanolytic thermozymes. Green Chemistry, 2016, 18, 2460-2472.	9.0	32
69	Production and characterization of exopolysaccharides by Geobacillus thermodenitrificans ArzA-6 and Geobacillus toebii ArzA-8 strains isolated from an Armenian geothermal spring. Extremophiles, 2018, 22, 725-737.	2.3	32
70	Asymmetric reduction of ketones with resting cells ofSulfolobus solfataricus. Biotechnology and Bioengineering, 1990, 35, 559-564.	3.3	31
71	Salinivibrio sharmensis sp. nov., a novel haloalkaliphilic bacterium from a saline lake in Ras Mohammed Park (Egypt). Extremophiles, 2011, 15, 213-220.	2.3	31
72	Isolation, characterization and optimization of EPSs produced by a cold-adaptedMarinobacterisolate from Antarctic seawater. Antarctic Science, 2019, 31, 69-79.	0.9	31

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73	Effects of Growth Temperature on the Polar Lipid Pattern and Fatty Acid Composition of Seven Thermophilic Isolates from the Antarctic Continent. Systematic and Applied Microbiology, 1995, 18, 32-36.	2.8	28
74	Halomonas sinaiensis sp. nov., a novel halophilic bacterium isolated from a salt lake inside Ras Muhammad Park, Egypt. Extremophiles, 2007, 11, 789-796.	2.3	28
75	Recent Advances in the Study of Marine Microbial Biofilm: From the Involvement of Quorum Sensing in Its Production up to Biotechnological Application of the Polysaccharide Fractions. Journal of Marine Science and Engineering, 2016, 4, 34.	2.6	28
76	Bioprospecting of exopolysaccharide-producing bacteria from different natural ecosystems for biopolymer synthesis from vinasse. Chemical and Biological Technologies in Agriculture, 2019, 6, .	4.6	28
77	Nesterenkonia aurantiaca sp. nov., an alkaliphilic actinobacterium isolated from Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1554-1560.	1.7	28
78	Glycolipids from Thermotoga maritima, a hyperthermophilic microorganism belonging to Bacteria domain. Lipids and Lipid Metabolism, 1992, 1124, 249-252.	2.6	27
79	Anoxybacillus kamchatkensis subsp. asaccharedens subsp. nov., a thermophilic bacterium isolated from a hot spring in Batman. Journal of General and Applied Microbiology, 2008, 54, 327-334.	0.7	26
80	Evaluation of the production of exopolysaccharides by newly isolated Halomonas strains from Tunisian hypersaline environments. International Journal of Biological Macromolecules, 2019, 138, 658-666.	7.5	26
81	Aeribacillus composti sp. nov., a thermophilic bacillus isolated from olive mill pomace compost. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4830-4835.	1.7	26
82	Tomato Derived Polysaccharides for Biotechnological Applications: Chemical and Biological Approaches. Molecules, 2008, 13, 1384-1398.	3.8	24
83	Polysaccharides from Wastes of Vegetable Industrial Processing: New Opportunities for Their Eco-Friendly Re-Use. , 0, , .		24
84	Geobacillus thermoleovorans subsp. stromboliensis subsp. nov., isolated from the geothermal volcanic environment. Journal of General and Applied Microbiology, 2005, 51, 183-189.	0.7	24
85	Degradative actions of microbial xylanolytic activities on hemicelluloses from rhizome of Arundo donax. AMB Express, 2014, 4, 55.	3.0	22
86	Thermophilic Geobacillus galactosidasius sp. nov. loaded Î³-Fe2O3 magnetic nanoparticle for the preconcentrations of Pb and Cd. Bioresource Technology, 2016, 201, 269-275.	9.6	21
87	Chemical-physical characterization of polyhydroxyalkanoates recovered by means of a simplified method from cultures of Halomonas campaniensis. World Journal of Microbiology and Biotechnology, 2008, 24, 1513-1519.	3.6	19
88	Structural Determination of the O-Chain Polysaccharide from the Lipopolysaccharide of the HaloalkaliphilicHalomonas pantelleriensis Bacterium. European Journal of Organic Chemistry, 2006, 2006, 1801-1808.	2.4	18
89	Vibrio coralliirubri sp. nov., a new species isolated from mucus of red coral (Corallium rubrum) collected at Procida island, Italy. Antonie Van Leeuwenhoek, 2018, 111, 1105-1115.	1.7	18
90	Structural characterization and functional properties of novel exopolysaccharide from the extremely halotolerant Halomonas elongata S6. International Journal of Biological Macromolecules, 2020, 164, 95-104.	7.5	18

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91	Immunochemical detection of ADP-ribosylating enzymes in the archaeon Sulfolobus solfataricus. FEBS Letters, 1996, 378, 199-201.	2.8	17
92	Purification and characterisation of a highly thermostable extracellular protease fromBacillus thermantarcticus, strain M1. Annals of Microbiology, 2008, 58, 253-259.	2.6	17
93	Evaluation of Antioxidant Properties, Total Phenolic Content, and Biological Activities of New Tomato Hybrids of Industrial Interest. Journal of Medicinal Food, 2012, 15, 483-489.	1.5	17
94	Prokaryotic Diversity of the Composting Thermophilic Phase: The Case of Ground Coffee Compost. Microorganisms, 2021, 9, 218.	3.6	17
95	Quinone Composition in Sulfolobus solfataricus Grown under Different Conditions. Systematic and Applied Microbiology, 1992, 15, 18-20.	2.8	16
96	Isolation of a new thermohalophilic Thermus thermophilus strain from hot spring, able to grow on a renewable source of polysaccharide. Biotechnology Letters, 2004, 26, 45-49.	2.2	16
97	A Polysaccharide from Tomato (Lycopersicon esculentum) Peels Affects NF-Î²B Activation in LPS-Stimulated J774 Macrophages. Journal of Natural Products, 2007, 70, 1636-1639.	3.0	16
98	Acinetobacter mesopotamicus sp. nov., Petroleum-degrading Bacterium, Isolated from Petroleum-Contaminated Soil in Diyarbakir, in the Southeast of Turkey. Current Microbiology, 2020, 77, 3192-3200.	2.2	16
99	Incorporation of labelled glycerols into ether lipids in Caldariella acidophila. Phytochemistry, 1982, 21, 595-599.	2.9	15
100	Structural Characterization of the Core Region of the Lipopolysaccharide from the HaloalkaliphilicHalomonas pantelleriensis: Identification of the Biological O-Antigen Repeating Unit. European Journal of Organic Chemistry, 2008, 2008, 721-728.	2.4	14
101	Structural determination of the O-chain polysaccharide from the haloalkaliphilic Halomonas alkaliantarctica bacterium strain CRSS. Carbohydrate Research, 2009, 344, 2051-2055.	2.3	14
102	Resistance and bioaccumulation of Cd2+, Cu2+, Co2+ and Mn2+ by thermophilic bacteria, Geobacillus thermantarcticus and Anoxybacillus amylolyticus. Annals of Microbiology, 2013, 63, 1379-1385.	2.6	14
103	Parageobacillus thermantarcticus, an Antarctic Cell Factory: From Crop Residue Valorization by Green Chemistry to Astrobiology Studies. Diversity, 2019, 11, 128.	1.7	13
104	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative BacteriumThermus thermophilus HB8. European Journal of Organic Chemistry, 2004, 2004, 5047-5054.	2.4	12
105	Bioactive Exopolysaccharides from the Cultured Cells of Tomato, Lycopersicon esculentum var. San Marzano. Journal of Natural Products, 2006, 69, 658-661.	3.0	12
106	Novel Psychrophiles and Exopolymers from Permafrost Thaw Lake Sediments. Microorganisms, 2020, 8, 1282.	3.6	12
107	Extremophiles in Antarctica. Italian Journal of Zoology, 2000, 67, 169-174.	0.6	11
108	Bioactivity of Tomato Hybrid Powder: Antioxidant Compounds and Their Biological Activities. Journal of Medicinal Food, 2013, 16, 351-356.	1.5	11

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109	Antioxidant and cytotoxic activities investigation of tomato seed extracts. Natural Product Research, 2014, 28, 764-768.	1.8	11
110	ADP-ribosylation reactions in Sulfolobus solfataricus, a thermoacidophilic archaeon. BBA - Proteins and Proteomics, 1995, 1246, 151-159.	2.1	10
111	Genome Sequence of Anoxybacillus thermarum AF/04 ^T , Isolated from the Euganean Hot Springs in Abano Terme, Italy. Genome Announcements, 2015, 3, .	0.8	10
112	Pb2+ Effects on Growth, Lipids, and Protein and DNA Profiles of the Thermophilic Bacterium Thermus Thermophilus. Microorganisms, 2016, 4, 45.	3.6	10
113	Survival and Adaptation of the Thermophilic Species Geobacillus thermantarcticus in Simulated Spatial Conditions. Origins of Life and Evolution of Biospheres, 2018, 48, 141-158.	1.9	10
114	Resistance and Raman spectroscopy analysis of Parageobacillus thermantarcticus spores after Î³-ray exposure. Extremophiles, 2018, 22, 931-941.	2.3	10
115	Productivity and Nutritional Trait Improvements of Different Tomatoes Cultivated with Effective Microorganisms Technology. Agriculture (Switzerland), 2021, 11, 112.	3.1	10
116	Anti-herpes simplex virus 1 and immunomodulatory activities of a poly-Î³- glutamic acid from Bacillus horneckiae strain APA of shallow vent origin. Applied Microbiology and Biotechnology, 2017, 101, 7487-7496.	3.6	9
117	Determination of hydride transfer stereospecificity of NADH-dependent alcohol-aldehyde/ketone oxidoreductase from Sulfolobus solfataricus. BBA - Proteins and Proteomics, 1990, 1041, 94-96.	2.1	8
118	Comparison of the ADP-ribosylating thermozyme from Sulfolobus solfataricus and the mesophilic poly(ADP-ribose) polymerases. FEMS Microbiology Letters, 2000, 192, 9-14.	1.8	8
119	The Lipid A from the Haloalkaliphilic Bacterium Salinivibrio sharmensis Strain BAGT. Marine Drugs, 2013, 11, 184-193.	4.6	8
120	Hetero-exopolysaccharide from the extremely halophilic Halomonas smyrnensis K2: production, characterization and functional properties in vitro. 3 Biotech, 2020, 10, 395.	2.2	8
121	High stability binding of poly(ADPribose) polymerase-like thermozyme fromS. solfataricuswith circular DNA. Journal of Cellular Biochemistry, 2002, 85, 158-166.	2.6	7
122	Structural characterization of the core region from the lipopolysaccharide of the haloalkaliphilic bacterium Halomonas alkaliantarctica strain CRSS. Organic and Biomolecular Chemistry, 2010, 8, 5404.	2.8	6
123	Effects of Industrial Processes on Antioxidant Power and Polyphenols Profile in Cherry Tomato Cultivar. Journal of Medicinal Food, 2015, 18, 1173-1178.	1.5	6
124	Identification of N-Hexadecanoyl-L-homoserine lactone (C16-AHL) as signal molecule in halophilic bacterium Halomonas smyrnensis AAD6. Annals of Microbiology, 2016, 66, 1329-1333.	2.6	6
125	Purification of the Poly-ADP-Ribose Polymerase-Like Thermozyme from the Archaeon Sulfolobus solfataricus. Methods in Molecular Biology, 2011, 780, 443-460.	0.9	6
126	Production of 4-chloro 3-hydroxy ethyl butanoate with resting cells ofSulfolobus solfataricus. Biotechnology Letters, 1991, 13, 31-34.	2.2	5

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127	Xylanase Produced by Bacillus thermoantarcticus, a New Thermophilic Bacillus. Annals of the New York Academy of Sciences, 1996, 799, 284-289.	3.8	5
128	O-Allyl decoration on Î±-glucan isolated from the haloalkaliphilic Halomonas pantelleriensis bacterium. Carbohydrate Research, 2007, 342, 1271-1274.	2.3	5
129	Antioxidant Activity of Diphenylpropionamide Derivatives: Synthesis, Biological Evaluation and Computational Analysis. Molecules, 2008, 13, 749-761.	3.8	5
130	Structural characterization of the core oligosaccharide isolated from the lipopolysaccharide of the haloalkaliphilic bacterium Salinivibrio sharmensis strain BAGT. Carbohydrate Research, 2013, 368, 61-67.	2.3	5
131	Evaluation of heavy metals, cytotoxicity, and antioxidant activity of tomatoes grown in toxic muddy soils. Environmental Science and Pollution Research, 2015, 22, 5756-5761.	5.3	5
132	Structural characterization of the lipid A from the LPS of the haloalkaliphilic bacterium Halomonas pantelleriensis. Extremophiles, 2016, 20, 687-694.	2.3	5
133	Antioxidant activity and bioactive compound contents before and after in vitro digestion of new tomato hybrids. Journal of the Science of Food and Agriculture, 2017, 97, 5241-5246.	3.5	5
134	Quorum Sensing in Extremophiles. , 2019, , 97-123.		5
135	Determination of flavorâ€potentiating compounds in different Italian tomato varieties. Journal of Food Biochemistry, 2021, 45, e13736.	2.9	5
136	Polysaccharides: Applications in Biology and Biotechnology/Polysaccharides from Bioagro-Waste New Biomolecules-Life. , 2014, , 1-29.		5
137	The (ADP-ribosyl)ation reaction in thermophilic bacteria. Research in Microbiology, 2006, 157, 531-537.	2.1	4
138	Biotechnology Implications of Extremophiles as Life Pioneers and Wellspring of Valuable Biomolecules. , 2015, , 193-216.		4
139	The structures of the cell wall teichoic acids from the thermophilic microorganism Geobacillus thermoleovorans strain Fango. Carbohydrate Research, 2006, 341, 2613-2618.	2.3	3
140	Genomic Analysis Provides New Insights Into Biotechnological and Industrial Potential of Parageobacillus thermantarcticus M1. Frontiers in Microbiology, 0, 13, .	3.5	3
141	Polysaccharides from Bioagro-Waste for New Biomolecules. , 2015, , 603-637.		2
142	Exopolysaccharide-Producing Microorganisms from Extreme Areas: Chemistry and Application. Microorganisms for Sustainability, 2018, , 405-433.	0.7	1
143	Biomass Valorization: Sustainable Methods for the Production of Hemicellulolytic Catalysts from Thermoanaerobacterium thermostercoris strain BUFF. Resources, 2021, 10, 115.	3.5	1
144	ThermophilicBacillus Isolates from Antarctic Environments. , 0, , 47-63.		0

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145	Exopolysaccharide production by Halomonas strains isolated from Turkey. Journal of Biotechnology, 2007, 131, S163.	3.8	0
146	Bioactive Polysaccharides from Tomato. , 2008, , 299-316.		0
147	Technical Developments for Vegetable Waste Biomass Degradation by Thermophiles. Grand Challenges in Biology and Biotechnology, 2016, , 539-579.	2.4	0