Xiu-Lan Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

167 papers	5,306 citations	94433 37 h-index	118850 62 g-index
171 all docs	171 docs citations	171 times ranked	5693 citing authors

#	Article	IF	Citations
1	<scp>d</scp> -Alanine Metabolism via <scp>d-</scp> Ala Aminotransferase by a Marine Gammaproteobacterium, Pseudoalteromonas sp. Strain CF6-2. Applied and Environmental Microbiology, 2022, 88, AEM0221921.	3.1	1
2	Description of Aureibaculum luteum sp. nov. and Aureibaculum flavum sp. nov. isolated from Antarctic intertidal sediments. Antonie Van Leeuwenhoek, 2022, 115, 391.	1.7	1
3	A Novel Gelatinase from Marine Flocculibacter collagenilyticus SM1988: Characterization and Potential Application in Collagen Oligopeptide-Rich Hydrolysate Preparation. Marine Drugs, 2022, 20, 48.	4.6	3
4	Structure of Vibrio collagenase VhaC provides insight into the mechanism of bacterial collagenolysis. Nature Communications, 2022, 13, 566.	12.8	9
5	Characterization of the Trimethylamine N-Oxide Transporter From Pelagibacter Strain HTCC1062 Reveals Its Oligotrophic Niche Adaption. Frontiers in Microbiology, 2022, 13, 838608.	3.5	1
6	A Novel Alginate Lyase: Identification, Characterization, and Potential Application in Alginate Trisaccharide Preparation. Marine Drugs, 2022, 20, 159.	4.6	16
7	Identification and Characterization of Three Chitinases with Potential in Direct Conversion of Crystalline Chitin into N,Nâ€²-diacetylchitobiose. Marine Drugs, 2022, 20, 165.	4.6	13
8	Mechanistic Insight into the Fragmentation of Type I Collagen Fibers into Peptides and Amino Acids by a Vibrio Collagenase. Applied and Environmental Microbiology, 2022, 88, e0167721.	3.1	7
9	Alteromonas oceanisediminis sp. nov., isolated from deep-sea sediment. Archives of Microbiology, 2022, 204, 325.	2.2	0
10	Insights into methionine S-methylation in diverse organisms. Nature Communications, 2022, 13, .	12.8	9
11	TCA cycle enhancement and uptake of monomeric substrates support growth of marine Roseobacter at low temperature. Communications Biology, 2022, 5, .	4.4	8
12	Experimental evidence for longâ€term coexistence of copiotrophic and oligotrophic bacteria in pelagic surface seawater. Environmental Microbiology, 2021, 23, 1162-1173.	3.8	7
13	Crystal structures of Î³-glutamylmethylamide synthetase provide insight into bacterial metabolism of oceanic monomethylamine. Journal of Biological Chemistry, 2021, 296, 100081.	3.4	3
14	Comparison of Alginate Utilization Pathways in Culturable Bacteria Isolated From Arctic and Antarctic Marine Environments. Frontiers in Microbiology, 2021, 12, 609393.	3.5	11
15	Evolutionary Trajectory of the Replication Mode of Bacterial Replicons. MBio, 2021, 12, .	4.1	10
16	Discovery of exolytic heparinases and their catalytic mechanism and potential application. Nature Communications, 2021, 12, 1263.	12.8	8
17	Tritonibacter aquimaris sp. nov. and Tritonibacter litoralis sp. nov., two novel members of the Roseobacter group isolated from coastal seawater. Antonie Van Leeuwenhoek, 2021, 114, 787-798.	1.7	10
18	Phylogenetic Distribution of Polysaccharide-Degrading Enzymes in Marine Bacteria. Frontiers in Microbiology, 2021, 12, 658620.	3.5	7

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19	Taxonomic and Enzymatic Characterization of Flocculibacter collagenilyticus gen. nov., sp. nov., a Novel Gammaproteobacterium With High Collagenase Production. Frontiers in Microbiology, 2021, 12, 621161.	3.5	10
20	Characterization and Diversity Analysis of the Extracellular Proteases of Thermophilic Anoxybacillus caldiproteolyticus 1A02591 From Deep-Sea Hydrothermal Vent Sediment. Frontiers in Microbiology, 2021, 12, 643508.	3.5	16
21	Oxidation of trimethylamine to trimethylamine N -oxide facilitates high hydrostatic pressure tolerance in a generalist bacterial lineage. Science Advances, 2021, 7, .	10.3	17
22	Marinifaba aquimaris gen. nov., sp. nov., a novel chitinâ€degrading gammaproteobacterium in the family Alteromonadaceae isolated from seawater of the Mariana Trench. Antonie Van Leeuwenhoek, 2021, 114, 947-955.	1.7	2
23	Mechanistic Insights into Substrate Recognition and Catalysis of a New Ulvan Lyase of Polysaccharide Lyase Family 24. Applied and Environmental Microbiology, 2021, 87, e0041221.	3.1	9
24	A novel ATP dependent dimethylsulfoniopropionate lyase in bacteria that releases dimethyl sulfide and acryloyl-CoA. ELife, 2021, 10, .	6.0	38
25	Internal pressure-induced formation of hemispherical poles in Bacillus subtilis. Antonie Van Leeuwenhoek, 2021, 114, 1205-1212.	1.7	0
26	Fluorescence recovery after photobleaching: analyses of cyanobacterial phycobilisomes reveal intrinsic fluorescence recovery. Marine Life Science and Technology, 2021, 3, 427-433.	4.6	1
27	Active site architecture of an acetyl xylan esterase indicates a novel cold adaptation strategy. Journal of Biological Chemistry, 2021, 297, 100841.	3.4	10
28	Lack of N-terminal segment of the flagellin protein results in the production of a shortened polar flagellum in a deep-sea sedimentary bacterium Pseudoalteromonas sp. SM9913. Applied and Environmental Microbiology, 2021, 87, e0152721.	3.1	2
29	Degradation and Utilization of Alginate by Marine Pseudoalteromonas : a Review. Applied and Environmental Microbiology, 2021, 87, e0036821.	3.1	16
30	Structural and Mechanistic Insights Into Dimethylsulfoxide Formation Through Dimethylsulfide Oxidation. Frontiers in Microbiology, 2021, 12, 735793.	3.5	3
31	Complete genome of Pelagovum pacificum SM1903T isolated from the marine surface oligotrophic environment. Marine Genomics, 2021, 59, 100874.	1.1	0
32	Diversity of Marine 1,3-Xylan-Utilizing Bacteria and Characters of Their Extracellular 1,3-Xylanases. Frontiers in Microbiology, 2021, 12, 721422.	3.5	7
33	Biogeographic traits of dimethyl sulfide and dimethylsulfoniopropionate cycling in polar oceans. Microbiome, 2021, 9, 207.	11.1	18
34	Acrylate protects a marine bacterium from grazing by a ciliate predator. Nature Microbiology, 2021, 6, 1351-1356.	13.3	18
35	Novel Insights into Dimethylsulfoniopropionate Catabolism by Cultivable Bacteria in the Arctic Kongsfjorden. Applied and Environmental Microbiology, 2021, , AEM0180621.	3.1	3
36	Pedobacter indicus sp. nov., isolated from deep-sea sediment. Antonie Van Leeuwenhoek, 2020, 113, 357-364.	1.7	11

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37	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
38	Mechanisms for Induction of Microbial Extracellular Proteases in Response to Exterior Proteins. Applied and Environmental Microbiology, 2020, 86, .	3.1	9
39	Structural Visualization of Septum Formation in Staphylococcus warneri Using Atomic Force Microscopy. Journal of Bacteriology, 2020, 202, .	2.2	7
40	Characterization of a New M4 Metalloprotease With Collagen-Swelling Ability From Marine Vibrio pomeroyi Strain 12613. Frontiers in Microbiology, 2020, 11, 1868.	3.5	6
41	Proteases from the marine bacteria in the genus Pseudoalteromonas: diversity, characteristics, ecological roles, and application potentials. Marine Life Science and Technology, 2020, 2, 309-323.	4.6	14
42	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. Journal of Molecular Biology, 2020, 432, 2186-2203.	4.2	6
43	The Putative Methyltransferase TlLAE1 Is Involved in the Regulation of Peptaibols Production in the Biocontrol Fungus Trichoderma longibrachiatum SMF2. Frontiers in Microbiology, 2020, 11, 1267.	3.5	11
44	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. Frontiers in Microbiology, 2020, 11, 9.	3.5	14
45	Promotion of Wound Healing and Prevention of Frostbite Injury in Rat Skin by Exopolysaccharide from the Arctic Marine Bacterium Polaribacter sp. SM1127. Marine Drugs, 2020, 18, 48.	4.6	31
46	A predator-prey interaction between a marine Pseudoalteromonas sp. and Gram-positive bacteria. Nature Communications, 2020, 11, 285.	12.8	59
47	Improvement of the production of an Arctic bacterial exopolysaccharide with protective effect on human skin cells against UV-induced oxidative stress. Applied Microbiology and Biotechnology, 2020, 104, 4863-4875.	3.6	10
48	Structure and function of the Arctic and Antarctic marine microbiota as revealed by metagenomics. Microbiome, 2020, 8, 47.	11.1	61
49	Fluviibacterium aquatile gen. nov., sp. nov., isolated from estuary sediment. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 105-111.	1.7	8
50	Enhancing peptaibols production in the biocontrol fungusTrichoderma longibrachiatumSMF2 by elimination of a putative glucose sensor. Biotechnology and Bioengineering, 2019, 116, 3030-3040.	3.3	9
51	Tripeptides From Casein Are Signal Molecules to Induce the Expression of the Extracellular Protease MCP-01 Gene in Marine Bacterium Pseudoalteromonas sp. SM9913. Frontiers in Microbiology, 2019, 10, 1354.	3.5	3
52	A Novel Subfamily of Endo-Î²-1,4-Glucanases in Glycoside Hydrolase Family 10. Applied and Environmental Microbiology, 2019, 85, .	3.1	10
53	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. Journal of Molecular Biology, 2019, 431, 4897-4909.	4.2	18
54	Reconstruction of the Functional Ecosystem in the High Light, Low Temperature Union Glacier Region, Antarctica. Frontiers in Microbiology, 2019, 10, 2408.	3.5	19

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55	Extracellular Enzyme Activity and Its Implications for Organic Matter Cycling in Northern Chinese Marginal Seas. Frontiers in Microbiology, 2019, 10, 2137.	3.5	17
56	Mechanistic insight into 3â€²methylmercaptopropionate metabolism and kinetical regulation of demethylation pathway in marine dimethylsulfoniopropionateâ€catabolizing bacteria. Molecular Microbiology, 2019, 111, 1057-1073.	2.5	18
57	The developmental regulator MtrA binds GlnR boxes and represses nitrogen metabolism genes in Streptomyces coelicolor. Molecular Microbiology, 2019, 112, 29-46.	2.5	26
58	Structure-Function Analysis Indicates that an Active-Site Water Molecule Participates in Dimethylsulfoniopropionate Cleavage by DddK. Applied and Environmental Microbiology, 2019, 85, .	3.1	12
59	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
60	Trophic Specialization Results in Genomic Reduction in Free-Living Marine Idiomarina Bacteria. MBio, 2019, 10, .	4.1	13
61	Diversity of D-Amino Acid Utilizing Bacteria From Kongsfjorden, Arctic and the Metabolic Pathways for Seven D-Amino Acids. Frontiers in Microbiology, 2019, 10, 2983.	3.5	15
62	Poseidonibacter antarcticus sp. nov., isolated from Antarctic intertidal sediment. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2717-2722.	1.7	10
63	Diversity of Three-Dimensional Structures and Catalytic Mechanisms of Alginate Lyases. Applied and Environmental Microbiology, 2018, 84, .	3.1	72
64	Complete Genomic Sequence of Pseudoalteromonas sp. Strain SAO4-4, a Protease-Producing Bacterium Isolated from Seawater of the Atlantic Ocean. Genome Announcements, 2018, 6, .	0.8	1
65	Complete genome sequence of Arcticibacterium luteifluviistationis SM1504T, a cytophagaceae bacterium isolated from Arctic surface seawater. Standards in Genomic Sciences, 2018, 13, 33.	1.5	3
66	A New Group of Modular Xylanases in Glycoside Hydrolase Family 8 from Marine Bacteria. Applied and Environmental Microbiology, 2018, 84, .	3.1	8
67	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
68	Atomic Force Microscopy of Side Wall and Septa Peptidoglycan From Bacillus subtilis Reveals an Architectural Remodeling During Growth. Frontiers in Microbiology, 2018, 9, 620.	3.5	20
69	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
70	A Novel Subfamily Esterase with a Homoserine Transacetylase-like Fold but No Transferase Activity. Applied and Environmental Microbiology, 2017, 83, .	3.1	12
71	Novel Molecular Insights into the Catalytic Mechanism of Marine Bacterial Alginate Lyase AlyGC from Polysaccharide Lyase Family 6. Journal of Biological Chemistry, 2017, 292, 4457-4468.	3.4	101
72	Structural insights into the cold adaptation of the photosynthetic pigment-protein C-phycocyanin from an Arctic cyanobacterium. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 325-335.	1.0	12

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73	Mechanistic insight into acrylate metabolism and detoxification in marine dimethylsulfoniopropionateâ€catabolizing bacteria. Molecular Microbiology, 2017, 105, 674-688.	2.5	16
74	Structural mechanism for bacterial oxidation of oceanic trimethylamine into trimethylamine <scp>N</scp>â€oxide. Molecular Microbiology, 2017, 103, 992-1003.	2.5	17
75	Nitrogen Starvation Impacts the Photosynthetic Performance of Porphyridium cruentum as Revealed by Chlorophyll a Fluorescence. Scientific Reports, 2017, 7, 8542.	3.3	78
76	Structural and Mechanistic Insights into the Improvement of the Halotolerance of a Marine Microbial Esterase by Increasing Intra- and Interdomain Hydrophobic Interactions. Applied and Environmental Microbiology, 2017, 83, .	3.1	16
77	Preparation and functional evaluation of collagen oligopeptide-rich hydrolysate from fish skin with the serine collagenolytic protease from Pseudoalteromonas sp. SM9913. Scientific Reports, 2017, 7, 15716.	3.3	29
78	Mechanistic Insights into Dimethylsulfoniopropionate Lyase DddY, a New Member of the Cupin Superfamily. Journal of Molecular Biology, 2017, 429, 3850-3862.	4.2	22
79	Identification and Characterization of a Novel Salt-Tolerant Esterase from the Deep-Sea Sediment of the South China Sea. Frontiers in Microbiology, 2017, 08, 441.	3.5	40
80	Molecular Insight into the Acryloyl-CoA Hydration by AcuH for Acrylate Detoxification in Dimethylsulfoniopropionate-Catabolizing Bacteria. Frontiers in Microbiology, 2017, 8, 2034.	3.5	10
81	Arcticibacterium luteifluviistationis gen. nov., sp. nov., isolated from Arctic seawater. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 664-669.	1.7	13
82	Erythrobacter xanthus sp. nov., isolated from surface seawater of the South China Sea. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2459-2464.	1.7	14
83	Pilot-Scale Production and Thermostability Improvement of the M23 Protease Pseudoalterin from the Deep Sea Bacterium Pseudoalteromonas sp. CF6-2. Molecules, 2016, 21, 1567.	3.8	5
84	Exopolysaccharides Play a Role in the Swarming of the Benthic Bacterium Pseudoalteromonas sp. SM9913. Frontiers in Microbiology, 2016, 7, 473.	3.5	14
85	Characterization of a New Cold-Adapted and Salt-Activated Polysaccharide Lyase Family 7 Alginate Lyase from Pseudoalteromonas sp. SM0524. Frontiers in Microbiology, 2016, 7, 1120.	3.5	63
86	Characterization of a New S8 serine Protease from Marine Sedimentary Photobacterium sp. A5â€“7 and the Function of Its Protease-Associated Domain. Frontiers in Microbiology, 2016, 7, 2016.	3.5	36
87	Nascent Genomic Evolution and Allopatric Speciation of Myroides profundi D25 in Its Transition from Land to Ocean. MBio, 2016, 7, e01946-15.	4.1	7
88	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
89	Characterization and Biotechnological Potential Analysis of a New Exopolysaccharide from the Arctic Marine Bacterium Polaribacter sp. SM1127. Scientific Reports, 2016, 5, 18435.	3.3	84
90	Complete genome sequence of a marine bacterium with two chromosomes, Pseudoalteromonas translucida KMM 520T. Marine Genomics, 2016, 26, 17-20.	1.1	5

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91	Insight into the genome sequence of a sediment-adapted marine bacterium Neptunomonas antarctica S3-22T from Antarctica. Marine Genomics, 2016, 25, 29-31.	1.1	5
92	Cellular and molecular insight into the inhibition of primary root growth of Arabidopsis induced by peptaibols, a class of linear peptide antibiotics mainly produced byTrichodermaspp.. Journal of Experimental Botany, 2016, 67, 2191-2205.	4.8	42
93	Arcticiflavibacter luteus gen. nov., sp. nov., a member of the family Flavobacteriaceae isolated from intertidal sand. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 144-149.	1.7	16
94	Mechanistic Insights into Elastin Degradation by Pseudolysin, the Major Virulence Factor of the Opportunistic Pathogen Pseudomonas aeruginosa. Scientific Reports, 2015, 5, 9936.	3.3	34
95	Mechanistic Insight into the Elastin Degradation Process by the Metalloprotease Myroilysin from the Deep-Sea Bacterium Myroides profundi D25. Marine Drugs, 2015, 13, 1481-1496.	4.6	6
96	Diversity of cultivable protease-producing bacteria in sediments of Jiaozhou Bay, China. Frontiers in Microbiology, 2015, 6, 1021.	3.5	41
97	Culture Condition Optimization and Pilot Scale Production of the M12 Metalloprotease Myroilysin Produced by the Deep-Sea Bacterium Myroides profundi D25. Molecules, 2015, 20, 11891-11901.	3.8	11
98	Comparative Transcriptome Analysis Reveals That Lactose Acts as an Inducer and Provides Proper Carbon Sources for Enhancing Exopolysaccharide Yield in the Deep-Sea Bacterium Zunongwangia profunda SM-A87. PLoS ONE, 2015, 10, e0115998.	2.5	1
99	Development of a Cold-Adapted Pseudoalteromonas Expression System for the Pseudoalteromonas Proteins Intractable for the Escherichia coli System. PLoS ONE, 2015, 10, e0137384.	2.5	11
100	Bizionia arctica sp. nov., isolated from Arctic fjord seawater, and emended description of the genus Bizionia. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2925-2930.	1.7	15
101	Structural Insights into the Multispecific Recognition of Dipeptides of Deep-Sea Gram-Negative Bacterium Pseudoalteromonas sp. Strain SM9913. Journal of Bacteriology, 2015, 197, 1125-1134.	2.2	10
102	Deep RNA sequencing reveals a high frequency of alternative splicing events in the fungus Trichoderma longibrachiatum. BMC Genomics, 2015, 16, 54.	2.8	35
103	Physiological and genetic analyses reveal a mechanistic insight into the multifaceted lifestyles of <scp>P</scp>seudoalteromonas sp. <scp>SM</scp>9913 adapted to the deepâ€sea sediment. Environmental Microbiology, 2015, 17, 3795-3806.	3.8	20
104	Diversity, Structures, and Collagen-Degrading Mechanisms of Bacterial Collagenolytic Proteases. Applied and Environmental Microbiology, 2015, 81, 6098-6107.	3.1	106
105	Filamentous phages prevalent in Pseudoalteromonas spp. confer properties advantageous to host survival in Arctic sea ice. ISME Journal, 2015, 9, 871-881.	9.8	69
106	Interdomain Hydrophobic Interactions Modulate the Thermostability of Microbial Esterases from the Hormone-Sensitive Lipase Family. Journal of Biological Chemistry, 2015, 290, 11188-11198.	3.4	56
107	Structural and molecular basis for the novel catalytic mechanism and evolution of <scp>DddP</scp>, an abundant peptidaseâ€like bacterial Dimethylsulfoniopropionate lyase: a new enzyme from an old fold. Molecular Microbiology, 2015, 98, 289-301.	2.5	35
108	Mechanistic Insight into Trimethylamine N -Oxide Recognition by the Marine Bacterium Ruegeria pomeroyi DSS-3. Journal of Bacteriology, 2015, 197, 3378-3387.	2.2	21

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109	Characterization of a New M13 Metallopeptidase from Deep-Sea Shewanella sp. E525-6 and Mechanistic Insight into Its Catalysis. Frontiers in Microbiology, 2015, 6, 1498.	3.5	5
110	Haliea atlantica sp. nov., isolated from seawater, transfer of Haliea mediterranea to Parahaliea gen. nov. as Parahaliea mediterranea comb. nov. and emended description of the genus Haliea. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3413-3418.	1.7	21
111	Optimization of Fermentation Conditions for the Production of the M23 Protease Pseudoalterin by Deep-Sea Pseudoalteromonas sp. CF6-2 with Artery Powder as an Inducer. Molecules, 2014, 19, 4779-4790.	3.8	19
112	Regulation of the biosynthesis of thiopeptide antibiotic cyclothiazomycin by the transcriptional regulator SHJG8833 in Streptomyces hygroscopicus 5008. Microbiology (United Kingdom), 2014, 160, 1379-1392.	1.8	25
113	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. Journal of Biological Chemistry, 2014, 289, 29558-29569.	3.4	60
114	Comparative genomics of the marine bacterial genus <scp>G</scp>laciecola reveals the high degree of genomic diversity and genomic characteristic for cold adaptation. Environmental Microbiology, 2014, 16, 1642-1653.	3.8	72
115	Comparative Genomics Provide Insights into Evolution of Trichoderma Nutrition Style. Genome Biology and Evolution, 2014, 6, 379-390.	2.5	57
116	Polaribacter huanghezhanensis sp. nov., isolated from Arctic fjord sediment, and emended description of the genus Polaribacter. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 973-978.	1.7	32
117	Development of a genetic system for the deep-sea psychrophilic bacterium Pseudoalteromonas sp. SM9913. Microbial Cell Factories, 2014, 13, 13.	4.0	26
118	Puniceibacterium antarcticum gen. nov., sp. nov., isolated from seawater. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1566-1572.	1.7	13
119	A Proposed Genus Boundary for the Prokaryotes Based on Genomic Insights. Journal of Bacteriology, 2014, 196, 2210-2215.	2.2	708
120	Structural Basis for Dimerization and Catalysis of a Novel Esterase from the GTSAG Motif Subfamily of the Bacterial Hormone-sensitive Lipase Family. Journal of Biological Chemistry, 2014, 289, 19031-19041.	3.4	57
121	Oceanisphaera profunda sp. nov., a marine bacterium isolated from deep-sea sediment, and emended description of the genus Oceanisphaera. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1252-1256.	1.7	14
122	Characterization of a Novel Subtilisin-like Protease Myroicolsin from Deep Sea Bacterium Myroides profundi D25 and Molecular Insight into Its Collagenolytic Mechanism. Journal of Biological Chemistry, 2014, 289, 6041-6053.	3.4	32
123	Pseudorhodobacter antarcticus sp. nov., isolated from Antarctic intertidal sandy sediment, and emended description of the genus Pseudorhodobacter Uchino et al. 2002 emend. Jung et al. 2012. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 849-854.	1.7	25
124	Neptunomonas qingdaonensis sp. nov., isolated from intertidal sand. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1673-1677.	1.7	15
125	Arenitalea lutea gen. nov., sp. nov., a marine bacterium of the family Flavobacteriaceae isolated from intertidal sand. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 2853-2858.	1.7	18
126	Marinicauda pacifica 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

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127	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
128	Structure and Ecological Roles of a Novel Exopolysaccharide from the Arctic Sea Ice Bacterium Pseudoalteromonas sp. Strain SM20310. Applied and Environmental Microbiology, 2013, 79, 224-230.	3.1	94
129	Gene Cloning, Expression and Characterization of a Novel Xylanase from the Marine Bacterium, Glaciecola mesophila KMM241. Marine Drugs, 2013, 11, 1173-1187.	4.6	32
130	Albimonas pacifica sp. nov., isolated from seawater of the Pacific, and emended description of the genus Albimonas. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3597-3601.	1.7	15
131	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
132	Elastolytic Mechanism of a Novel M23 Metalloprotease Pseudoalterin from Deep-sea Pseudoalteromonas sp. CF6-2. Journal of Biological Chemistry, 2012, 287, 39710-39720.	3.4	31
133	Idiomarina maris sp. nov., a marine bacterium isolated from sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 370-375.	1.7	26
134	Antimicrobial peptaibols from Trichoderma pseudokoningii induce programmed cell death in plant fungal pathogens. Microbiology (United Kingdom), 2012, 158, 166-175.	1.8	140
135	Vibrio xiamenensis sp. nov., a cellulase-producing bacterium isolated from mangrove soil. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1958-1962.	1.7	34
136	Marinobacter antarcticus 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
137	Structural and Functional Characterization of Mature Forms of Metalloprotease E495 from Arctic Sea-Ice Bacterium Pseudoalteromonas sp. SM495. PLoS ONE, 2012, 7, e35442.	2.5	19
138	Cultivable Alginate Lyase-Excreting Bacteria Associated with the Arctic Brown Alga Laminaria. Marine Drugs, 2012, 10, 2481-2491.	4.6	74
139	Tenderization effect of cold-adapted collagenolytic protease MCP-01 on beef meat at low temperature and its mechanism. Food Chemistry, 2012, 134, 1738-1744.	8.2	64
140	Genetic structure of three fosmidâ€fragments encoding 16S rRNA genes of the Miscellaneous Crenarchaeotic Group (MCG): implications for physiology and evolution of marine sedimentary archaea. Environmental Microbiology, 2012, 14, 467-479.	3.8	19
141	Purification and Characterization of a Bifunctional Alginate Lyase from Pseudoalteromonas sp. SM0524. Marine Drugs, 2011, 9, 109-123.	4.6	84
142	Comparative genomics reveals a deep-sea sediment-adapted life style of Pseudoalteromonas sp. SM9913. ISME Journal, 2011, 5, 274-284.	9.8	117
143	Improvement of the quality of wheat bread by addition of glycoside hydrolase family 10 xylanases. Applied Microbiology and Biotechnology, 2011, 90, 509-515.	3.6	19
144	Extracellular metalloproteases from bacteria. Applied Microbiology and Biotechnology, 2011, 92, 253-262.	3.6	80

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145	Characterization of a cryptic plasmid pSM429 and its application for heterologous expression in psychrophilic Pseudoalteromonas. Microbial Cell Factories, 2011, 10, 30.	4.0	17
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#	Article	IF	Citations
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