

Xiu-Lan Chen

List of Publications by Year in descending order

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167
papers

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citations

94433

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171
all docs

171
docs citations

171
times ranked

5693
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.	2.2	708
2	Antimicrobial peptaibols from <i>Trichoderma pseudokoningii</i> induce programmed cell death in plant fungal pathogens. <i>Microbiology (United Kingdom)</i> , 2012, 158, 166-175.	1.8	140
3	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.	3.6	128
4	Comparative genomics reveals a deep-sea sediment-adapted life style of <i>Pseudoalteromonas</i> sp. SM9913. <i>ISME Journal</i> , 2011, 5, 274-284.	9.8	117
5	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.	2.8	113
6	Diversity, Structures, and Collagen-Degrading Mechanisms of Bacterial Collagenolytic Proteases. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6098-6107.	3.1	106
7	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.	3.4	101
8	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.	3.1	94
9	Purification and Characterization of a Bifunctional Alginate Lyase from <i>Pseudoalteromonas</i> sp. SM0524. <i>Marine Drugs</i> , 2011, 9, 109-123.	4.6	84
10	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.	3.3	84
11	Two different proteases produced by a deep-sea psychrotrophic bacterial strain, <i>Pseudoalteromonas</i> sp. SM9913. <i>Marine Biology</i> , 2003, 143, 989-993.	1.5	80
12	Extracellular metalloproteases from bacteria. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 253-262.	3.6	80
13	Nitrogen Starvation Impacts the Photosynthetic Performance of <i>Porphyridium cruentum</i> as Revealed by Chlorophyll a Fluorescence. <i>Scientific Reports</i> , 2017, 7, 8542.	3.3	78
14	Cultivable Alginate Lyase-Excreting Bacteria Associated with the Arctic Brown Alga <i>Laminaria</i> . <i>Marine Drugs</i> , 2012, 10, 2481-2491.	4.6	74
15	Comparative genomics of the marine bacterial genus <i>Glaciecola</i> reveals the high degree of genomic diversity and genomic characteristic for cold adaptation. <i>Environmental Microbiology</i> , 2014, 16, 1642-1653.	3.8	72
16	Diversity of Three-Dimensional Structures and Catalytic Mechanisms of Alginate Lyases. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	72
17	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.	9.8	69
18	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.	3.4	66

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19	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.	8.2	64
20	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.	3.4	63
21	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.	3.5	63
22	Structure and function of the Arctic and Antarctic marine microbiota as revealed by metagenomics. <i>Microbiome</i> , 2020, 8, 47.	11.1	61
23	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.	2.3	60
24	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.	3.4	60
25	A predator-prey interaction between a marine <i>Pseudoalteromonas</i> sp. and Gram-positive bacteria. <i>Nature Communications</i> , 2020, 11, 285.	12.8	59
26	Comparative Genomics Provide Insights into Evolution of <i>Trichoderma</i> Nutrition Style. <i>Genome Biology and Evolution</i> , 2014, 6, 379-390.	2.5	57
27	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.	3.4	57
28	A novel type of subtilase from the psychrotolerant bacterium <i>Pseudoalteromonas</i> sp. SM9913: catalytic and structural properties of deseasin MCP-01. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2116-2125.	1.8	56
29	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.	3.4	56
30	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.	7.1	53
31	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.	9.6	44
32	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.	2.5	44
33	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.	3.4	42
34	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.	4.8	42
35	Diversity of cultivable protease-producing bacteria in sediments of Jiaozhou Bay, China. <i>Frontiers in Microbiology</i> , 2015, 6, 1021.	3.5	41
36	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.	3.5	40

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37	<i>Myroides profundus</i> sp. nov., isolated from deep-sea sediment of the southern Okinawa Trough. FEMS Microbiology Letters, 2008, 287, 108-112.	1.8	39
38	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. Applied and Environmental Microbiology, 2009, 75, 1838-1844.	3.1	39
39	A novel ATP dependent dimethylsulfoniopropionate lyase in bacteria that releases dimethyl sulfide and acryloyl-CoA. ELife, 2021, 10, .	6.0	38
40	Efficient separation and purification of allophycocyanin from <i>Spirulina</i> (<i>Arthrospira</i>) <i>platensis</i> . Journal of Applied Phycology, 2010, 22, 65-70.	2.8	37
41	Characterization of a New S8 serine Protease from Marine Sedimentary Photobacterium sp. A5 and the Function of Its Protease-Associated Domain. Frontiers in Microbiology, 2016, 7, 2016.	3.5	36
42	Diversity of Both the Cultivable Protease-Producing Bacteria and Bacterial Extracellular Proteases in the Coastal Sediments of King George Island, Antarctica. PLoS ONE, 2013, 8, e79668.	2.5	36
43	Deep RNA sequencing reveals a high frequency of alternative splicing events in the fungus <i>Trichoderma longibrachiatum</i> . BMC Genomics, 2015, 16, 54.	2.8	35
44	Structural and molecular basis for the novel catalytic mechanism and evolution of DddP, an abundant peptidase-like bacterial Dimethylsulfoniopropionate lyase: a new enzyme from an old fold. Molecular Microbiology, 2015, 98, 289-301.	2.5	35
45	Structural and molecular basis for the substrate positioning mechanism of a new PL7 subfamily alginate lyase from the arctic. Journal of Biological Chemistry, 2020, 295, 16380-16392.	3.4	35
46	<i>Vibrio xiamenensis</i> sp. nov., a cellulase-producing bacterium isolated from mangrove soil. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1958-1962.	1.7	34
47	Mechanistic Insights into Elastin Degradation by Pseudolysin, the Major Virulence Factor of the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . Scientific Reports, 2015, 5, 9936.	3.3	34
48	<i>Neptunomonas antarctica</i> sp. nov., isolated from marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1958-1961.	1.7	32
49	Gene Cloning, Expression and Characterization of a Novel Xylanase from the Marine Bacterium, <i>Glaciecola mesophila</i> KMM241. Marine Drugs, 2013, 11, 1173-1187.	4.6	32
50	<i>Polaribacter huanghezhanensis</i> sp. nov., isolated from Arctic fjord sediment, and emended description of the genus <i>Polaribacter</i> . International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 973-978.	1.7	32
51	Characterization of a Novel Subtilisin-like Protease Myroicolsin from Deep Sea Bacterium <i>Myroides profundus</i> D25 and Molecular Insight into Its Collagenolytic Mechanism. Journal of Biological Chemistry, 2014, 289, 6041-6053.	3.4	32
52	Elastolytic Mechanism of a Novel M23 Metalloprotease Pseudoalterin from Deep-sea <i>Pseudoalteromonas</i> sp. CF6-2. Journal of Biological Chemistry, 2012, 287, 39710-39720.	3.4	31
53	Depth-Resolved Variations of Cultivable Bacteria and Their Extracellular Enzymes in the Water Column of the New Britain Trench. Frontiers in Microbiology, 2018, 9, 135.	3.5	31
54	Promotion of Wound Healing and Prevention of Frostbite Injury in Rat Skin by Exopolysaccharide from the Arctic Marine Bacterium <i>Polaribacter</i> sp. SM1127. Marine Drugs, 2020, 18, 48.	4.6	31

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55	<i>Glaciecola arctica</i> sp. nov., isolated from Arctic marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2338-2341.	1.7	30
56	<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.	1.7	30
57	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.	3.3	29
58	<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.	1.7	27
59	Vertical and horizontal biogeographic patterns and major factors affecting bacterial communities in the open South China Sea. Scientific Reports, 2018, 8, 8800.	3.3	27
60	Structural Insight Into Chitin Degradation and Thermostability of a Novel Endochitinase From the Glycoside Hydrolase Family 18. Frontiers in Microbiology, 2019, 10, 2457.	3.5	27
61	<i>Idiomarina maris</i> sp. nov., a marine bacterium isolated from sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 370-375.	1.7	26
62	Development of a genetic system for the deep-sea psychrophilic bacterium <i>Pseudoalteromonas</i> sp. SM9913. Microbial Cell Factories, 2014, 13, 13.	4.0	26
63	The developmental regulator MtrA binds GlnR boxes and represses nitrogen metabolism genes in <i>Streptomyces coelicolor</i> . Molecular Microbiology, 2019, 112, 29-46.	2.5	26
64	<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.	1.7	25
65	Structural and mechanistic insights into collagen degradation by a bacterial collagenolytic serine protease in the subtilisin family. Molecular Microbiology, 2013, 90, 997-1010.	2.5	25
66	Regulation of the biosynthesis of thiopeptide antibiotic cyclothiazomycin by the transcriptional regulator SHJG8833 in <i>Streptomyces hygroscopicus</i> 5008. Microbiology (United Kingdom), 2014, 160, 1379-1392.	1.8	25
67	<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.	1.7	24
68	<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.	1.7	23
69	Supramolecular architecture of photosynthetic membrane in red algae in response to nitrogen starvation. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1751-1758.	1.0	23
70	Mechanistic Insights into Dimethylsulfoniopropionate Lyase DddY, a New Member of the Cupin Superfamily. Journal of Molecular Biology, 2017, 429, 3850-3862.	4.2	22
71	Solid-state fermentation for Trichokonins production from <i>Trichoderma koningii</i> SMF2 and preparative purification of Trichokonin VI by a simple protocol. Journal of Biotechnology, 2007, 131, 209-215.	3.8	21
72	Mechanistic Insight into Trimethylamine N-Oxide Recognition by the Marine Bacterium <i>Ruegeria pomeroyi</i> DSS-3. Journal of Bacteriology, 2015, 197, 3378-3387.	2.2	21

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73	<i>Haliae atlantica</i> sp. nov., isolated from seawater, transfer of <i>Haliae mediterranea</i> to <i>Parahaliae</i> gen. nov. as <i>Parahaliae mediterranea</i> comb. nov. and emended description of the genus <i>Haliae</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3413-3418.	1.7	21
74	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.	3.8	20
75	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.	3.5	20
76	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.	3.6	19
77	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.	2.5	19
78	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.	3.8	19
79	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.	3.8	19
80	Reconstruction of the Functional Ecosystem in the High Light, Low Temperature Union Glacier Region, Antarctica. <i>Frontiers in Microbiology</i> , 2019, 10, 2408.	3.5	19
81	<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.	1.7	18
82	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.	4.2	18
83	Mechanistic insight into methylmercaptopropionate metabolism and kinetical regulation of demethylation pathway in marine dimethylsulfoniopropionate catabolizing bacteria. <i>Molecular Microbiology</i> , 2019, 111, 1057-1073.	2.5	18
84	Biogeographic traits of dimethyl sulfide and dimethylsulfoniopropionate cycling in polar oceans. <i>Microbiome</i> , 2021, 9, 207.	11.1	18
85	Acrylate protects a marine bacterium from grazing by a ciliate predator. <i>Nature Microbiology</i> , 2021, 6, 1351-1356.	13.3	18
86	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.	4.0	17
87	Structural mechanism for bacterial oxidation of oceanic trimethylamine into trimethylamine <i>N</i> -oxide. <i>Molecular Microbiology</i> , 2017, 103, 992-1003.	2.5	17
88	Extracellular Enzyme Activity and Its Implications for Organic Matter Cycling in Northern Chinese Marginal Seas. <i>Frontiers in Microbiology</i> , 2019, 10, 2137.	3.5	17
89	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, .	10.3	17
90	Mechanistic insight into acrylate metabolism and detoxification in marine dimethylsulfoniopropionate catabolizing bacteria. <i>Molecular Microbiology</i> , 2017, 105, 674-688.	2.5	16

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91	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, .	3.1	16
92	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.	3.5	16
93	Degradation and Utilization of Alginate by Marine <i>Pseudoalteromonas</i> : a Review. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0036821.	3.1	16
94	<i>Arcticiflavibacter luteus</i> gen. nov., sp. nov., a member of the family Flavobacteriaceae isolated from intertidal sand. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 144-149.	1.7	16
95	A Novel Alginate Lyase: Identification, Characterization, and Potential Application in Alginate Trisaccharide Preparation. <i>Marine Drugs</i> , 2022, 20, 159.	4.6	16
96	Rapid monitoring of autolysis process of proteases by capillary electrophoresis. <i>Biotechnology Letters</i> , 2003, 25, 1763-1767.	2.2	15
97	<i>Neptunomonas qingdaonensis</i> sp. nov., isolated from intertidal sand. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1673-1677.	1.7	15
98	<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.	1.7	15
99	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.	3.5	15
100	<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.	1.7	15
101	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
102	<i>Oceanisphaera profunda</i> sp. nov., a marine bacterium isolated from deep-sea sediment, and emended description of the genus <i>Oceanisphaera</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1252-1256.	1.7	14
103	Exopolysaccharides Play a Role in the Swarming of the Benthic Bacterium <i>Pseudoalteromonas</i> sp. SM9913. <i>Frontiers in Microbiology</i> , 2016, 7, 473.	3.5	14
104	Proteases from the marine bacteria in the genus <i>Pseudoalteromonas</i> : diversity, characteristics, ecological roles, and application potentials. <i>Marine Life Science and Technology</i> , 2020, 2, 309-323.	4.6	14
105	Study on a Novel Cold-Active and Halotolerant Monoacylglycerol Lipase Widespread in Marine Bacteria Reveals a New Group of Bacterial Monoacylglycerol Lipases Containing Unusual C(A/S)HSMG Catalytic Motifs. <i>Frontiers in Microbiology</i> , 2020, 11, 9.	3.5	14
106	<i>Erythrobacter xanthus</i> sp. nov., isolated from surface seawater of the South China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2459-2464.	1.7	14
107	<i>Puniceibacterium antarcticum</i> gen. nov., sp. nov., isolated from seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1566-1572.	1.7	13
108	Trophic Specialization Results in Genomic Reduction in Free-Living Marine <i>Idiomarina</i> Bacteria. <i>MBio</i> , 2019, 10, .	4.1	13

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109	<i>Arcticibacterium luteifluviistationis</i> gen. nov., sp. nov., isolated from Arctic seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 664-669.	1.7	13
110	Identification and Characterization of Three Chitinases with Potential in Direct Conversion of Crystalline Chitin into N,Nâ€²-diacetylchitobiose. <i>Marine Drugs</i> , 2022, 20, 165.	4.6	13
111	A Novel Subfamily Esterase with a Homoserine Transacetylase-like Fold but No Transferase Activity. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	12
112	Structural insights into the cold adaptation of the photosynthetic pigment-protein C-phycoyanin from an Arctic cyanobacterium. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 325-335.	1.0	12
113	Structure-Function Analysis Indicates that an Active-Site Water Molecule Participates in Dimethylsulfoniopropionate Cleavage by DddK. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	12
114	Culture Condition Optimization and Pilot Scale Production of the M12 Metalloprotease Myroilysin Produced by the Deep-Sea Bacterium <i>Myroides profundus</i> D25. <i>Molecules</i> , 2015, 20, 11891-11901.	3.8	11
115	Development of a Cold-Adapted <i>Pseudoalteromonas</i> Expression System for the <i>Pseudoalteromonas</i> Proteins Intractable for the <i>Escherichia coli</i> System. <i>PLoS ONE</i> , 2015, 10, e0137384.	2.5	11
116	<i>Pedobacter indicus</i> sp. nov., isolated from deep-sea sediment. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 357-364.	1.7	11
117	The Putative Methyltransferase TLAE1 Is Involved in the Regulation of Peptaibols Production in the Biocontrol Fungus <i>Trichoderma longibrachiatum</i> SMF2. <i>Frontiers in Microbiology</i> , 2020, 11, 1267.	3.5	11
118	Comparison of Alginate Utilization Pathways in Culturable Bacteria Isolated From Arctic and Antarctic Marine Environments. <i>Frontiers in Microbiology</i> , 2021, 12, 609393.	3.5	11
119	Autolysis of a novel multidomain subtilaseâ€™ cold-adapted deaseasin MCP-01 is pH-dependent and the surface loops in its catalytic domain, the linker, and the P ₁ propeptide domain are susceptible to proteolytic attack. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 704-709.	2.1	10
120	Structural Insights into the Multispecific Recognition of Dipeptides of Deep-Sea Gram-Negative Bacterium <i>Pseudoalteromonas</i> sp. Strain SM9913. <i>Journal of Bacteriology</i> , 2015, 197, 1125-1134.	2.2	10
121	Molecular Insight into the Acryloyl-CoA Hydration by AcuH for Acrylate Detoxification in Dimethylsulfoniopropionate-Catabolizing Bacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 2034.	3.5	10
122	A Novel Subfamily of Endo-Î²-1,4-Glucanases in Glycoside Hydrolase Family 10. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	10
123	Improvement of the production of an Arctic bacterial exopolysaccharide with protective effect on human skin cells against UV-induced oxidative stress. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4863-4875.	3.6	10
124	Evolutionary Trajectory of the Replication Mode of Bacterial Replicons. <i>MBio</i> , 2021, 12, .	4.1	10
125	<i>Tritonibacter aquimaris</i> sp. nov. and <i>Tritonibacter litoralis</i> sp. nov., two novel members of the <i>Roseobacter</i> group isolated from coastal seawater. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 787-798.	1.7	10
126	Taxonomic and Enzymatic Characterization of <i>Flocculibacter collagenilyticus</i> gen. nov., sp. nov., a Novel Gammaproteobacterium With High Collagenase Production. <i>Frontiers in Microbiology</i> , 2021, 12, 621161.	3.5	10

#	ARTICLE	IF	CITATIONS
127	Active site architecture of an acetyl xylan esterase indicates a novel cold adaptation strategy. <i>Journal of Biological Chemistry</i> , 2021, 297, 100841.	3.4	10
128	<i>Poseidonibacter antarcticus</i> sp. nov., isolated from Antarctic intertidal sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2717-2722.	1.7	10
129	Enhancing peptaibols production in the biocontrol fungus <i>Trichoderma longibrachiatum</i> SMF2 by elimination of a putative glucose sensor. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3030-3040.	3.3	9
130	Mechanisms for Induction of Microbial Extracellular Proteases in Response to Exterior Proteins. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	9
131	Mechanistic Insights into Substrate Recognition and Catalysis of a New Ulvan Lyase of Polysaccharide Lyase Family 24. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0041221.	3.1	9
132	Structure of <i>Vibrio</i> collagenase VhaC provides insight into the mechanism of bacterial collagenolysis. <i>Nature Communications</i> , 2022, 13, 566.	12.8	9
133	Insights into methionine S-methylation in diverse organisms. <i>Nature Communications</i> , 2022, 13, .	12.8	9
134	A New Group of Modular Xylanases in Glycoside Hydrolase Family 8 from Marine Bacteria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	8
135	Discovery of exolytic heparinases and their catalytic mechanism and potential application. <i>Nature Communications</i> , 2021, 12, 1263.	12.8	8
136	<i>Fluviibacterium aquatile</i> gen. nov., sp. nov., isolated from estuary sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 105-111.	1.7	8
137	TCA cycle enhancement and uptake of monomeric substrates support growth of marine <i>Roseobacter</i> at low temperature. <i>Communications Biology</i> , 2022, 5, .	4.4	8
138	Nascent Genomic Evolution and Allopatric Speciation of <i>Myroides profundus</i> D25 in Its Transition from Land to Ocean. <i>MBio</i> , 2016, 7, e01946-15.	4.1	7
139	Structural Visualization of Septum Formation in <i>Staphylococcus warneri</i> Using Atomic Force Microscopy. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	7
140	Experimental evidence for long-term coexistence of copiotrophic and oligotrophic bacteria in pelagic surface seawater. <i>Environmental Microbiology</i> , 2021, 23, 1162-1173.	3.8	7
141	Phylogenetic Distribution of Polysaccharide-Degrading Enzymes in Marine Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 658620.	3.5	7
142	Diversity of Marine 1,3-Xylan-Utilizing Bacteria and Characters of Their Extracellular 1,3-Xylanases. <i>Frontiers in Microbiology</i> , 2021, 12, 721422.	3.5	7
143	Mechanistic Insight into the Fragmentation of Type I Collagen Fibers into Peptides and Amino Acids by a <i>Vibrio</i> Collagenase. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0167721.	3.1	7
144	Mechanistic Insight into the Elastin Degradation Process by the Metalloprotease Myroilysin from the Deep-Sea Bacterium <i>Myroides profundus</i> D25. <i>Marine Drugs</i> , 2015, 13, 1481-1496.	4.6	6

#	ARTICLE	IF	CITATIONS
145	Characterization of a New M4 Metalloprotease With Collagen-Swelling Ability From Marine <i>Vibrio pomeroyi</i> Strain 12613. <i>Frontiers in Microbiology</i> , 2020, 11, 1868.	3.5	6
146	3,6-Anhydro-L-Galactose Dehydrogenase VvAHGD is a Member of a New Aldehyde Dehydrogenase Family and Catalyzes by a Novel Mechanism with Conformational Switch of Two Catalytic Residues Cysteine 282 and Glutamate 248. <i>Journal of Molecular Biology</i> , 2020, 432, 2186-2203.	4.2	6
147	Pilot-Scale Production and Thermostability Improvement of the M23 Protease Pseudoalterin from the Deep Sea Bacterium <i>Pseudoalteromonas</i> sp. CF6-2. <i>Molecules</i> , 2016, 21, 1567.	3.8	5
148	Characterization of a New M13 Metallopeptidase from Deep-Sea <i>Shewanella</i> sp. E525-6 and Mechanistic Insight into Its Catalysis. <i>Frontiers in Microbiology</i> , 2015, 6, 1498.	3.5	5
149	Complete genome sequence of a marine bacterium with two chromosomes, <i>Pseudoalteromonas translucida</i> KMM 520T. <i>Marine Genomics</i> , 2016, 26, 17-20.	1.1	5
150	Insight into the genome sequence of a sediment-adapted marine bacterium <i>Neptunomonas antarctica</i> S3-22T from Antarctica. <i>Marine Genomics</i> , 2016, 25, 29-31.	1.1	5
151	Complete genome sequence of <i>Arcticibacterium luteifluviistationis</i> SM1504T, a cytophagaceae bacterium isolated from Arctic surface seawater. <i>Standards in Genomic Sciences</i> , 2018, 13, 33.	1.5	3
152	Tripeptides From Casein Are Signal Molecules to Induce the Expression of the Extracellular Protease MCP-01 Gene in Marine Bacterium <i>Pseudoalteromonas</i> sp. SM9913. <i>Frontiers in Microbiology</i> , 2019, 10, 1354.	3.5	3
153	Crystal structures of β^3 -glutamylmethylamide synthetase provide insight into bacterial metabolism of oceanic monomethylamine. <i>Journal of Biological Chemistry</i> , 2021, 296, 100081.	3.4	3
154	Structural and Mechanistic Insights Into Dimethylsulfoxide Formation Through Dimethylsulfide Oxidation. <i>Frontiers in Microbiology</i> , 2021, 12, 735793.	3.5	3
155	Novel Insights into Dimethylsulfoniopropionate Catabolism by Cultivable Bacteria in the Arctic Kongsfjorden. <i>Applied and Environmental Microbiology</i> , 2021, , AEM0180621.	3.1	3
156	A Novel Gelatinase from Marine <i>Flocculibacter collagenilyticus</i> SM1988: Characterization and Potential Application in Collagen Oligopeptide-Rich Hydrolysate Preparation. <i>Marine Drugs</i> , 2022, 20, 48.	4.6	3
157	<i>Marinifaba aquimaris</i> gen. nov., sp. nov., a novel chitin-degrading gammaproteobacterium in the family Alteromonadaceae isolated from seawater of the Mariana Trench. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 947-955.	1.7	2
158	Lack of N-terminal segment of the flagellin protein results in the production of a shortened polar flagellum in a deep-sea sedimentary bacterium <i>Pseudoalteromonas</i> sp. SM9913. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0152721.	3.1	2
159	Comparative Transcriptome Analysis Reveals That Lactose Acts as an Inducer and Provides Proper Carbon Sources for Enhancing Exopolysaccharide Yield in the Deep-Sea Bacterium <i>Zunongwangia profunda</i> SM-A87. <i>PLoS ONE</i> , 2015, 10, e0115998.	2.5	1
160	Complete Genomic Sequence of <i>Pseudoalteromonas</i> sp. Strain SAO4-4, a Protease-Producing Bacterium Isolated from Seawater of the Atlantic Ocean. <i>Genome Announcements</i> , 2018, 6, .	0.8	1
161	Fluorescence recovery after photobleaching: analyses of cyanobacterial phycobilisomes reveal intrinsic fluorescence recovery. <i>Marine Life Science and Technology</i> , 2021, 3, 427-433.	4.6	1
162	α -Alanine Metabolism via α -Ala Aminotransferase by a Marine Gammaproteobacterium, <i>Pseudoalteromonas</i> sp. Strain CF6-2. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0221921.	3.1	1

#	ARTICLE	IF	CITATIONS
163	Description of <i>Aureibaculum luteum</i> sp. nov. and <i>Aureibaculum flavum</i> sp. nov. isolated from Antarctic intertidal sediments. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 391.	1.7	1
164	Characterization of the Trimethylamine N-Oxide Transporter From <i>Pelagibacter</i> Strain HTCC1062 Reveals Its Oligotrophic Niche Adaption. <i>Frontiers in Microbiology</i> , 2022, 13, 838608.	3.5	1
165	Internal pressure-induced formation of hemispherical poles in <i>Bacillus subtilis</i> . <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1205-1212.	1.7	0
166	Complete genome of <i>Pelagovum pacificum</i> SM1903T isolated from the marine surface oligotrophic environment. <i>Marine Genomics</i> , 2021, 59, 100874.	1.1	0
167	<i>Alteromonas oceanisediminis</i> sp. nov., isolated from deep-sea sediment. <i>Archives of Microbiology</i> , 2022, 204, 325.	2.2	0