

Yu-Zhong Zhang

List of Publications by Year in descending order

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221
papers

6,913
citations

61945

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229
all docs

229
docs citations

229
times ranked

7225
citing authors

#	ARTICLE	IF	CITATIONS
1	A Proposed Genus Boundary for the Prokaryotes Based on Genomic Insights. <i>Journal of Bacteriology</i> , 2014, 196, 2210-2215.	1.0	708
2	Characterization, structure and function of linker polypeptides in phycobilisomes of cyanobacteria and red algae: An overview. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 133-142.	0.5	166
3	Antimicrobial peptaibols from <i>Trichoderma pseudokoningii</i> induce programmed cell death in plant fungal pathogens. <i>Microbiology (United Kingdom)</i> , 2012, 158, 166-175.	0.7	140
4	Gene cloning, expression and characterization of a new cold-active and salt-tolerant endo- β -1,4-xylanase from marine <i>Glaciecola mesophila</i> KMM 241. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 1107-1115.	1.7	128
5	Antimicrobial peptaibols induce defense responses and systemic resistance in tobacco against tobacco mosaic virus. <i>FEMS Microbiology Letters</i> , 2010, 313, 120-126.	0.7	120
6	Purification and identification of novel angiotensin-I-converting enzyme inhibitory peptides from shark meat hydrolysate. <i>Process Biochemistry</i> , 2008, 43, 457-461.	1.8	117
7	Comparative genomics reveals a deep-sea sediment-adapted life style of <i>Pseudoalteromonas</i> sp. SM9913. <i>ISME Journal</i> , 2011, 5, 274-284.	4.4	117
8	Diversity of Both the Cultivable Protease-Producing Bacteria and Their Extracellular Proteases in the Sediments of the South China Sea. <i>Microbial Ecology</i> , 2009, 58, 582-590.	1.4	113
9	High throughput and rapid screening of marine protein hydrolysates enriched in peptides with angiotensin-I-converting enzyme inhibitory activity by capillary electrophoresis. <i>Bioresource Technology</i> , 2007, 98, 3499-3505.	4.8	107
10	Diversity, Structures, and Collagen-Degrading Mechanisms of Bacterial Collagenolytic Proteases. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6098-6107.	1.4	106
11	Novel Molecular Insights into the Catalytic Mechanism of Marine Bacterial Alginate Lyase AlyGC from Polysaccharide Lyase Family 6. <i>Journal of Biological Chemistry</i> , 2017, 292, 4457-4468.	1.6	101
12	Structure and Ecological Roles of a Novel Exopolysaccharide from the Arctic Sea Ice Bacterium <i>Pseudoalteromonas</i> sp. Strain SM20310. <i>Applied and Environmental Microbiology</i> , 2013, 79, 224-230.	1.4	94
13	Purification and Characterization of a Bifunctional Alginate Lyase from <i>Pseudoalteromonas</i> sp. SM0524. <i>Marine Drugs</i> , 2011, 9, 109-123.	2.2	84
14	Characterization and Biotechnological Potential Analysis of a New Exopolysaccharide from the Arctic Marine Bacterium <i>Polaribacter</i> sp. SM1127. <i>Scientific Reports</i> , 2016, 5, 18435.	1.6	84
15	Two different proteases produced by a deep-sea psychrotrophic bacterial strain, <i>Pseudoalteromonas</i> sp. SM9913. <i>Marine Biology</i> , 2003, 143, 989-993.	0.7	80
16	Antimicrobial peptaibols, novel suppressors of tumor cells, targeted calcium-mediated apoptosis and autophagy in human hepatocellular carcinoma cells. <i>Molecular Cancer</i> , 2010, 9, 26.	7.9	78
17	Nitrogen Starvation Impacts the Photosynthetic Performance of <i>Porphyridium cruentum</i> as Revealed by Chlorophyll a Fluorescence. <i>Scientific Reports</i> , 2017, 7, 8542.	1.6	78
18	Single-step chromatography for simultaneous purification of C-phycoerythrin and allophycoerythrin with high purity and recovery from <i>Spirulina (Arthrospira) platensis</i> . <i>Journal of Applied Phycology</i> , 2011, 23, 1-6.	1.5	75

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19	Cultivable Alginate Lyase-Excreting Bacteria Associated with the Arctic Brown Alga Laminaria. <i>Marine Drugs</i> , 2012, 10, 2481-2491.	2.2	74
20	Comparative genomics of the marine bacterial genus <i>G-laciecola</i> reveals the high degree of genomic diversity and genomic characteristic for cold adaptation. <i>Environmental Microbiology</i> , 2014, 16, 1642-1653.	1.8	72
21	Diversity of Three-Dimensional Structures and Catalytic Mechanisms of Alginate Lyases. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	72
22	Filamentous phages prevalent in <i>Pseudoalteromonas</i> spp. confer properties advantageous to host survival in Arctic sea ice. <i>ISME Journal</i> , 2015, 9, 871-881.	4.4	69
23	Bacteria are important dimethylsulfoniopropionate producers in coastal sediments. <i>Nature Microbiology</i> , 2019, 4, 1815-1825.	5.9	67
24	Hydrolysis of Insoluble Collagen by Deseasin MCP-01 from Deep-sea <i>Pseudoalteromonas</i> sp. SM9913. <i>Journal of Biological Chemistry</i> , 2008, 283, 36100-36107.	1.6	66
25	Structure and organization of phycobilisomes on membranes of the red alga <i>Porphyridium cruentum</i> . <i>Photosynthesis Research</i> , 2008, 95, 169-174.	1.6	64
26	Tenderization effect of cold-adapted collagenolytic protease MCP-01 on beef meat at low temperature and its mechanism. <i>Food Chemistry</i> , 2012, 134, 1738-1744.	4.2	64
27	Cold Adaptation of Zinc Metalloproteases in the Thermolysin Family from Deep Sea and Arctic Sea Ice Bacteria Revealed by Catalytic and Structural Properties and Molecular Dynamics. <i>Journal of Biological Chemistry</i> , 2009, 284, 9257-9269.	1.6	63
28	Calpain, Atg5 and Bak play important roles in the crosstalk between apoptosis and autophagy induced by influx of extracellular calcium. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 435-451.	2.2	63
29	Characterization of a New Cold-Adapted and Salt-Activated Polysaccharide Lyase Family 7 Alginate Lyase from <i>Pseudoalteromonas</i> sp. SM0524. <i>Frontiers in Microbiology</i> , 2016, 7, 1120.	1.5	63
30	The complete genome of <i>Zunongwangia profunda</i> SM-A87 reveals its adaptation to the deep-sea environment and ecological role in sedimentary organic nitrogen degradation. <i>BMC Genomics</i> , 2010, 11, 247.	1.2	61
31	Structure and function of the Arctic and Antarctic marine microbiota as revealed by metagenomics. <i>Microbiome</i> , 2020, 8, 47.	4.9	61
32	Molecular analysis of the gene encoding a cold-adapted halophilic subtilase from deep-sea psychrotolerant bacterium <i>Pseudoalteromonas</i> sp. SM9913: cloning, expression, characterization and function analysis of the C-terminal PPC domains. <i>Extremophiles</i> , 2009, 13, 725-733.	0.9	60
33	Molecular Insight into the Role of the N-terminal Extension in the Maturation, Substrate Recognition, and Catalysis of a Bacterial Alginate Lyase from Polysaccharide Lyase Family 18. <i>Journal of Biological Chemistry</i> , 2014, 289, 29558-29569.	1.6	60
34	A predator-prey interaction between a marine <i>Pseudoalteromonas</i> sp. and Gram-positive bacteria. <i>Nature Communications</i> , 2020, 11, 285.	5.8	59
35	Comparative Genomics Provide Insights into Evolution of <i>Trichoderma</i> Nutrition Style. <i>Genome Biology and Evolution</i> , 2014, 6, 379-390.	1.1	57
36	Structural Basis for Dimerization and Catalysis of a Novel Esterase from the GTSAG Motif Subfamily of the Bacterial Hormone-sensitive Lipase Family. <i>Journal of Biological Chemistry</i> , 2014, 289, 19031-19041.	1.6	57

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37	Interdomain Hydrophobic Interactions Modulate the Thermostability of Microbial Esterases from the Hormone-Sensitive Lipase Family. <i>Journal of Biological Chemistry</i> , 2015, 290, 11188-11198.	1.6	56
38	<i>Wangia profunda</i> gen. nov., sp. nov., a novel marine bacterium of the family Flavobacteriaceae isolated from southern Okinawa Trough deep-sea sediment. <i>FEMS Microbiology Letters</i> , 2007, 271, 53-58.	0.7	53
39	Structural basis for the autoprocessing of zinc metalloproteases in the thermolysin family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17569-17574.	3.3	53
40	Molecular insight into bacterial cleavage of oceanic dimethylsulfoniopropionate into dimethyl sulfide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1026-1031.	3.3	52
41	The supramolecular architecture, function, and regulation of thylakoid membranes in red algae: an overview. <i>Photosynthesis Research</i> , 2010, 106, 73-87.	1.6	50
42	Purification and functional characterization of endo- β -mannanase MAN5 and its application in oligosaccharide production from konjac flour. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 865-873.	1.7	49
43	Light-Induced Energetic Decoupling as a Mechanism for Phycobilisome-Related Energy Dissipation in Red Algae: A Single Molecule Study. <i>PLoS ONE</i> , 2008, 3, e3134.	1.1	46
44	Purification and enzymatic characterization of two β -endoxylanases from <i>Trichoderma</i> sp. K9301 and their actions in xylooligosaccharide production. <i>Bioresource Technology</i> , 2009, 100, 5230-5236.	4.8	44
45	Optimization of Fermentation Conditions and Rheological Properties of Exopolysaccharide Produced by Deep-Sea Bacterium <i>Zunongwangia profunda</i> SM-A87. <i>PLoS ONE</i> , 2011, 6, e26825.	1.1	44
46	Structural variability, coordination and adaptation of a native photosynthetic machinery. <i>Nature Plants</i> , 2020, 6, 869-882.	4.7	43
47	Mechanistic Insight into the Function of the C-terminal PKD Domain of the Collagenolytic Serine Protease Deseasin MCP-01 from Deep Sea <i>Pseudoalteromonas</i> sp. SM9913. <i>Journal of Biological Chemistry</i> , 2010, 285, 14285-14291.	1.6	42
48	Cellular and molecular insight into the inhibition of primary root growth of <i>Arabidopsis</i> induced by peptaibols, a class of linear peptide antibiotics mainly produced by <i>Trichoderma</i> spp.. <i>Journal of Experimental Botany</i> , 2016, 67, 2191-2205.	2.4	42
49	Diversity of cultivable protease-producing bacteria in sediments of Jiaozhou Bay, China. <i>Frontiers in Microbiology</i> , 2015, 6, 1021.	1.5	41
50	Production of novel angiotensin I-converting enzyme inhibitory peptides by fermentation of marine shrimp <i>Acetes chinensis</i> with <i>Lactobacillus fermentum</i> SM 605. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 785-791.	1.7	40
51	Identification and Characterization of a Novel Salt-Tolerant Esterase from the Deep-Sea Sediment of the South China Sea. <i>Frontiers in Microbiology</i> , 2017, 08, 441.	1.5	40
52	<i>Myroides profundus</i> sp. nov., isolated from deep-sea sediment of the southern Okinawa Trough. <i>FEMS Microbiology Letters</i> , 2008, 287, 108-112.	0.7	39
53	Ecological Function of Myroilysin, a Novel Bacterial M12 Metalloprotease with Elastinolytic Activity and a Synergistic Role in Collagen Hydrolysis, in Biodegradation of Deep-Sea High-Molecular-Weight Organic Nitrogen. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1838-1844.	1.4	39
54	Trichokonins from <i>Trichoderma pseudokoningii</i> SMF2 induce resistance against Gram-negative <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> in Chinese cabbage. <i>FEMS Microbiology Letters</i> , 2014, 354, 75-82.	0.7	38

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55	A novel ATP dependent dimethylsulfoniopropionate lyase in bacteria that releases dimethyl sulfide and acryloyl-CoA. <i>ELife</i> , 2021, 10, .	2.8	38
56	Watching the Native Supramolecular Architecture of Photosynthetic Membrane in Red Algae. <i>Journal of Biological Chemistry</i> , 2008, 283, 34946-34953.	1.6	37
57	Efficient separation and purification of allophycocyanin from <i>Spirulina (Arthrospira) platensis</i> . <i>Journal of Applied Phycology</i> , 2010, 22, 65-70.	1.5	37
58	Diversity of Both the Cultivable Protease-Producing Bacteria and Bacterial Extracellular Proteases in the Coastal Sediments of King George Island, Antarctica. <i>PLoS ONE</i> , 2013, 8, e79668.	1.1	36
59	Deep RNA sequencing reveals a high frequency of alternative splicing events in the fungus <i>Trichoderma longibrachiatum</i> . <i>BMC Genomics</i> , 2015, 16, 54.	1.2	35
60	Structural and molecular basis for the novel catalytic mechanism and evolution of <sc>DddP</sc>, an abundant peptidase-like bacterial Dimethylsulfoniopropionate lyase: a new enzyme from an old fold. <i>Molecular Microbiology</i> , 2015, 98, 289-301.	1.2	35
61	Structural and molecular basis for the substrate positioning mechanism of a new PL7 subfamily alginate lyase from the arctic. <i>Journal of Biological Chemistry</i> , 2020, 295, 16380-16392.	1.6	35
62	<i>Vibrio xiamenensis</i> sp. nov., a cellulase-producing bacterium isolated from mangrove soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1958-1962.	0.8	34
63	Mechanistic Insights into Elastin Degradation by Pseudolysin, the Major Virulence Factor of the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2015, 5, 9936.	1.6	34
64	<i>Neptunomonas antarctica</i> sp. nov., isolated from marine sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1958-1961.	0.8	32
65	Gene Cloning, Expression and Characterization of a Novel Xylanase from the Marine Bacterium, <i>Glaciecola mesophila</i> KMM241. <i>Marine Drugs</i> , 2013, 11, 1173-1187.	2.2	32
66	<i>Polaribacter huanghezhanensis</i> sp. nov., isolated from Arctic fjord sediment, and emended description of the genus <i>Polaribacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 973-978.	0.8	32
67	A novel exopolysaccharide from deep-sea bacterium <i>Zunongwangia profunda</i> SM-A87: low-cost fermentation, moisture retention, and antioxidant activities. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7437-7445.	1.7	32
68	Characterization of a Novel Subtilisin-like Protease Myroicolsin from Deep Sea Bacterium <i>Myroides profundus</i> D25 and Molecular Insight into Its Collagenolytic Mechanism. <i>Journal of Biological Chemistry</i> , 2014, 289, 6041-6053.	1.6	32
69	Elastolytic Mechanism of a Novel M23 Metalloprotease Pseudoalterin from Deep-sea <i>Pseudoalteromonas</i> sp. CF6-2. <i>Journal of Biological Chemistry</i> , 2012, 287, 39710-39720.	1.6	31
70	Antimicrobial Peptide Trichokonin VI-Induced Alterations in the Morphological and Nanomechanical Properties of <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2012, 7, e45818.	1.1	31
71	Depth-Resolved Variations of Cultivable Bacteria and Their Extracellular Enzymes in the Water Column of the New Britain Trench. <i>Frontiers in Microbiology</i> , 2018, 9, 135.	1.5	31
72	Promotion of Wound Healing and Prevention of Frostbite Injury in Rat Skin by Exopolysaccharide from the Arctic Marine Bacterium <i>Polaribacter</i> sp. SM1127. <i>Marine Drugs</i> , 2020, 18, 48.	2.2	31

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73	<i>Glaciecola arctica</i> sp. nov., isolated from Arctic marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2338-2341.	0.8	30
74	<i>Rheinheimera nanhaiensis</i> sp. nov., isolated from marine sediments, and emended description of the genus <i>Rheinheimera</i> Brettar et al. 2002 emend. Merchant et al. 2007. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1016-1022.	0.8	30
75	Preparation and functional evaluation of collagen oligopeptide-rich hydrolysate from fish skin with the serine collagenolytic protease from <i>Pseudoalteromonas</i> sp. SM9913. Scientific Reports, 2017, 7, 15716.	1.6	29
76	<i>Marinobacter antarcticus</i> sp. nov., a halotolerant bacterium isolated from Antarctic intertidal sandy sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1838-1844.	0.8	27
77	Vertical and horizontal biogeographic patterns and major factors affecting bacterial communities in the open South China Sea. Scientific Reports, 2018, 8, 8800.	1.6	27
78	Structural Insight Into Chitin Degradation and Thermostability of a Novel Endochitinase From the Glycoside Hydrolase Family 18. Frontiers in Microbiology, 2019, 10, 2457.	1.5	27
79	<i>Idiomarina maris</i> sp. nov., a marine bacterium isolated from sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 370-375.	0.8	26
80	Development of a genetic system for the deep-sea psychrophilic bacterium <i>Pseudoalteromonas</i> sp. SM9913. Microbial Cell Factories, 2014, 13, 13.	1.9	26
81	The developmental regulator MtrA binds GlnR boxes and represses nitrogen metabolism genes in <i>Streptomyces coelicolor</i> . Molecular Microbiology, 2019, 112, 29-46.	1.2	26
82	Pilot and plant scaled production of ACE inhibitory hydrolysates from <i>Acetes chinensis</i> and its in vivo antihypertensive effect. Bioresource Technology, 2008, 99, 5956-5959.	4.8	25
83	<i>Pseudorhodobacter antarcticus</i> sp. nov., isolated from Antarctic intertidal sandy sediment, and emended description of the genus <i>Pseudorhodobacter</i> Uchino et al. 2002 emend. Jung et al. 2012. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 849-854.	0.8	25
84	Structural and mechanistic insights into collagen degradation by a bacterial collagenolytic serine protease in the subtilisin family. Molecular Microbiology, 2013, 90, 997-1010.	1.2	25
85	<i>Flavobacterium arcticum</i> sp. nov., isolated from Arctic seawater. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1070-1074.	0.8	25
86	Genome Sequences of Six <i>Pseudoalteromonas</i> Strains Isolated from Arctic Sea Ice. Journal of Bacteriology, 2012, 194, 908-909.	1.0	24
87	<i>Marinicauda pacifica</i> gen. nov., sp. nov., a prosthecate alphaproteobacterium of the family Hyphomonadaceae isolated from deep seawater. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 2248-2253.	0.8	24
88	<i>Marivirga atlantica</i> sp. nov., isolated from seawater and emended description of the genus <i>Marivirga</i> . International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1515-1519.	0.8	24
89	<i>Zhongshania antarctica</i> gen. nov., sp. nov. and <i>Zhongshania guokunii</i> sp. nov., gammaproteobacteria respectively isolated from coastal attached (fast) ice and surface seawater of the Antarctic. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2052-2057.	0.8	23
90	Supramolecular architecture of photosynthetic membrane in red algae in response to nitrogen starvation. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1751-1758.	0.5	23

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91	Mechanistic Insights into Dimethylsulfoniopropionate Lyase DddY, a New Member of the Cupin Superfamily. <i>Journal of Molecular Biology</i> , 2017, 429, 3850-3862.	2.0	22
92	Solid-state fermentation for Trichokonins production from <i>Trichoderma koningii</i> SMF2 and preparative purification of Trichokonin VI by a simple protocol. <i>Journal of Biotechnology</i> , 2007, 131, 209-215.	1.9	21
93	Mechanistic Insight into Trimethylamine <i>N</i> -Oxide Recognition by the Marine Bacterium <i>Ruegeria pomeroyi</i> DSS-3. <i>Journal of Bacteriology</i> , 2015, 197, 3378-3387.	1.0	21
94	FRAP Analysis on Red Alga Reveals the Fluorescence Recovery Is Ascribed to Intrinsic Photoprocesses of Phycobilisomes than Large-Scale Diffusion. <i>PLoS ONE</i> , 2009, 4, e5295.	1.1	20
95	Molecular insights into the terminal energy acceptor in cyanobacterial phycobilisome. <i>Molecular Microbiology</i> , 2012, 85, 907-915.	1.2	20
96	Physiological and genetic analyses reveal a mechanistic insight into the multifaceted lifestyles of <i>Pseudoalteromonas</i> sp. SM9913 adapted to the deep-sea sediment. <i>Environmental Microbiology</i> , 2015, 17, 3795-3806.	1.8	20
97	Atomic Force Microscopy of Side Wall and Septa Peptidoglycan From <i>Bacillus subtilis</i> Reveals an Architectural Remodeling During Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 620.	1.5	20
98	Improvement of the quality of wheat bread by addition of glycoside hydrolase family 10 xylanases. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 509-515.	1.7	19
99	Structural and Functional Characterization of Mature Forms of Metalloprotease E495 from Arctic Sea-Ice Bacterium <i>Pseudoalteromonas</i> sp. SM495. <i>PLoS ONE</i> , 2012, 7, e35442.	1.1	19
100	Genetic structure of three fosmid fragments encoding 16S rRNA genes of the Miscellaneous Crenarchaeotic Group (MCG): implications for physiology and evolution of marine sedimentary archaea. <i>Environmental Microbiology</i> , 2012, 14, 467-479.	1.8	19
101	Optimization of Fermentation Conditions for the Production of the M23 Protease <i>Pseudoalterin</i> by Deep-Sea <i>Pseudoalteromonas</i> sp. CF6-2 with Artery Powder as an Inducer. <i>Molecules</i> , 2014, 19, 4779-4790.	1.7	19
102	Reconstruction of the Functional Ecosystem in the High Light, Low Temperature Union Glacier Region, Antarctica. <i>Frontiers in Microbiology</i> , 2019, 10, 2408.	1.5	19
103	<i>Arenitalea lutea</i> gen. nov., sp. nov., a marine bacterium of the family Flavobacteriaceae isolated from intertidal sand. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2853-2858.	0.8	18
104	Alginate Lyase Aly36B is a New Bacterial Member of the Polysaccharide Lyase Family 36 and Catalyzes by a Novel Mechanism With Lysine as Both the Catalytic Base and Catalytic Acid. <i>Journal of Molecular Biology</i> , 2019, 431, 4897-4909.	2.0	18
105	Mechanistic insight into 3-methylmercaptopropionate metabolism and kinetical regulation of demethylation pathway in marine dimethylsulfoniopropionate catabolizing bacteria. <i>Molecular Microbiology</i> , 2019, 111, 1057-1073.	1.2	18
106	Biogeographic traits of dimethyl sulfide and dimethylsulfoniopropionate cycling in polar oceans. <i>Microbiome</i> , 2021, 9, 207.	4.9	18
107	Acrylate protects a marine bacterium from grazing by a ciliate predator. <i>Nature Microbiology</i> , 2021, 6, 1351-1356.	5.9	18
108	Characterization of a cryptic plasmid pSM429 and its application for heterologous expression in psychrophilic <i>Pseudoalteromonas</i> . <i>Microbial Cell Factories</i> , 2011, 10, 30.	1.9	17

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109	Structural mechanism for bacterial oxidation of oceanic trimethylamine into trimethylamine <i>N</i> -oxide. <i>Molecular Microbiology</i> , 2017, 103, 992-1003.	1.2	17
110	Extracellular Enzyme Activity and Its Implications for Organic Matter Cycling in Northern Chinese Marginal Seas. <i>Frontiers in Microbiology</i> , 2019, 10, 2137.	1.5	17
111	Oxidation of trimethylamine to trimethylamine <i>N</i> -oxide facilitates high hydrostatic pressure tolerance in a generalist bacterial lineage. <i>Science Advances</i> , 2021, 7, .	4.7	17
112	<i>Putridiphycobacter roseus</i> gen. nov., sp. nov., isolated from Antarctic rotten seaweed. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 648-655.	0.8	17
113	Crystal structure of the N-terminal domain of linker L _R and the assembly of cyanobacterial phycobilisome rods. <i>Molecular Microbiology</i> , 2011, 82, 698-705.	1.2	16
114	Characterization of Bacterial Polysaccharide Capsules and Detection in the Presence of Deliquescent Water by Atomic Force Microscopy. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3476-3479.	1.4	16
115	Mechanistic insight into acrylate metabolism and detoxification in marine dimethylsulfoniopropionate-catabolizing bacteria. <i>Molecular Microbiology</i> , 2017, 105, 674-688.	1.2	16
116	Structural and Mechanistic Insights into the Improvement of the Halotolerance of a Marine Microbial Esterase by Increasing Intra- and Interdomain Hydrophobic Interactions. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	16
117	Characterization and Diversity Analysis of the Extracellular Proteases of Thermophilic <i>Anoxybacillus caldiproteolyticus</i> 1A02591 From Deep-Sea Hydrothermal Vent Sediment. <i>Frontiers in Microbiology</i> , 2021, 12, 643508.	1.5	16
118	Degradation and Utilization of Alginate by Marine <i>Pseudoalteromonas</i> : a Review. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0036821.	1.4	16
119	A Novel Alginate Lyase: Identification, Characterization, and Potential Application in Alginate Trisaccharide Preparation. <i>Marine Drugs</i> , 2022, 20, 159.	2.2	16
120	Rapid monitoring of autolysis process of proteases by capillary electrophoresis. <i>Biotechnology Letters</i> , 2003, 25, 1763-1767.	1.1	15
121	<i>Neptunomonas qingdaonensis</i> sp. nov., isolated from intertidal sand. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1673-1677.	0.8	15
122	<i>Bizionia arctica</i> sp. nov., isolated from Arctic fjord seawater, and emended description of the genus <i>Bizionia</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2925-2930.	0.8	15
123	Diversity of D-Amino Acid Utilizing Bacteria From Kongsfjorden, Arctic and the Metabolic Pathways for Seven D-Amino Acids. <i>Frontiers in Microbiology</i> , 2019, 10, 2983.	1.5	15
124	Comparative genomics reveals broad genetic diversity, extensive recombination and nascent ecological adaptation in <i>Micrococcus luteus</i> . <i>BMC Genomics</i> , 2021, 22, 124.	1.2	15
125	<i>Albimonas pacifica</i> sp. nov., isolated from seawater of the Pacific, and emended description of the genus <i>Albimonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3597-3601.	0.8	15
126	Effects of different buffers on the thermostability and autolysis of a cold-adapted protease MCP-01. <i>The Protein Journal</i> , 2002, 21, 523-527.	1.1	14

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