

Bacterial competition: surviving and thriving in the mic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Biosystems analysis and engineering of microbial consortia for industrial biotechnology. <i>Engineering in Life Sciences</i> , 2010, 10, 407-421.	2.0	132
2	Actinobacteria: the good, the bad, and the ugly. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 143-150.	0.7	85
3	Evolutionary game theory: Theoretical concepts and applications to microbial communities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 4265-4298.	1.2	214
4	Ectomycorrhizal fungi and interspecific competition: species interactions, community structure, coexistence mechanisms, and future research directions. <i>New Phytologist</i> , 2010, 187, 895-910.	3.5	151
5	Natural variation in developmental life-history traits of the bacterium <i>Myxococcus xanthus</i> . <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	1.3	26
6	Effects of autochthonous microbial community on the die-off of fecal indicators in tropical beach sand. <i>FEMS Microbiology Ecology</i> , 2010, 74, 214-225.	1.3	57
7	A widespread family of polymorphic contact-dependent toxin delivery systems in bacteria. <i>Nature</i> , 2010, 468, 439-442.	13.7	292
8	Web of ecological interactions in an experimental gut microbiota. <i>Environmental Microbiology</i> , 2010, 12, 2677-2687.	1.8	36
9	Parasitic growth of <i>Pseudomonas aeruginosa</i> in co-culture with the chitinolytic bacterium <i>Aeromonas hydrophila</i> . <i>Environmental Microbiology</i> , 2010, 12, 1787-1802.	1.8	74
10	Antibacterial Compounds from Marine Vibrionaceae Isolated on a Global Expedition. <i>Marine Drugs</i> , 2010, 8, 2946-2960.	2.2	89
11	Evolutionary Game Theory in Growing Populations. <i>Physical Review Letters</i> , 2010, 105, 178101.	2.9	95
12	The <i>Vibrio cholerae</i> type VI secretion system displays antimicrobial properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19520-19524.	3.3	388
13	Small Molecules That Modulate Quorum Sensing and Control Virulence in <i>Pseudomonas aeruginosa</i> . <i>Journal of Organic Chemistry</i> , 2010, 75, 6737-6746.	1.7	103
14	A global network of coexisting microbes from environmental and whole-genome sequence data. <i>Genome Research</i> , 2010, 20, 947-959.	2.4	425
15	Biofilm Highlights. Springer Series on Biofilms, 2011, , .	0.0	32
16	Attenuation of Virulence in Pathogenic Bacteria Using Synthetic Quorum-Sensing Modulators under Native Conditions on Plant Hosts. <i>ACS Chemical Biology</i> , 2011, 6, 1348-1356.	1.6	48
17	Therapies Aimed at the Gut Microbiota and Inflammation: Antibiotics, Prebiotics, Probiotics, Synbiotics, Anti-inflammatory Therapies. <i>Gastroenterology Clinics of North America</i> , 2011, 40, 207-222.	1.0	56
18	Competitive and cooperative metabolic interactions in bacterial communities. <i>Nature Communications</i> , 2011, 2, 589.	5.8	413

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19	Systems-level analysis of microbial community organization through combinatorial labeling and spectral imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4152-4157.	3.3	273
20	Competition, Communication, Cooperation: Molecular Crosstalk in Multi-species Biofilms. <i>Springer Series on Biofilms</i> , 2011, , 29-40.	0.0	7
21	Bacteria in Agrobiolology: Plant Nutrient Management. , 2011, , .		35
22	Quenching the quorum sensing system: potential antibacterial drug targets. <i>Critical Reviews in Microbiology</i> , 2011, 37, 121-140.	2.7	282
23	Gut microbiota and the role of probiotics in therapy. <i>Current Opinion in Pharmacology</i> , 2011, 11, 593-603.	1.7	58
24	Macromolecular Inhibition of Quorum Sensing: Enzymes, Antibodies, and Beyond. <i>Chemical Reviews</i> , 2011, 111, 195-208.	23.0	162
25	Are pathogenic bacteria just looking for food? Metabolism and microbial pathogenesis. <i>Trends in Microbiology</i> , 2011, 19, 341-348.	3.5	306
26	Identification of Nitrogen-Incorporating Bacteria in Petroleum-Contaminated Arctic Soils by Using [¹⁵ N]DNA-Based Stable Isotope Probing and Pyrosequencing. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4163-4171.	1.4	120
27	A Coevolutionary Framework for Managing Disease-Suppressive Soils. <i>Annual Review of Phytopathology</i> , 2011, 49, 47-67.	3.5	191
28	Production of Bioactive Secondary Metabolites by Marine Vibrionaceae. <i>Marine Drugs</i> , 2011, 9, 1440-1468.	2.2	106
29	The Relevance of Marine Chemical Ecology to Plankton and Ecosystem Function: An Emerging Field. <i>Marine Drugs</i> , 2011, 9, 1625-1648.	2.2	106
30	Identification of interspecies interactions affecting <i>Porphyromonas gingivalis</i> virulence phenotypes. <i>Journal of Oral Microbiology</i> , 2011, 3, 8396.	1.2	18
31	Seasonal differences in bacterial community composition following nutrient additions in a eutrophic lake. <i>Environmental Microbiology</i> , 2011, 13, 887-899.	1.8	87
32	Biogenic ammonia modifies antibiotic resistance at a distance in physically separated bacteria. <i>Molecular Microbiology</i> , 2011, 81, 705-716.	1.2	147
33	Trade-off between oxygen and iron acquisition in bacterial cells at the air-liquid interface. <i>FEMS Microbiology Ecology</i> , 2011, 77, 83-94.	1.3	28
34	Antagonistic interaction networks among bacteria from a cold soil environment. <i>FEMS Microbiology Ecology</i> , 2011, 78, 376-385.	1.3	20
35	Microbial seed banks: the ecological and evolutionary implications of dormancy. <i>Nature Reviews Microbiology</i> , 2011, 9, 119-130.	13.6	1,365
36	Strong fences make good neighbours. <i>Nature Reviews Microbiology</i> , 2011, 9, 151-151.	13.6	5

#	ARTICLE	IF	CITATIONS
37	Competitive interactions in <i>Escherichia coli</i> populations: the role of bacteriocins. <i>ISME Journal</i> , 2011, 5, 71-81.	4.4	140
38	Response of <i>Prochlorococcus</i> ecotypes to co-culture with diverse marine bacteria. <i>ISME Journal</i> , 2011, 5, 1125-1132.	4.4	142
39	Characterization of a novel biosurfactant producing <i>Pseudomonas koreensis</i> lineage that is endemic to Cuatro Ci�negas Basin. <i>Systematic and Applied Microbiology</i> , 2011, 34, 531-535.	1.2	26
40	Decline and fall of epidemic meticillin-resistant <i>Staphylococcus aureus</i> -16. <i>Journal of Hospital Infection</i> , 2011, 79, 269-270.	1.4	3
41	Type VI secretion delivers bacteriolytic effectors to target cells. <i>Nature</i> , 2011, 475, 343-347.	13.7	643
42	A Guide to the Natural History of Freshwater Lake Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2011, 75, 14-49.	2.9	1,356
43	Home and away- the evolutionary dynamics of homing endonucleases. <i>BMC Evolutionary Biology</i> , 2011, 11, 324.	3.2	21
44	Quorum Sensing in Bacterial Species that Use Degenerate Autoinducers Can Be Tuned by Using Structurally Identical Non�native Ligands. <i>ChemBioChem</i> , 2011, 12, 138-147.	1.3	27
45	The perfect slime. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 251-259.	2.5	134
46	Screening of <i>Escherichia coli</i> Species Biodiversity Reveals New Biofilm-Associated Antiadhesion Polysaccharides. <i>MBio</i> , 2011, 2, e00043-11.	1.8	81
47	Evolutionary and population dynamics: A coupled approach. <i>Physical Review E</i> , 2011, 84, 051921.	0.8	43
48	Antiparallel and Interlinked Control of Cellular Iron Levels by the Irr and RirA Regulators of <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2011, 193, 3461-3472.	1.0	56
50	Quorum Quenching Revisited�From Signal Decays to Signalling Confusion. <i>Sensors</i> , 2012, 12, 4661-4696.	2.1	140
51	Function of the Pyruvate Oxidase-Lactate Oxidase Cascade in Interspecies Competition between <i>Streptococcus oligofermentans</i> and <i>Streptococcus mutans</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2120-2127.	1.4	47
52	Competition between species can stabilize public goods cooperation within a species. <i>Molecular Systems Biology</i> , 2012, 8, 621.	3.2	68
53	Wide Distribution of Closely Related, Antibiotic-Producing <i>Arthrobacter</i> Strains throughout the Arctic Ocean. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2039-2042.	1.4	33
54	Optimality and robustness in quorum sensing (QS)-mediated regulation of a costly public good enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19810-19815.	3.3	113
55	Enzymatic resistance to the lipopeptide surfactin as identified through imaging mass spectrometry of bacterial competition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13082-13087.	3.3	92

#	ARTICLE	IF	CITATIONS
56	A Hydration-Based Biophysical Index for the Onset of Soil Microbial Coexistence. <i>Scientific Reports</i> , 2012, 2, 881.	1.6	27
57	Structural Insights into the <i>Pseudomonas aeruginosa</i> Type VI Virulence Effector Tse1 Bacteriolysis and Self-protection Mechanisms. <i>Journal of Biological Chemistry</i> , 2012, 287, 26911-26920.	1.6	43
58	Are Uncultivated Bacteria Really Uncultivable?. <i>Microbes and Environments</i> , 2012, 27, 356-366.	0.7	123
59	Microbial life in the phyllosphere. <i>Nature Reviews Microbiology</i> , 2012, 10, 828-840.	13.6	1,600
60	Combined effect of I^{13} -irradiation and bacterial-fermented dextrose on microbiological quality of refrigerated pork sausages. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1098-1102.	1.4	7
61	Competition, Not Cooperation, Dominates Interactions among Culturable Microbial Species. <i>Current Biology</i> , 2012, 22, 1845-1850.	1.8	572
62	Plant Peptide Signaling: An Evolutionary Adaptation. <i>Signaling and Communication in Plants</i> , 2012, , 1-23.	0.5	5
63	Acyl-homoserine lactone-dependent eavesdropping promotes competition in a laboratory co-culture model. <i>ISME Journal</i> , 2012, 6, 2219-2228.	4.4	83
64	Surviving and Thriving in Terms of Symbiotic Performance of Antibiotic and Phage-Resistant Mutants of <i>Bradyrhizobium</i> of Soybean [<i>Glycine max</i> (L.) Merrill]. <i>Current Microbiology</i> , 2012, 65, 390-397.	1.0	14
65	Engineering heterologous iron siderophore complex utilization in rhizobia: Effect on growth of peanut and pigeon pea plants. <i>Applied Soil Ecology</i> , 2012, 53, 65-73.	2.1	16
66	Rules of engagement: defining bacterial communication. <i>Current Opinion in Microbiology</i> , 2012, 15, 155-161.	2.3	26
67	Genomic basis of broad host range and environmental adaptability of <i>Rhizobium tropici</i> CIAT 899 and <i>Rhizobium</i> sp. PRF 81 which are used in inoculants for common bean (<i>Phaseolus vulgaris</i> L.). <i>BMC Genomics</i> , 2012, 13, 735.	1.2	118
68	Metabolically versatile large-genome prokaryotes. <i>Current Opinion in Biotechnology</i> , 2012, 23, 467-473.	3.3	48
69	Predicting antimicrobial peptides from eukaryotic genomes: In silico strategies to develop antibiotics. <i>Peptides</i> , 2012, 37, 301-308.	1.2	37
70	What counters antibiotic resistance in nature?. <i>Nature Chemical Biology</i> , 2012, 8, 2-5.	3.9	60
71	Interspecific interactions in mixed microbial cultures in a biodegradation perspective. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 861-870.	1.7	109
72	Engineering ecosystems and synthetic ecologies. <i>Molecular BioSystems</i> , 2012, 8, 2470.	2.9	112
73	Microarray analysis and phenotypic response of <i>Pseudomonas aeruginosa</i> PAO1 under hyperbaric oxyhelium conditions. <i>Canadian Journal of Microbiology</i> , 2012, 58, 158-169.	0.8	4

#	ARTICLE	IF	CITATIONS
74	Prebiotics and Probiotics. <i>Nutrition in Clinical Practice</i> , 2012, 27, 195-200.	1.1	74
75	Phylogenetic and Trait-Based Assembly of Arbuscular Mycorrhizal Fungal Communities. <i>PLoS ONE</i> , 2012, 7, e36695.	1.1	127
76	Reduced Set of Virulence Genes Allows High Accuracy Prediction of Bacterial Pathogenicity in Humans. <i>PLoS ONE</i> , 2012, 7, e42144.	1.1	17
77	The Second Skin: Ecological Role of Epibiotic Biofilms on Marine Organisms. <i>Frontiers in Microbiology</i> , 2012, 3, 292.	1.5	423
78	Co-Cultures of <i>Pseudomonas aeruginosa</i> and <i>Roseobacter denitrificans</i> Reveal Shifts in Gene Expression Levels Compared to Solo Cultures. <i>Scientific World Journal</i> , The, 2012, 2012, 1-5.	0.8	11
79	GFP-tagged multimetal-tolerant bacteria and their detection in the rhizosphere of white mustard. <i>Annals of Microbiology</i> , 2012, 62, 559-567.	1.1	4
80	Volatile Mediated Interactions Between Bacteria and Fungi in the Soil. <i>Journal of Chemical Ecology</i> , 2012, 38, 665-703.	0.9	427
81	Inhibition and dispersal of <i>Agrobacterium tumefaciens</i> biofilms by a small diffusible <i>Pseudomonas aeruginosa</i> exoproduct(s). <i>Archives of Microbiology</i> , 2012, 194, 391-403.	1.0	19
82	Multi-species biofilms: how to avoid unfriendly neighbors. <i>FEMS Microbiology Reviews</i> , 2012, 36, 972-989.	3.9	235
83	Plant lectin-like antibacterial proteins from phytopathogens <i>Pseudomonas syringae</i> and <i>Xanthomonas citri</i> . <i>Environmental Microbiology Reports</i> , 2012, 4, 373-380.	1.0	28
84	Understanding microbial cooperation. <i>Journal of Theoretical Biology</i> , 2012, 299, 31-41.	0.8	108
85	The <i>Bacillus subtilis</i> cannibalism toxin SDP collapses the proton motive force and induces autolysis. <i>Molecular Microbiology</i> , 2012, 84, 486-500.	1.2	101
86	Increasing antagonistic interactions cause bacterial communities to collapse at high diversity. <i>Ecology Letters</i> , 2012, 15, 468-474.	3.0	167
87	Consortia-mediated bioprocessing of cellulose to ethanol with a symbiotic <i>Clostridium phytofermentans</i> /yeast co-culture. <i>Biotechnology for Biofuels</i> , 2013, 6, 59.	6.2	141
88	Killing of <i>Escherichia coli</i> by <i>Myxococcus xanthus</i> in Aqueous Environments Requires Exopolysaccharide-Dependent Physical Contact. <i>Microbial Ecology</i> , 2013, 66, 630-638.	1.4	20
90	Antagonistic Interactions Mediated by Marine Bacteria: The Role of Small Molecules. <i>Journal of Chemical Ecology</i> , 2013, 39, 879-891.	0.9	36
91	Negative regulation of bacterial quorum sensing tunes public goods cooperation. <i>ISME Journal</i> , 2013, 7, 2159-2168.	4.4	27
92	<i>Candida albicans</i> and <i>Pseudomonas aeruginosa</i> interactions: More than an opportunistic criminal association?. <i>Médecine Et Maladies Infectieuses</i> , 2013, 43, 146-151.	5.1	56

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93	Differentiation of big-six non-O157 Shiga-toxin producing Escherichia coli (STEC) on spread plates of mixed cultures using hyperspectral imaging. Journal of Food Measurement and Characterization, 2013, 7, 47-59.	1.6	30
94	Convergent Evolution of Hyperswarming Leads to Impaired Biofilm Formation in Pathogenic Bacteria. Cell Reports, 2013, 4, 697-708.	2.9	134
95	Evolutionary history predicts the stability of cooperation in microbial communities. Nature Communications, 2013, 4, 2573.	5.8	29
96	Investigation of roles of divalent cations in Shewanella oneidensis pellicle formation reveals unique impacts of insoluble iron. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5248-5257.	1.1	21
97	Impacts of Labile Organic Carbon Concentration on Organic and Inorganic Nitrogen Utilization by a Stream Biofilm Bacterial Community. Applied and Environmental Microbiology, 2013, 79, 7130-7141.	1.4	33
98	The Genotypic View of Social Interactions in Microbial Communities. Annual Review of Genetics, 2013, 47, 247-273.	3.2	257
99	An Erythroid Enhancer of <i>BCL11A</i> Subject to Genetic Variation Determines Fetal Hemoglobin Level. Science, 2013, 342, 253-257.	6.0	518
100	Life history trade-offs in cancer evolution. Nature Reviews Cancer, 2013, 13, 883-892.	12.8	207
101	Plant-bacteria interactions in the removal of pollutants. Current Opinion in Biotechnology, 2013, 24, 467-473.	3.3	118
102	Epizoic Barnacles Act as Pathogen Reservoirs on Shellfish Beds. Journal of Shellfish Research, 2013, 32, 533-538.	0.3	6
103	Ferric-Pyoverdine Recognition by Fpv Outer Membrane Proteins of Pseudomonas protegens Pf-5. Journal of Bacteriology, 2013, 195, 765-776.	1.0	39
104	Improvement of Ni phytostabilization by inoculation of Ni resistant Bacillus megaterium SR28C. Journal of Environmental Management, 2013, 128, 973-980.	3.8	96
105	Sub-dominant bacteria as keystone species in microbial communities producing bio-hydrogen. International Journal of Hydrogen Energy, 2013, 38, 4975-4985.	3.8	79
106	Erwinia amylovora loop-mediated isothermal amplification (LAMP) assay for rapid pathogen detection and on-site diagnosis of fire blight. Journal of Microbiological Methods, 2013, 92, 332-339.	0.7	71
107	Porous orthopedic steel implant as an antibiotic eluting device: Prevention of post-surgical infection on an ovine model. International Journal of Pharmaceutics, 2013, 452, 166-172.	2.6	33
108	Identification of antimicrobial resistant bacteria in rivers: Insights into the cultivation bias. Water Research, 2013, 47, 4938-4947.	5.3	31
109	Antagonism influences assembly of a <i>Bacillus</i> guild in a local community and is depicted as a food-chain network. ISME Journal, 2013, 7, 487-497.	4.4	94
110	Competition sensing: the social side of bacterial stress responses. Nature Reviews Microbiology, 2013, 11, 285-293.	13.6	389

#	ARTICLE	IF	CITATIONS
111	Hydration dynamics promote bacterial coexistence on rough surfaces. ISME Journal, 2013, 7, 395-404.	4.4	76
112	Labyrinthine clustering in a spatial rock-paper-scissors ecosystem. Physical Review E, 2013, 87, 042702.	0.8	25
113	Highly Potent Inhibitors of Quorum Sensing in Staphylococcus aureus Revealed Through a Systematic Synthetic Study of the Group-III Autoinducing Peptide. Journal of the American Chemical Society, 2013, 135, 7869-7882.	6.6	118
114	Biofilm formation and dispersal of Staphylococcus aureus under the influence of oxacillin. Microbial Pathogenesis, 2013, 61-62, 66-72.	1.3	49
115	Investigation of the dominance behavior of Saccharomyces cerevisiae strains during wine fermentation. International Journal of Food Microbiology, 2013, 165, 156-162.	2.1	29
116	Cellular cooperation: insights from microbes. Trends in Cell Biology, 2013, 23, 9-15.	3.6	85
117	Resource Use of Soilborne Streptomyces Varies with Location, Phylogeny, and Nitrogen Amendment. Microbial Ecology, 2013, 66, 961-971.	1.4	31
118	Wound bed preparation: ultrasonic-assisted debridement. British Journal of Nursing, 2013, 22, S36-S43.	0.3	14
119	Motility Enhancement through Surface Modification Is Sufficient for Cyanobacterial Community Organization during Phototaxis. PLoS Computational Biology, 2013, 9, e1003205.	1.5	33
120	<i>Porphyrromonas gingivalis</i> : keeping the pathos out of the biont. Journal of Oral Microbiology, 2013, 5, 19804.	1.2	61
121	Structural Determinants for Activity and Specificity of the Bacterial Toxin LlpA. PLoS Pathogens, 2013, 9, e1003199.	2.1	33
122	A New Class of Quorum Quenching Molecules from Staphylococcus Species Affects Communication and Growth of Gram-Negative Bacteria. PLoS Pathogens, 2013, 9, e1003654.	2.1	47
123	High Variation of Fluorescence Protein Maturation Times in Closely Related Escherichia coli Strains. PLoS ONE, 2013, 8, e75991.	1.1	83
124	Probing the fractal pattern and organization of <i>Bacillus thuringiensis</i> bacteria colonies growing under different conditions using quantitative spectral light scattering polarimetry. Journal of Biomedical Optics, 2013, 18, 035003.	1.4	9
125	Quantitative spectral light scattering polarimetry for monitoring fractal growth pattern of <i>Bacillus thuringiensis</i> bacterial colonies. Proceedings of SPIE, 2013, , .	0.8	0
126	Complex structure of type VI peptidoglycan muramidase effector and a cognate immunity protein. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 1889-1900.	2.5	18
127	Antibiotic Classes and Mechanisms of Resistance. , 2013, , 1-13.		0
128	Prevalence of Borrelia burgdorferi sensu stricto, Borrelia afzelii, Borrelia garinii, and Borrelia valaisiana in Ixodes ricinus ticks from the northwest of Norway. Scandinavian Journal of Infectious Diseases, 2013, 45, 681-687.	1.5	14

#	ARTICLE	IF	CITATIONS
129	Bacterial invasion potential in water is determined by nutrient availability and the indigenous community. <i>FEMS Microbiology Ecology</i> , 2013, 85, 593-603.	1.3	41
130	Phosphate limitation induces the intergeneric inhibition of <i>Pseudomonas aeruginosa</i> by <i>Serratia marcescens</i> isolated from paper machines. <i>FEMS Microbiology Ecology</i> , 2013, 84, 577-587.	1.3	11
131	Optimization of oncogene expression through intra-population competition. <i>Biotechnology Journal</i> , 2013, 8, 1476-1484.	1.8	3
132	Role of a Microcin-C ₁ -like biosynthetic gene cluster in allelopathic interactions in marine <i>Synechococcus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12030-12035.	3.3	45
133	Type 6 Secretion System-Mediated Immunity to Type 4 Secretion System-Mediated Gene Transfer. <i>Science</i> , 2013, 342, 250-253.	6.0	120
134	Competition of motile and immotile bacterial strains in a petri dish. <i>Mathematical Biosciences and Engineering</i> , 2013, 10, 399-424.	1.0	2
135	Identification of Commensal <i>Escherichia coli</i> Genes Involved in Biofilm Resistance to Pathogen Colonization. <i>PLoS ONE</i> , 2013, 8, e61628.	1.1	33
136	Context-Dependent Competition in a Model Gut Bacterial Community. <i>PLoS ONE</i> , 2013, 8, e67210.	1.1	25
137	Loss of Competition in the Outside Host Environment Generates Outbreaks of Environmental Opportunist Pathogens. <i>PLoS ONE</i> , 2013, 8, e71621.	1.1	19
138	Subinhibitory Antibiotic Concentrations Mediate Nutrient Use and Competition among Soil <i>Streptomyces</i> . <i>PLoS ONE</i> , 2013, 8, e81064.	1.1	44
139	Microbial Competition in Polar Soils: A Review of an Understudied but Potentially Important Control on Productivity. <i>Biology</i> , 2013, 2, 533-554.	1.3	34
140	Suppression of <i>Listeria monocytogenes</i> by the Native Micro-Flora in Teewurst Sausage. <i>Foods</i> , 2013, 2, 478-487.	1.9	2
141	The roles of transition metals in the physiology and pathogenesis of <i>Streptococcus pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 92.	1.8	62
142	Engineering Rhizobial Bioinoculants: A Strategy to Improve Iron Nutrition. <i>Scientific World Journal</i> , The, 2013, 2013, 1-15.	0.8	22
143	Adaptation of <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis Airways Influences Virulence of <i>Staphylococcus aureus</i> In Vitro and Murine Models of Co-Infection. <i>PLoS ONE</i> , 2014, 9, e89614.	1.1	138
144	Anti-Biofilm Activity: A Function of <i>Klebsiella pneumoniae</i> Capsular Polysaccharide. <i>PLoS ONE</i> , 2014, 9, e99995.	1.1	38
145	Examination of Bacterial Inhibition Using a Catalytic DNA. <i>PLoS ONE</i> , 2014, 9, e115640.	1.1	5
147	Quorum Quenching Agents: Resources for Antivirulence Therapy. <i>Marine Drugs</i> , 2014, 12, 3245-3282.	2.2	141

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148	Antagonism between clinical and environmental isolates of <i>Pseudomonas aeruginosa</i> against coliforms. <i>Water Science and Technology: Water Supply</i> , 2014, 14, 99-106.	1.0	1
149	Bacterial fight-and-flight responses enhance virulence in a polymicrobial infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7819-7824.	3.3	153
150	Molecular mechanism for self-protection against the type VI secretion system in <i>Vibrio cholerae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1094-1103.	2.5	5
152	Nutrient-responsive regulation determines biodiversity in a colicin-mediated bacterial community. <i>BMC Biology</i> , 2014, 12, 68.	1.7	42
154	An Enhanced Direct Process Temperature Validation Framework in Composting: Case Study of a Full-Scale Covered Aerated Static Pile. <i>Compost Science and Utilization</i> , 2014, 22, 164-178.	1.2	3
155	A new biofilm-associated colicin with increased efficiency against biofilm bacteria. <i>ISME Journal</i> , 2014, 8, 1275-1288.	4.4	39
156	Responses of beneficial <i>Bacillus amyloliquefaciens</i> SQR9 to different soilborne fungal pathogens through the alteration of antifungal compounds production. <i>Frontiers in Microbiology</i> , 2014, 5, 636.	1.5	145
157	Nutrient cross-feeding in the microbial world. <i>Frontiers in Microbiology</i> , 2014, 5, 350.	1.5	261
158	Inflammation Fuels Colicin Ib-Dependent Competition of <i>Salmonella</i> Serovar Typhimurium and <i>E. coli</i> in Enterobacterial Blooms. <i>PLoS Pathogens</i> , 2014, 10, e1003844.	2.1	95
159	Deciphering microbial interactions and detecting keystone species with co-occurrence networks. <i>Frontiers in Microbiology</i> , 2014, 5, 219.	1.5	1,109
160	Impact of interspecific interactions on antimicrobial activity among soil bacteria. <i>Frontiers in Microbiology</i> , 2014, 5, 567.	1.5	109
161	Draft Genome Sequences of Two Antimicrobial-Producing <i>Burkholderia</i> sp. Strains, MSh1 and MSh2, Isolated from Malaysian Tropical Peat Swamp Forest Soil. <i>Genome Announcements</i> , 2014, 2, .	0.8	3
162	A constructive differential game approach to collision avoidance in multi-agent systems. , 2014, , .		17
163	Biophysical controls on cluster dynamics and architectural differentiation of microbial biofilms in contrasting flow environments. <i>Environmental Microbiology</i> , 2014, 16, 802-812.	1.8	29
164	Diet quality determines interspecific parasite interactions in host populations. <i>Ecology and Evolution</i> , 2014, 4, 3093-3102.	0.8	32
165	The Paradox of Mixed-Species Biofilms in the Context of Food Safety. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014, 13, 990-1011.	5.9	62
166	Mobility-dependent selection of competing strategy associations. <i>Physical Review E</i> , 2014, 89, 012721.	0.8	21
167	Using metabolomic and transportomic modeling and machine learning to identify putative novel therapeutic targets for antibiotic resistant <i>Pseudomonad</i> infections. , 2014, 2014, 314-7.		2

#	ARTICLE	IF	CITATIONS
168	Whole Genome: Next-Generation Sequencing as a Virus Safety Test for Biotechnological Products. PDA Journal of Pharmaceutical Science and Technology, 2014, 68, 631-638.	0.3	8
169	Real-time monitoring of quorum sensing in 3D-printed bacterial aggregates using scanning electrochemical microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18255-18260.	3.3	157
170	Tetracycline modifies competitive interactions in experimental microcosms containing bacteria isolated from freshwater. FEMS Microbiology Ecology, 2014, 90, 168-174.	1.3	6
171	Nutrient overlap, genetic relatedness and spatial origin influence interaction-mediated shifts in inhibitory phenotype among <i>Streptomyces</i> spp.. FEMS Microbiology Ecology, 2014, 90, 264-275.	1.3	26
172	Effect of incubation temperature on variations in bacterial communities grown in fermenting meju and the nutritional quality of soy sauce. Food Science and Biotechnology, 2014, 23, 1921-1928.	1.2	10
173	Chemical warfare and survival strategies in bacterial range expansions. Journal of the Royal Society Interface, 2014, 11, 20140172.	1.5	90
174	Motility versus fluctuations in mixtures of self-motile and passive agents. Soft Matter, 2014, 10, 9082-9089.	1.2	23
175	Historical account on gaining insights on the mechanism of crown gall tumorigenesis induced by <i>Agrobacterium tumefaciens</i> . Frontiers in Microbiology, 2014, 5, 340.	1.5	60
176	Antibiotics from neglected bacterial sources. International Journal of Medical Microbiology, 2014, 304, 14-22.	1.5	106
177	Bacterial social networks: structure and composition of <i>Mycococcus xanthus</i> outer membrane vesicle chains. Environmental Microbiology, 2014, 16, 598-610.	1.8	122
178	Interactions in the microbiome: communities of organisms and communities of genes. FEMS Microbiology Reviews, 2014, 38, 90-118.	3.9	174
179	Competitive exclusion in a two-species chemotaxis model. Journal of Mathematical Biology, 2014, 68, 1607-1626.	0.8	124
180	Patterns of Rare and Abundant Marine Microbial Eukaryotes. Current Biology, 2014, 24, 813-821.	1.8	450
181	Globally synchronized oscillations in complex cyclic games. Physical Review E, 2014, 89, 032133.	0.8	30
182	Auto-regulation of DNA degrading bacteriocins: molecular and ecological aspects. Antonie Van Leeuwenhoek, 2014, 105, 823-834.	0.7	18
183	Diffuse symbioses: roles of plant-plant, plant-microbe and microbe-microbe interactions in structuring the soil microbiome. Molecular Ecology, 2014, 23, 1571-1583.	2.0	143
184	Global biogeography of <i>Streptomyces</i> antibiotic inhibition, resistance, and resource use. FEMS Microbiology Ecology, 2014, 88, 386-397.	1.3	47
185	Rhizobacterial salicylate production provokes headaches!. Plant and Soil, 2014, 382, 1-16.	1.8	53

#	ARTICLE	IF	CITATIONS
186	Solid ^â Phase Synthesis and Biological Evaluation of <i>N</i> -Dipeptido ^L -Homoserine Lactones as Quorum Sensing Activators. <i>ChemBioChem</i> , 2014, 15, 460-465.	1.3	6
187	Volatiles produced by the mycophagous soil bacterium <i>Collimonas</i> . <i>FEMS Microbiology Ecology</i> , 2014, 87, 639-649.	1.3	139
188	<i>Candida albicans</i> Airway Exposure Primes the Lung Innate Immune Response against <i>Pseudomonas aeruginosa</i> Infection through Innate Lymphoid Cell Recruitment and Interleukin-22-Associated Mucosal Response. <i>Infection and Immunity</i> , 2014, 82, 306-315.	1.0	46
189	Biodiversity and species identity shape the antifungal activity of bacterial communities. <i>Ecology</i> , 2014, 95, 1184-1190.	1.5	52
190	Bringing microbial interactions to light using imaging mass spectrometry. <i>Natural Product Reports</i> , 2014, 31, 739.	5.2	52
192	Gluconic acid produced by <i>Gluconacetobacter diazotrophicus</i> Pal5 possesses antimicrobial properties. <i>Research in Microbiology</i> , 2014, 165, 549-558.	1.0	24
193	Games of life and death: antibiotic resistance and production through the lens of evolutionary game theory. <i>Current Opinion in Microbiology</i> , 2014, 21, 35-44.	2.3	36
194	Interaction between atypical microorganisms and <i>E. coli</i> in catheter-associated urinary tract biofilms. <i>Biofouling</i> , 2014, 30, 893-902.	0.8	27
195	Pumping iron to keep fit: modulation of siderophore secretion helps efficient aromatic utilization in <i>Pseudomonas putida</i> KT2440. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1393-1400.	0.7	15
196	Evolution of Resistance to a Last-Resort Antibiotic in <i>Staphylococcus aureus</i> via Bacterial Competition. <i>Cell</i> , 2014, 158, 1060-1071.	13.5	178
197	Extinction, coexistence, and localized patterns of a bacterial population with contact-dependent inhibition. <i>BMC Systems Biology</i> , 2014, 8, 23.	3.0	17
198	Biological ¹² C ¹³ C fractionation increases with increasing community-complexity in soil microcosms. <i>Soil Biology and Biochemistry</i> , 2014, 69, 197-201.	4.2	20
199	A model-based approach to detect interspecific interactions during biofilm development. <i>Biofouling</i> , 2014, 30, 761-771.	0.8	23
200	Impacts of engineered nanomaterials on microbial community structure and function in natural and engineered ecosystems. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8457-8468.	1.7	33
201	Structural basis for recognition of the type VI spike protein VgrG3 by a cognate immunity protein. <i>FEBS Letters</i> , 2014, 588, 1891-1898.	1.3	6
202	Modifiable risk factors in periodontitis: at the intersection of aging and disease. <i>Periodontology</i> 2000, 2014, 64, 7-19.	6.3	142
203	Species matter: the role of competition in the assembly of congeneric bacteria. <i>ISME Journal</i> , 2014, 8, 531-540.	4.4	38
206	The Roles of Inflammation, Nutrient Availability and the Commensal Microbiota in Enteric Pathogen Infection. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	162

#	ARTICLE	IF	CITATIONS
207	Competition for space during bacterial colonization of a surface. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150608.	1.5	60
208	Microbial "social networks". <i>BMC Genomics</i> , 2015, 16, S6.	1.2	52
209	Trophic interactions induce spatial self-organization of microbial consortia on rough surfaces. <i>Scientific Reports</i> , 2014, 4, 6757.	1.6	21
210	Bacterial social interactions drive the emergence of differential spatial colony structures. <i>BMC Systems Biology</i> , 2015, 9, 59.	3.0	62
211	A population study of killer viruses reveals different evolutionary histories of two closely related <i>Saccharomyces sensu stricto</i> yeasts. <i>Molecular Ecology</i> , 2015, 24, 4312-4322.	2.0	26
212	Frequency-dependent selection at rough expanding fronts. <i>New Journal of Physics</i> , 2015, 17, 103035.	1.2	2
213	Meeting the criteria: linking biofilter design to fecal indicator bacteria removal. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 577-592.	2.8	39
214	Soil carbon controlled by plant, microorganism and mineralogy interactions. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	15
215	Redox regime shifts in microbially mediated biogeochemical cycles. <i>Biogeosciences</i> , 2015, 12, 3713-3724.	1.3	12
216	Chronic Zinc Deficiency Alters Chick Gut Microbiota Composition and Function. <i>Nutrients</i> , 2015, 7, 9768-9784.	1.7	163
217	Ecology of Anti-Biofilm Agents I: Antibiotics versus Bacteriophages. <i>Pharmaceuticals</i> , 2015, 8, 525-558.	1.7	60
218	Enrichment experiment changes microbial interactions in an ultra-oligotrophic environment. <i>Frontiers in Microbiology</i> , 2015, 6, 246.	1.5	57
219	Complexities of cell-to-cell communication through membrane vesicles: implications for selective interaction of membrane vesicles with microbial cells. <i>Frontiers in Microbiology</i> , 2015, 6, 633.	1.5	27
220	<i>Pseudomonas aeruginosa</i> inhibits the growth of <i>Scedosporium aurantiacum</i> , an opportunistic fungal pathogen isolated from the lungs of cystic fibrosis patients. <i>Frontiers in Microbiology</i> , 2015, 6, 866.	1.5	52
221	Cooperative pathogenicity in cystic fibrosis: <i>Stenotrophomonas maltophilia</i> modulates <i>Pseudomonas aeruginosa</i> virulence in mixed biofilm. <i>Frontiers in Microbiology</i> , 2015, 6, 951.	1.5	82
222	Volatiles in Inter-Specific Bacterial Interactions. <i>Frontiers in Microbiology</i> , 2015, 6, 1412.	1.5	84
223	Methods for Baiting and Enriching Fungus-Feeding (Mycophagous) Rhizosphere Bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 1416.	1.5	22
224	Biofilm Formation As a Response to Ecological Competition. <i>PLoS Biology</i> , 2015, 13, e1002191.	2.6	232

#	ARTICLE	IF	CITATIONS
225	Animal models of polymicrobial pneumonia. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3279.	2.0	17
226	The Gut Bacterium <i>Bacteroides thetaiotaomicron</i> Influences the Virulence Potential of the Enterohemorrhagic <i>Escherichia coli</i> O103:H25. <i>PLoS ONE</i> , 2015, 10, e0118140.	1.1	16
227	A Legume Genetic Framework Controls Infection of Nodules by Symbiotic and Endophytic Bacteria. <i>PLoS Genetics</i> , 2015, 11, e1005280.	1.5	97
228	Multifactorial Competition and Resistance in a Two-Species Bacterial System. <i>PLoS Genetics</i> , 2015, 11, e1005715.	1.5	62
229	Escape from Lethal Bacterial Competition through Coupled Activation of Antibiotic Resistance and a Mobilized Subpopulation. <i>PLoS Genetics</i> , 2015, 11, e1005722.	1.5	56
230	Distinct but Spatially Overlapping Intestinal Niches for Vancomycin-Resistant <i>Enterococcus faecium</i> and Carbapenem-Resistant <i>Klebsiella pneumoniae</i> . <i>PLoS Pathogens</i> , 2015, 11, e1005132.	2.1	100
231	Modulation of antibacterial activity of actinomycetes by co-culture with pathogenic bacteria. <i>Bangladesh Pharmaceutical Journal</i> , 2015, 18, 61-65.	0.1	3
232	Bacteriocin expression in sessile and planktonic populations of <i>Escherichia coli</i> . <i>Journal of Antibiotics</i> , 2015, 68, 52-55.	1.0	11
233	A microfluidic approach to study the effect of bacterial interactions on antimicrobial susceptibility in polymicrobial cultures. <i>RSC Advances</i> , 2015, 5, 35211-35223.	1.7	42
234	Counteraction of antibiotic production and degradation stabilizes microbial communities. <i>Nature</i> , 2015, 521, 516-519.	13.7	272
235	Effect of arsenic on tolerance mechanisms of two plant growth-promoting bacteria used as biological inoculants. <i>Journal of Environmental Sciences</i> , 2015, 33, 203-210.	3.2	38
236	Growth Inhibition of Bacterial Fish Pathogens and Quorum Sensing Blocking by Bacteria Recovered from Chilean Salmonid Farms. <i>Journal of Aquatic Animal Health</i> , 2015, 27, 112-122.	0.6	19
237	Isolation of phenazine 1,6-di-carboxylic acid from <i>Pseudomonas aeruginosa</i> strain HRW.1-S3 and its role in biofilm-mediated crude oil degradation and cytotoxicity against bacterial and cancer cells. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8653-8665.	1.7	38
238	Diversity, Dynamics and Functional Role of Actinomycetes on European Smear Ripened Cheeses. , 2015, , .		2
239	Marine Microbial Secondary Metabolites. <i>Advances in Microbial Physiology</i> , 2015, 66, 357-428.	1.0	29
240	Survival of <i>Listeria monocytogenes</i> in Soil Requires AgrA-Mediated Regulation. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5073-5084.	1.4	35
241	Conjunctively screening of biocontrol agents (BCAs) against fusarium root rot and fusarium head blight caused by <i>Fusarium graminearum</i> . <i>Microbiological Research</i> , 2015, 177, 34-42.	2.5	58
242	Microbial Interactions in Smear-Ripened Cheeses. , 2015, , 155-166.		2

#	ARTICLE	IF	CITATIONS
243	Pediatric Cystic Fibrosis Sputum Can Be Chemically Dynamic, Anoxic, and Extremely Reduced Due to Hydrogen Sulfide Formation. <i>MBio</i> , 2015, 6, e00767.	1.8	137
244	Which games are growing bacterial populations playing?. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150121.	1.5	51
245	Probiotics in Poultry. <i>Microbiology Monographs</i> , 2015, , 1-19.	0.3	13
246	Conjugative transfer of a derivative of the IncP-1 \pm plasmid RP4 and establishment of transconjugants in the indigenous bacterial community of poplar plants. <i>FEMS Microbiology Letters</i> , 2015, 362, fnv201.	0.7	3
247	Extracellular matrix structure governs invasion resistance in bacterial biofilms. <i>ISME Journal</i> , 2015, 9, 1700-1709.	4.4	172
248	Genetic signatures indicate widespread antibiotic resistance and phage infection in microbial communities of the McMurdo Dry Valleys, East Antarctica. <i>Polar Biology</i> , 2015, 38, 919-925.	0.5	28
250	Microbial interaction between a <i>CTX</i> -producing <i>Escherichia coli</i> and a susceptible <i>Pseudomonas aeruginosa</i> isolated from bronchoalveolar lavage: influence of cefotaxime in the dual-species biofilm formation. <i>Environmental Microbiology Reports</i> , 2015, 7, 420-426.	1.0	1
251	Uncovering effects of antibiotics on the host and microbiota using transkingdom gene networks. <i>Gut</i> , 2015, 64, 1732-1743.	6.1	261
252	Novel Phage Lysin Capable of Killing the Multidrug-Resistant Gram-Negative Bacterium <i>Acinetobacter baumannii</i> in a Mouse Bacteremia Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1983-1991.	1.4	214
253	Structural diversity and possible functional roles of free fatty acids of the novel soil isolate <i>Streptomyces</i> sp. NP10. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4815-4833.	1.7	18
254	Microbial Activities and Intestinal Homeostasis: A Delicate Balance Between Health and Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 28-40.	2.3	137
255	Role of Secondary Metabolites in Establishment of the Mutualistic Partnership between <i>Xenorhabdus nematophila</i> and the Entomopathogenic Nematode <i>Steinernema carpocapsae</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 754-764.	1.4	32
256	Isocline analysis of competition predicts stable coexistence of two amphibians. <i>Oecologia</i> , 2015, 178, 153-159.	0.9	9
257	Autonomous Pattern Formation of Micro-organic Cell Density with Optical Interlink between Two Isolated Culture Dishes. <i>Artificial Life</i> , 2015, 21, 234-246.	1.0	2
258	Most of the Dominant Members of Amphibian Skin Bacterial Communities Can Be Readily Cultured. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6589-6600.	1.4	58
259	Metabolic co-dependence gives rise to collective oscillations within biofilms. <i>Nature</i> , 2015, 523, 550-554.	13.7	393
260	Antimicrobial peptides and proteins in the face of extremes: Lessons from archaeocins. <i>Biochimie</i> , 2015, 118, 344-355.	1.3	63
261	Screening the optimal ratio of symbiosis between isolated yeast and acetic acid bacteria strain from traditional kombucha for high-level production of glucuronic acid. <i>LWT - Food Science and Technology</i> , 2015, 64, 1149-1155.	2.5	77

#	ARTICLE	IF	CITATIONS
262	A multidrug resistance plasmid contains the molecular switch for type VI secretion in <i>Acinetobacter baumannii</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9442-9447.	3.3	170
263	Chemotactic preferences govern competition and pattern formation in simulated two-strain microbial communities. Frontiers in Microbiology, 2015, 6, 40.	1.5	12
264	Colonization, Competition, and Dispersal of Pathogens in Fluid Flow Networks. Current Biology, 2015, 25, 1201-1207.	1.8	49
265	The role of biological processes in reducing both odor impact and pathogen content during mesophilic anaerobic digestion. Science of the Total Environment, 2015, 526, 116-126.	3.9	90
266	Metabolic dependencies drive species co-occurrence in diverse microbial communities. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6449-6454.	3.3	588
267	Phylogenetic distribution of symbiotic bacteria from Panamanian amphibians that inhibit growth of the lethal fungal pathogen <i>Batrachochytrium dendrobatidis</i> . Molecular Ecology, 2015, 24, 1628-1641.	2.0	118
268	Microbial resource utilization traits and trade-offs: implications for community structure, functioning, and biogeochemical impacts at present and in the future. Frontiers in Microbiology, 2015, 06, 254.	1.5	109
269	A novel regulator PA5022 (<i>aefA</i>) is involved in swimming motility, biofilm formation and elastase activity of <i>Pseudomonas aeruginosa</i> . Microbiological Research, 2015, 176, 14-20.	2.5	19
271	Impact of Sublethal Levels of Single-Wall Carbon Nanotubes on Pyoverdine Production in <i>Pseudomonas aeruginosa</i> and Its Environmental Implications. Environmental Science and Technology Letters, 2015, 2, 105-111.	3.9	19
272	Constructive ϵ -Nash Equilibria for Nonzero-Sum Differential Games. IEEE Transactions on Automatic Control, 2015, 60, 950-965.	3.6	53
273	Bacteria-Mediated Effects of Antibiotics on <i>Daphnia</i> Nutrition. Environmental Science & Technology, 2015, 49, 5779-5787.	4.6	79
274	Widespread Chemical Detoxification of Alkaloid Venom by Formicine Ants. Journal of Chemical Ecology, 2015, 41, 884-895.	0.9	6
275	Different Ancestries of R Tailocins in Rhizospheric <i>Pseudomonas</i> Isolates. Genome Biology and Evolution, 2015, 7, 2810-2828.	1.1	52
276	Genomic analyses of pneumococci reveal a wide diversity of bacteriocins including pneumocyclin, a novel circular bacteriocin. BMC Genomics, 2015, 16, 554.	1.2	67
277	Bacteriocin production augments niche competition by enterococci in the mammalian gastrointestinal tract. Nature, 2015, 526, 719-722.	13.7	332
278	The Archean Nickel Famine Revisited. Astrobiology, 2015, 15, 804-815.	1.5	55
279	Trophic network architecture of root-associated bacterial communities determines pathogen invasion and plant health. Nature Communications, 2015, 6, 8413.	5.8	384
280	Effect of combined microbes on plant tolerance to Zn/Pb contaminations. Environmental Science and Pollution Research, 2015, 22, 19142-19156.	2.7	32

#	ARTICLE	IF	CITATIONS
281	Impact of indigenous microbiota of subtidal sand on fecal indicator bacteria decay in beach systems: a microcosm study. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 306-315.	1.2	7
282	Hyperspectral Imaging Technology in Food and Agriculture. <i>Food Engineering Series</i> , 2015, . .	0.3	62
283	Co-cultivation and transcriptome sequencing of two co-existing fish pathogens <i>Moritella viscosa</i> and <i>Aliivibrio wodanis</i> . <i>BMC Genomics</i> , 2015, 16, 447.	1.2	32
284	Bacterial danger sensing. <i>Journal of Molecular Biology</i> , 2015, 427, 3744-3753.	2.0	55
285	Interactions in the Competitive Coexistence Process of <i>Streptomyces</i> sp. and <i>Escherichia coli</i> . <i>Current Microbiology</i> , 2015, 71, 706-712.	1.0	4
286	Identification of genetic variation exclusive to specific lineages associated with <i>Staphylococcus aureus</i> bacteraemia. <i>Journal of Hospital Infection</i> , 2015, 91, 136-145.	1.4	3
287	Migration and horizontal gene transfer divide microbial genomes into multiple niches. <i>Nature Communications</i> , 2015, 6, 8924.	5.8	112
288	The soil resistome: a critical review on antibiotic resistance origins, ecology and dissemination potential in telluric bacteria. <i>Environmental Microbiology</i> , 2015, 17, 913-930.	1.8	231
289	Bacterial patterning controlled by light exposure. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1639-1642.	1.5	9
290	Microfluidic static droplet array for analyzing microbial communication on a population gradient. <i>Lab on A Chip</i> , 2015, 15, 889-899.	3.1	53
291	Plant community richness and microbial interactions structure bacterial communities in soil. <i>Ecology</i> , 2015, 96, 134-142.	1.5	196
292	<i>mazEF</i> -mediated programmed cell death in bacteria: "What is this?". <i>Critical Reviews in Microbiology</i> , 2015, 41, 89-100.	2.7	49
293	Slow and Steady Wins the Race: A Bacterial Exploitative Competition Strategy in Fluctuating Environments. <i>ACS Synthetic Biology</i> , 2015, 4, 240-248.	1.9	19
294	Spatial and temporal heterogeneity of bacteria across an intertidal shellfish bed: Implications for regulatory monitoring of faecal indicator organisms. <i>Science of the Total Environment</i> , 2015, 506-507, 1-9.	3.9	8
295	Siderophore Production by Microorganisms Isolated From a Podzol Soil Profile. <i>Geomicrobiology Journal</i> , 2015, 32, 397-411.	1.0	14
296	Development of bio-granules using selected mixed culture of decolorizing bacteria for the treatment of textile wastewater. <i>Desalination and Water Treatment</i> , 2015, 54, 132-139.	1.0	18
297	Bacteria associated with truffle fruiting bodies contribute to truffle aroma. <i>Environmental Microbiology</i> , 2015, 17, 2647-2660.	1.8	134
298	Life on the edge: functional genomic response of <i>Ignicoccus hospitalis</i> to the presence of <i>Nanoarchaeum equitans</i> . <i>ISME Journal</i> , 2015, 9, 101-114.	4.4	44

#	ARTICLE	IF	CITATIONS
299	Antagonistic Interactions among Bacteria Isolated from either the Same or from Different Sponges Native to the Brazilian Coast. <i>Journal of Marine Science: Research & Development</i> , 2016, 06, .	0.4	18
302	7. Role of nutrient in microbial developments and microbial metabolic diversity. , 2016, , .		4
303	Evaluating sulphate removal and identifying the bacterial community present in acid mine drainage treated with synthetic domestic wastewater sludge. <i>Water S A</i> , 2016, 42, 475.	0.2	7
304	Facilitation as Attenuating of Environmental Stress among Structured Microbial Populations. <i>Scientific World Journal, The</i> , 2016, 2016, 1-9.	0.8	1
305	Interpreting and Designing Microbial Communities for Bioprocess Applications, from Components to Interactions to Emergent Properties. , 2016, , 407-432.		18
306	Analysis of Antimicrobial-Triggered Membrane Depolarization Using Voltage Sensitive Dyes. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 29.	1.8	207
307	Spatial Interaction of Archaeal Ammonia-Oxidizers and Nitrite-Oxidizing Bacteria in an Unfertilized Grassland Soil. <i>Frontiers in Microbiology</i> , 2015, 6, 1567.	1.5	40
308	Autoinducer-2 of <i>Streptococcus mitis</i> as a Target Molecule to Inhibit Pathogenic Multi-Species Biofilm Formation In Vitro and in an Endotracheal Intubation Rat Model. <i>Frontiers in Microbiology</i> , 2016, 7, 88.	1.5	24
309	Phylogenetic and Functional Substrate Specificity for Endolithic Microbial Communities in Hyper-Arid Environments. <i>Frontiers in Microbiology</i> , 2016, 7, 301.	1.5	60
310	Belowground Response to Drought in a Tropical Forest Soil. II. Change in Microbial Function Impacts Carbon Composition. <i>Frontiers in Microbiology</i> , 2016, 7, 323.	1.5	46
311	Towards an Enhanced Understanding of Plantâ€™s Microbiome Interactions to Improve Phytoremediation: Engineering the Metaorganism. <i>Frontiers in Microbiology</i> , 2016, 7, 341.	1.5	213
312	Co-occurrence Analysis of Microbial Taxa in the Atlantic Ocean Reveals High Connectivity in the Free-Living Bacterioplankton. <i>Frontiers in Microbiology</i> , 2016, 7, 649.	1.5	152
313	Comparison of Microbial Communities Isolated from Feces of Asymptomatic Salmonella-Shedding and Non-Salmonella Shedding Dairy Cows. <i>Frontiers in Microbiology</i> , 2016, 7, 691.	1.5	7
314	Use of Potential Probiotic Lactic Acid Bacteria (LAB) Biofilms for the Control of <i>Listeria monocytogenes</i> , <i>Salmonella Typhimurium</i> , and <i>Escherichia coli</i> O157:H7 Biofilms Formation. <i>Frontiers in Microbiology</i> , 2016, 7, 863.	1.5	187
315	Bacterial Communities: Interactions to Scale. <i>Frontiers in Microbiology</i> , 2016, 7, 1234.	1.5	465
316	Planctomycetes as Novel Source of Bioactive Molecules. <i>Frontiers in Microbiology</i> , 2016, 7, 1241.	1.5	91
317	<i>Burkholderia paludis</i> sp. nov., an Antibiotic-Siderophore Producing Novel <i>Burkholderia cepacia</i> Complex Species, Isolated from Malaysian Tropical Peat Swamp Soil. <i>Frontiers in Microbiology</i> , 2016, 7, 2046.	1.5	84
318	Antimicrobial Protein Candidates from the Thermophilic <i>Geobacillus</i> sp. Strain ZGt-1: Production, Proteomics, and Bioinformatics Analysis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1363.	1.8	23

#	ARTICLE	IF	CITATIONS
319	Seasonal Microbial Population Shifts in a Bioremediation System Treating Metal and Sulfate-Rich Seepage. <i>Minerals</i> (Basel, Switzerland), 2016, 6, 36.	0.8	18
320	Harnessing the Power of Defensive Microbes: Evolutionary Implications in Nature and Disease Control. <i>PLoS Pathogens</i> , 2016, 12, e1005465.	2.1	79
321	Bioaugmentation with Endophytic Bacterium E6S Homologous to <i>Achromobacter piechaudii</i> Enhances Metal Rhizoaccumulation in Host <i>Sedum plumbizincicola</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 75.	1.7	65
322	Microbial Interactions in Biofilms: Impacts on Homeostasis and Pathogenesis. , 0, , .		3
323	<i>Lactococcus piscium</i> : a psychrotrophic lactic acid bacterium with bioprotective or spoilage activity in food-a review. <i>Journal of Applied Microbiology</i> , 2016, 121, 907-918.	1.4	43
324	Differential Functional Constraints Cause Strain-Level Endemism in <i>Polynucleobacter</i> Populations. <i>MSystems</i> , 2016, 1, .	1.7	18
325	Functional profiling of cyanobacterial genomes and its role in ecological adaptations. <i>Genomics Data</i> , 2016, 9, 89-94.	1.3	23
326	Pyoverdinin cheats fail to invade bacterial populations in stationary phase. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1728-1736.	0.8	16
327	Isolation of bacterial endophytes from <i>Actinidia chinensis</i> and preliminary studies on their possible use as antagonists against <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Journal of Berry Research</i> , 2016, 6, 395-406.	0.7	17
328	Autonomous oscillation/separation of cell density artificially induced by optical interlink feedback as designed interaction between two isolated microalgae chips. <i>Scientific Reports</i> , 2016, 6, 24602.	1.6	3
329	Shifts in plant foliar and floral metabolomes in response to the suppression of the associated microbiota. <i>BMC Plant Biology</i> , 2016, 16, 78.	1.6	40
330	Spatial dispersal of bacterial colonies induces a dynamical transition from local to global quorum sensing. <i>Physical Review E</i> , 2016, 94, 062410.	0.8	15
331	Constraint-based stoichiometric modelling from single organisms to microbial communities. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160627.	1.5	96
332	Nutrient availability shapes the microbial community structure in sugarcane bagasse compost-derived consortia. <i>Scientific Reports</i> , 2016, 6, 38781.	1.6	56
333	Globally distributed root endophyte <i>Phialocephala subalpina</i> links pathogenic and saprophytic lifestyles. <i>BMC Genomics</i> , 2016, 17, 1015.	1.2	54
334	The impact of resource dependence of the mechanisms of life on the spatial population dynamics of an <i>in silico</i> microbial community. <i>Chaos</i> , 2016, 26, 123121.	1.0	2
335	Stability Analysis of Population Dynamics Model in Microbial Biofilms with Non-participating Strains. , 2016, , .		1
336	Challenges in microbial ecology: building predictive understanding of community function and dynamics. <i>ISME Journal</i> , 2016, 10, 2557-2568.	4.4	570

#	ARTICLE	IF	CITATIONS
337	The Mechanistic Benefits of Microbial Symbionts. <i>Advances in Environmental Microbiology</i> , 2016, , .	0.1	2
338	Bacteria as growth-promoting agents for citrus rootstocks. <i>Microbiological Research</i> , 2016, 190, 46-54.	2.5	46
339	Development of a mediated whole cell-based electrochemical biosensor for joint toxicity assessment of multi-pollutants using a mixed microbial consortium. <i>Analytica Chimica Acta</i> , 2016, 924, 21-28.	2.6	53
340	Increased diazinon hydrolysis to 2-isopropyl-6-methyl-4-pyrimidinol in liquid medium by a specific <i>Streptomyces</i> mixed culture. <i>Chemosphere</i> , 2016, 156, 195-203.	4.2	23
341	Intensive aquaculture selects for increased virulence and interference competition in bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153069.	1.2	67
342	Influence of dormancy on microbial competition under intermittent substrate supply: insights from model simulations. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw071.	1.3	12
343	Emergence of proto-organisms from bistable stochastic differentiation and adhesion. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160108.	1.5	14
344	Genome analysis of the sugar beet pathogen <i>Rhizoctonia solani</i> AG2-2IIIB revealed high numbers in secreted proteins and cell wall degrading enzymes. <i>BMC Genomics</i> , 2016, 17, 245.	1.2	69
345	Quorum Sensing Is a Language of Chemical Signals and Plays an Ecological Role in Algal-Bacterial Interactions. <i>Critical Reviews in Plant Sciences</i> , 2016, 35, 81-105.	2.7	141
346	Transcriptional response of <i>Prochlorococcus</i> to co-culture with a marine <i>Alteromonas</i> : differences between strains and the involvement of putative infochemicals. <i>ISME Journal</i> , 2016, 10, 2892-2906.	4.4	71
347	Deciphering the Pathobiome: Intra- and Interkingdom Interactions Involving the Pathogen <i>Erysiphe alphitoides</i> . <i>Microbial Ecology</i> , 2016, 72, 870-880.	1.4	95
348	Rhamnolipid mediated enhanced degradation of chlorpyrifos by bacterial consortium in soil-water system. <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 156-162.	2.9	43
349	Metabolic competition as a driver of bacterial population structure. <i>Future Microbiology</i> , 2016, 11, 1339-1357.	1.0	12
351	Nutrient use preferences among soil <i>Streptomyces</i> suggest greater resource competition in monoculture than polyculture plant communities. <i>Plant and Soil</i> , 2016, 409, 329-343.	1.8	31
352	Algae as a Novel Source of Antimicrobial Compounds. , 2016, , 377-396.		5
353	Biomining strongly modulates the formation of <i>Proteus mirabilis</i> and <i>Pseudomonas aeruginosa</i> dual-species biofilms. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw189.	1.3	19
354	Identification of Functions Affecting Predator-Prey Interactions between <i>Myxococcus xanthus</i> and <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2016, 198, 3335-3344.	1.0	34
355	Fine-tuned production of hydrogen peroxide promotes biofilm formation of <i>Streptococcus parasanguinis</i> by a pathogenic cohabitant <i>Aggregatibacter actinomycetemcomitans</i> . <i>Environmental Microbiology</i> , 2016, 18, 4023-4036.	1.8	35

#	ARTICLE	IF	CITATIONS
356	Lactic acid bacteria differentially regulate filamentation in two heritable cell types of the human fungal pathogen <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2016, 102, 506-519.	1.2	29
357	Identification of fungal metabolites from inside <i>Gallus gallus domesticus</i> eggshells by non-invasively detecting volatile organic compounds (VOCs). <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6649-6658.	1.9	7
358	An assessment system for screening effective bacteria as biological control agents against <i>Magnaporthe grisea</i> on rice. <i>Biological Control</i> , 2016, 103, 21-29.	1.4	26
359	Reinoculation elucidates mechanisms of bacterial community assembly in soil and reveals undetected microbes. <i>Biology and Fertility of Soils</i> , 2016, 52, 1073-1083.	2.3	13
360	Plant-associated <i>Bacillus</i> spp. alter life-history traits of the specialist insect <i>Brevicoryne brassicae</i> L. <i>Agricultural and Forest Entomology</i> , 2016, 18, 35-42.	0.7	31
361	Predation and selection for antibiotic resistance in natural environments. <i>Evolutionary Applications</i> , 2016, 9, 427-434.	1.5	23
363	<i>Bacteroidales</i> Secreted Antimicrobial Proteins Target Surface Molecules Necessary for Gut Colonization and Mediate Competition <i>In Vivo</i> . <i>MBio</i> , 2016, 7, .	1.8	63
364	Lose to win: <i>marT</i> pseudogenization in <i>Salmonella enterica</i> serovar Typhi contributed to the <i>surV</i> -dependent survival to H ₂ O ₂ , and inside human macrophage-like cells. <i>Infection, Genetics and Evolution</i> , 2016, 45, 111-121.	1.0	18
365	The Ecology and Evolution of Microbial Competition. <i>Trends in Microbiology</i> , 2016, 24, 833-845.	3.5	553
368	<i>Salmonella</i> Typhimurium utilizes a T6SS-mediated antibacterial weapon to establish in the host gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5044-51.	3.3	268
369	Growth differences and competition between <i>Listeria monocytogenes</i> strains determine their predominance on ham slices and lead to bias during selective enrichment with the ISO protocol. <i>International Journal of Food Microbiology</i> , 2016, 235, 60-70.	2.1	27
370	<i>In-planta</i> ; Sporulation Capacity Enhances Infectivity and Rhizospheric Competitiveness of <i>Frankia</i> Strains. <i>Microbes and Environments</i> , 2016, 31, 11-18.	0.7	15
371	Intracellular Biosynthesis of Fluorescent CdSe Quantum Dots in <i>Bacillus subtilis</i> : A Strategy to Construct Signaling Bacterial Probes for Visually Detecting Interaction Between <i>Bacillus subtilis</i> and <i>Staphylococcus aureus</i> . <i>Microscopy and Microanalysis</i> , 2016, 22, 13-21.	0.2	11
372	Resource conflict and cooperation between human host and gut microbiota: implications for nutrition and health. <i>Annals of the New York Academy of Sciences</i> , 2016, 1372, 20-28.	1.8	36
373	Harnessing bacteriocin biology as targeted therapy in the GI tract. <i>Gut Microbes</i> , 2016, 7, 512-517.	4.3	15
374	Structural and biophysical analysis of nuclease protein antibiotics. <i>Biochemical Journal</i> , 2016, 473, 2799-2812.	1.7	12
376	Human commensals producing a novel antibiotic impair pathogen colonization. <i>Nature</i> , 2016, 535, 511-516.	13.7	667
377	Death Becomes Them: Bacterial Community Dynamics and Stilbene Antibiotic Production in Cadavers of <i>Galleria mellonella</i> Killed by <i>Heterorhabditis</i> and <i>Photorhabdus</i> spp. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5824-5837.	1.4	17

#	ARTICLE	IF	CITATIONS
378	Spatial structure, cooperation and competition in biofilms. <i>Nature Reviews Microbiology</i> , 2016, 14, 589-600.	13.6	757
379	A competitive trade-off limits the selective advantage of increased antibiotic production. <i>Nature Microbiology</i> , 2016, 1, 16175.	5.9	23
380	Microbe-mediated host defence drives the evolution of reduced pathogen virulence. <i>Nature Communications</i> , 2016, 7, 13430.	5.8	83
381	Inhibited growth of <i>Clostridium butyricum</i> in efficient H ₂ -producing co-culture with <i>Rhodobacter sphaeroides</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10649-10658.	1.7	5
382	<i>Pseudomonas</i> spp. diversity is negatively associated with suppression of the wheat take-all pathogen. <i>Scientific Reports</i> , 2016, 6, 29905.	1.6	46
383	Efficient inhibition of some multi-drug resistant pathogenic bacteria by bioactive metabolites from <i>Bacillus amyloliquefaciens</i> S514 isolated from archaeological soil in Egypt. <i>Applied Biochemistry and Microbiology</i> , 2016, 52, 593-601.	0.3	4
384	Microbial and viral pathogens in freshwater: current research aspects studied in Germany. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	16
385	Towards a systematic solution for differential games with limited communication. , 2016, , .		8
386	Transcriptomic responses of a simplified soil microcosm to a plant pathogen and its biocontrol agent reveal a complex reaction to harsh habitat. <i>BMC Genomics</i> , 2016, 17, 838.	1.2	13
387	Biotic Interactions Shape the Ecological Distributions of <i>Staphylococcus</i> Species. <i>MBio</i> , 2016, 7, .	1.8	103
388	Microbial Communities Are Well Adapted to Disturbances in Energy Input. <i>MSystems</i> , 2016, 1, .	1.7	28
389	Bacteria differently deploy type-IV pili on surfaces to adapt to nutrient availability. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 15029.	2.9	35
390	Biofilm development of an opportunistic model bacterium analysed at high spatiotemporal resolution in the framework of a precise flow cell. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 16023.	2.9	5
391	Deferred Growth Inhibition Assay to Quantify the Effect of Bacteria-derived Antimicrobials on Competition. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	8
392	Studying Microbial Communities &em>In Vivo&/em>: A Model of Host-mediated Interaction Between &em>Candida Albicans&/em> and &em>Pseudomonas Aeruginosa&/em> in the Airways. <i>Journal of Visualized Experiments</i> , 2016, , e53218.	0.2	3
393	Metagenomics, Metatranscriptomics, and Metabolomics Approaches for Microbiome Analysis. <i>Evolutionary Bioinformatics</i> , 2016, 12s1, EBO.S36436.	0.6	227
394	Qualitative and Quantitative Assays for Detection and Characterization of Protein Antimicrobials. <i>Journal of Visualized Experiments</i> , 2016, , e53819.	0.2	7
395	Presence of a loner strain maintains cooperation and diversity in well-mixed bacterial communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152682.	1.2	47

#	ARTICLE	IF	CITATIONS
396	The urinary microbiota: a paradigm shift for bladder disorders?. <i>Current Opinion in Obstetrics and Gynecology</i> , 2016, 28, 407-412.	0.9	51
397	Presence of pathogenic <i>Escherichia coli</i> is correlated with bacterial community diversity and composition on pre-harvest cattle hides. <i>Microbiome</i> , 2016, 4, 9.	4.9	25
398	Indirect Plant Growth Promotion in Grain Legumes: Role of Actinobacteria. , 2016, , 17-32.		7
399	Cambrian Cannibals. <i>Springer Geology</i> , 2016, , 181-189.	0.2	0
400	Torn apart and reunited: impact of a heterotroph on the transcriptome of <i>Prochlorococcus</i> . <i>ISME Journal</i> , 2016, 10, 2831-2843.	4.4	53
401	Antimicrobials and the Natural Biology of a Bacterial-Nematode Symbiosis. <i>Advances in Environmental Microbiology</i> , 2016, , 101-119.	0.1	3
402	Inhibition of <i>Fusarium culmorum</i> by carboxylic acids released from lactic acid bacteria in a barley malt substrate. <i>Food Control</i> , 2016, 69, 227-236.	2.8	39
403	Multifaceted Interfaces of Bacterial Competition. <i>Journal of Bacteriology</i> , 2016, 198, 2145-2155.	1.0	208
404	Dynamic Paleontology. <i>Springer Geology</i> , 2016, , .	0.2	5
405	Learning Ecological Networks from Next-Generation Sequencing Data. <i>Advances in Ecological Research</i> , 2016, , 1-39.	1.4	68
406	Quantification Analysis of the Intraoperative Bacterial Contamination Rate and Level in Osteochondral Autografts. <i>American Journal of Sports Medicine</i> , 2016, 44, 761-766.	1.9	5
407	SERS based point-of-care detection of food-borne pathogens. <i>Mikrochimica Acta</i> , 2016, 183, 697-707.	2.5	87
408	<i>Streptococcus pneumoniae</i> Colonization Disrupts the Microbial Community within the Upper Respiratory Tract of Aging Mice. <i>Infection and Immunity</i> , 2016, 84, 906-916.	1.0	34
409	Comparative Genomics between Two <i>Xenorhabdus bovienii</i> Strains Highlights Differential Evolutionary Scenarios within an Entomopathogenic Bacterial Species. <i>Genome Biology and Evolution</i> , 2016, 8, 148-160.	1.1	21
410	Direct and Indirect Horizontal Transmission of the Antifungal Probiotic Bacterium <i>Janthinobacterium lividum</i> on Green Frog (<i>Lithobates clamitans</i>) Tadpoles. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2457-2466.	1.4	45
411	Polymicrobial Biofilm Studies: from Basic Science to Biofilm Control. <i>Current Oral Health Reports</i> , 2016, 3, 36-44.	0.5	28
412	Biodiversity of culturable psychrotrophic microbiota in raw milk attributable to refrigeration conditions, seasonality and their spoilage potential. <i>International Dairy Journal</i> , 2016, 57, 80-90.	1.5	103
413	A robust platform for chemical genomics in bacterial systems. <i>Molecular Biology of the Cell</i> , 2016, 27, 1015-1025.	0.9	57

#	ARTICLE	IF	CITATIONS
414	The long-term effect of uranium and pH on the community composition of an artificial consortium. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv158.	1.3	10
415	Synergistic growth in bacteria depends on substrate complexity. <i>Journal of Microbiology</i> , 2016, 54, 23-30.	1.3	70
416	Pathogenic <i>Acinetobacter</i> : from the Cell Surface to Infinity and Beyond. <i>Journal of Bacteriology</i> , 2016, 198, 880-887.	1.0	164
417	Microbial Surface Colonization and Biofilm Development in Marine Environments. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 91-138.	2.9	864
418	Ecological role of bacterial inoculants and their potential impact on soil microbial diversity. <i>Plant and Soil</i> , 2016, 400, 193-207.	1.8	124
419	Synthetic Ecology of Microbes: Mathematical Models and Applications. <i>Journal of Molecular Biology</i> , 2016, 428, 837-861.	2.0	198
420	Inhibition of marine <i>Vibrio</i> sp. by pyoverdine from <i>Pseudomonas aeruginosa</i> PA1. <i>Journal of Hazardous Materials</i> , 2016, 302, 217-224.	6.5	44
421	Design, synthesis and evaluation of N-aryl-glyoxamide derivatives as structurally novel bacterial quorum sensing inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 680-693.	1.5	27
422	Identification and Resolution of Microdiversity through Metagenomic Sequencing of Parallel Consortia. <i>Applied and Environmental Microbiology</i> , 2016, 82, 255-267.	1.4	41
423	Leveraging ecological theory to guide natural product discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 115-128.	1.4	29
424	Tobramycin-Treated <i>Pseudomonas aeruginosa</i> PA14 Enhances <i>Streptococcus constellatus</i> 7155 Biofilm Formation in a Cystic Fibrosis Model System. <i>Journal of Bacteriology</i> , 2016, 198, 237-247.	1.0	29
425	Competitive strategies differentiate closely related species of marine actinobacteria. <i>ISME Journal</i> , 2016, 10, 478-490.	4.4	44
426	Cheating fosters species co-existence in well-mixed bacterial communities. <i>ISME Journal</i> , 2017, 11, 1179-1188.	4.4	69
427	<i>Escherichia coli</i> O157:H7 attachment and persistence within root biofilm of common treatment wetlands plants. <i>Ecological Engineering</i> , 2017, 98, 64-69.	1.6	6
428	Greater Species Richness of Bacterial Skin Symbionts Better Suppresses the Amphibian Fungal Pathogen <i>Batrachochytrium Dendrobatidis</i> . <i>Microbial Ecology</i> , 2017, 74, 217-226.	1.4	82
429	Plant Community Richness Mediates Inhibitory Interactions and Resource Competition between <i>Streptomyces</i> and <i>Fusarium</i> Populations in the Rhizosphere. <i>Microbial Ecology</i> , 2017, 74, 157-167.	1.4	63
430	Invasion speeds in microbial systems with toxin production and quorum sensing. <i>Journal of Theoretical Biology</i> , 2017, 420, 290-303.	0.8	3
431	Colorimetric and Electrochemical Bacteria Detection Using Printed Paper- and Transparency-Based Analytic Devices. <i>Analytical Chemistry</i> , 2017, 89, 3613-3621.	3.2	170

#	ARTICLE	IF	CITATIONS
432	Synthetic extreme environments: overlooked sources of potential biotechnologically relevant microorganisms. <i>Microbial Biotechnology</i> , 2017, 10, 570-585.	2.0	20
433	Nonviral Genome Editing Based on a Polymer-Derivatized CRISPR Nanocomplex for Targeting Bacterial Pathogens and Antibiotic Resistance. <i>Bioconjugate Chemistry</i> , 2017, 28, 957-967.	1.8	128
434	Advances in industrial microbiome based on microbial consortium for biorefinery. <i>Bioresources and Bioprocessing</i> , 2017, 4, 11.	2.0	59
435	Are CDI Systems Multicolored, Facultative, Helping Greenbeards?. <i>Trends in Microbiology</i> , 2017, 25, 391-401.	3.5	38
436	Killing by Type VI secretion drives genetic phase separation and correlates with increased cooperation. <i>Nature Communications</i> , 2017, 8, 14371.	5.8	143
437	Biophysical and biochemical characterization of active secondary metabolites from <i>Aspergillus allahabadii</i> . <i>Process Biochemistry</i> , 2017, 56, 45-56.	1.8	9
438	Allelopathy-mediated competition in microbial mats from Antarctic lakes. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	2
439	Convergence rate estimates of a two-species chemotaxis system with two indirect signal production and logistic source in three dimensions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	0.7	3
440	Application of high resolution melting assay (HRM) to study temperature-dependent intraspecific competition in a pathogenic bacterium. <i>Scientific Reports</i> , 2017, 7, 980.	1.6	18
441	Microcin PDI regulation and proteolytic cleavage are unique among known microcins. <i>Scientific Reports</i> , 2017, 7, 42529.	1.6	20
442	Effect of cadexomer iodine on the microbial load and diversity of chronic non-healing diabetic foot ulcers complicated by biofilm in vivo. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2093-2101.	1.3	54
443	UV-Resistant Actinobacteria from High-Altitude Andean Lakes: Isolation, Characterization and Antagonistic Activities. <i>Photochemistry and Photobiology</i> , 2017, 93, 865-880.	1.3	36
444	Diversity begets diversity in competition for space. <i>Nature Ecology and Evolution</i> , 2017, 1, 156.	3.4	79
445	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2017, 11, 4631-4640.	7.3	66
446	Comparative genomics and metabolomics analyses of the adaptation mechanism in <i>Ketogulonicigenium vulgare</i> - <i>Bacillus thuringiensis</i> consortium. <i>Scientific Reports</i> , 2017, 7, 46759.	1.6	11
447	Competition drives the response of soil microbial diversity to increased grazing by vertebrate herbivores. <i>Ecology</i> , 2017, 98, 1922-1931.	1.5	96
448	Analysis of stability to cheaters in models of antibiotic degrading microbial communities. <i>Journal of Theoretical Biology</i> , 2017, 423, 53-62.	0.8	10
449	Optimization of lag phase shapes the evolution of a bacterial enzyme. <i>Nature Ecology and Evolution</i> , 2017, 1, 149.	3.4	51

#	ARTICLE	IF	CITATIONS
450	Unambiguous identification and discovery of bacterial siderophores by direct injection 21 Tesla Fourier transform ion cyclotron resonance mass spectrometry. <i>Metalomics</i> , 2017, 9, 82-92.	1.0	21
451	<i>Mycobacterium ulcerans</i> toxin, mycolactone may enhance host-seeking and oviposition behaviour by <i>Aedes aegypti</i> (<i>Diptera</i>)	1.1	14
452	Synthesis and biological evaluation of novel acyclic and cyclic glyoxamide based derivatives as bacterial quorum sensing and biofilm inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5743-5755.	1.5	18
453	Bacterial intelligence: imitation games, time-sharing, and long-range quantum coherence. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 281-284.	1.8	32
454	An equation-free method reveals the ecological interaction networks within complex microbial ecosystems. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1774-1785.	2.2	23
455	Complex carbohydrates reduce the frequency of antagonistic interactions among bacteria degrading cellulose and xylan. <i>FEMS Microbiology Letters</i> , 2017, 364, fnx019.	0.7	12
456	Interspecies cross-talk between co-cultured <i>Pseudomonas putida</i> and <i>Escherichia coli</i> . <i>Environmental Microbiology Reports</i> , 2017, 9, 441-448.	1.0	8
457	Exploring bacterial interspecific interactions for discovery of novel antimicrobial compounds. <i>Microbial Biotechnology</i> , 2017, 10, 910-925.	2.0	70
458	Distribution and diversity of marine picocyanobacteria community: Targeting of <i>Prochlorococcus</i> ecotypes in winter conditions (southern Adriatic Sea). <i>Marine Genomics</i> , 2017, 36, 3-11.	0.4	15
459	The effect of extrinsic mortality on genome size evolution in prokaryotes. <i>ISME Journal</i> , 2017, 11, 1011-1018.	4.4	16
460	The evolution of siderophore production as a competitive trait. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1443-1455.	1.1	119
461	Coupling between distant biofilms and emergence of nutrient time-sharing. <i>Science</i> , 2017, 356, 638-642.	6.0	192
462	Emerging Culture-Independent Tools to Enhance Our Understanding of Soil Microbial Ecology. , 2017, , 207-225.		0
463	Halocin C8: an antimicrobial peptide distributed among four halophilic archaeal genera: <i>Natrinema</i> , <i>Haloterrigena</i> , <i>Haloferax</i> , and <i>Halobacterium</i> . <i>Extremophiles</i> , 2017, 21, 623-638.	0.9	16
464	Cooperative Metabolism in a Three-Partner Insect-Bacterial Symbiosis Revealed by Metabolic Modeling. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	72
465	Microbial competition in porous environments can select against rapid biofilm growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E161-E170.	3.3	101
466	Culturable bacterial communities associated to Brazilian <i>Oscarella</i> species (<i>Porifera</i>)	0.7	20
467	Community structure of partial nitrification-anammox biofilms at decreasing substrate concentrations and low temperature. <i>Microbial Biotechnology</i> , 2017, 10, 761-772.	2.0	51

#	ARTICLE	IF	CITATIONS
468	Bacteriocins and the assembly of natural <i>Pseudomonas fluorescens</i> populations. <i>Journal of Evolutionary Biology</i> , 2017, 30, 352-360.	0.8	29
469	Indole-associated predator-prey interactions between the nematode <i>C. elegans</i> and bacteria. <i>Environmental Microbiology</i> , 2017, 19, 1776-1790.	1.8	42
470	Genomic evolution of bacterial populations under coselection by antibiotics and phage. <i>Molecular Ecology</i> , 2017, 26, 1848-1859.	2.0	19
471	Effects of Actinomycete Secondary Metabolites on Sediment Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	44
472	Viruses and the origin of microbiome selection and immunity. <i>ISME Journal</i> , 2017, 11, 835-840.	4.4	11
473	Microbial community-level regulation explains soil carbon responses to long-term litter manipulations. <i>Nature Communications</i> , 2017, 8, 1223.	5.8	99
474	Competitive network determines the direction of the diversity-function relationship. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11464-11469.	3.3	102
475	Antibiotics and specialized metabolites from the human microbiota. <i>Natural Product Reports</i> , 2017, 34, 1302-1331.	5.2	58
476	Microbial Interactions and Plant Growth. , 2017, , 1-15.		4
477	Multivalent Presentation of Cationic Peptides on Supramolecular Nanofibers for Antimicrobial Activity. <i>Molecular Pharmaceutics</i> , 2017, 14, 3660-3668.	2.3	30
478	Developing a model for cystic fibrosis sociomicrobiology based on antibiotic and environmental stress. <i>International Journal of Medical Microbiology</i> , 2017, 307, 460-470.	1.5	11
479	Strategies and ecological roles of algicidal bacteria. <i>FEMS Microbiology Reviews</i> , 2017, 41, 880-899.	3.9	153
480	Chemical Interrogation of LuxR-type Quorum Sensing Receptors Reveals New Insights into Receptor Selectivity and the Potential for Interspecies Bacterial Signaling. <i>ACS Chemical Biology</i> , 2017, 12, 2457-2464.	1.6	28
481	Antagonism correlates with metabolic similarity in diverse bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10684-10688.	3.3	135
482	Interaction networks, ecological stability, and collective antibiotic tolerance in polymicrobial infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10666-10671.	3.3	139
483	The Landscape of Type VI Secretion across Human Gut Microbiomes Reveals Its Role in Community Composition. <i>Cell Host and Microbe</i> , 2017, 22, 411-419.e4.	5.1	137
484	Successive Conditioning in Complex Artificial Wastewater Increases the Performance of Electrochemically Active Biofilms Treating Real Wastewater. <i>ChemElectroChem</i> , 2017, 4, 3081-3090.	1.7	20
485	Copper import in <i>Escherichia coli</i> by the yersiniabactin metallophore system. <i>Nature Chemical Biology</i> , 2017, 13, 1016-1021.	3.9	112

#	ARTICLE	IF	CITATIONS
486	Honeybee (<i>Apis mellifera</i>)-associated bacterial community affected by American foulbrood: detection of <i>Paenibacillus</i> larvae via microbiome analysis. <i>Scientific Reports</i> , 2017, 7, 5084.	1.6	58
487	Dominance–function relationships in the amphibian skin microbiome. <i>Environmental Microbiology</i> , 2017, 19, 3387-3397.	1.8	24
488	Use of the Soft-agar Overlay Technique to Screen for Bacterially Produced Inhibitory Compounds. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	81
489	The evolution of the host microbiome as an ecosystem on a leash. <i>Nature</i> , 2017, 548, 43-51.	13.7	687
490	Antisocial rewarding in structured populations. <i>Scientific Reports</i> , 2017, 7, 6212.	1.6	16
491	Yeast–bacteria competition induced new metabolic traits through large-scale genomic rearrangements in <i>Lachancea kluyveri</i> . <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	15
492	Environmental Selection, Dispersal, and Organism Interactions Shape Community Assembly in High-Throughput Enrichment Culturing. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	12
493	Infrared Spectroscopy Coupled with a Dispersion Model for Quantifying the Real-Time Dynamics of Kanamycin Resistance in Artificial Microbiota. <i>Analytical Chemistry</i> , 2017, 89, 9814-9821.	3.2	30
494	Bioconversion of organic solid wastes into biofortified compost using a microbial consortium. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2017, 6, 321-334.	2.0	39
495	The rumen microbiome: an underexplored resource for novel antimicrobial discovery. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 33.	2.9	51
496	Receptor uptake arrays for vitamin B ₁₂ , siderophores, and glycans shape bacterial communities. <i>Ecology and Evolution</i> , 2017, 7, 10175-10195.	0.8	5
497	Bacterial Degradors of Coexisting Dichloromethane, Benzene, and Toluene, Identified by Stable-Isotope Probing. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 418.	1.1	23
498	Sequence of inoculation influences the nature of extracellular polymeric substances and biofilm formation in <i>Azotobacter chroococcum</i> and <i>Trichoderma viride</i> . <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	21
499	The microbiome as engineering tool: Manufacturing and trading between microorganisms. <i>New Biotechnology</i> , 2017, 39, 206-214.	2.4	17
500	Honey bee gut dysbiosis: a novel context of disease ecology. <i>Current Opinion in Insect Science</i> , 2017, 22, 125-132.	2.2	87
501	R-type bacteriocins in related strains of <i>Xenorhabdus bovienii</i> : Xenorhabdicolin tail fiber modularity and contribution to competitiveness. <i>FEMS Microbiology Letters</i> , 2017, 364, fnw235.	0.7	11
502	Evolution by flight and fight: diverse mechanisms of adaptation by actively motile microbes. <i>ISME Journal</i> , 2017, 11, 555-568.	4.4	30
503	Biotechnological potential of Actinobacteria from Canadian and Azorean volcanic caves. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 843-857.	1.7	40

#	ARTICLE	IF	CITATIONS
504	Structure to function of an Î±-glucan metabolic pathway that promotes <i>Listeria monocytogenes</i> pathogenesis. <i>Nature Microbiology</i> , 2017, 2, 16202.	5.9	33
505	Phytoremediation: State-of-the-art and a key role for the plant microbiome in future trends and research prospects. <i>International Journal of Phytoremediation</i> , 2017, 19, 23-38.	1.7	84
506	Biofertilizers: a potential approach for sustainable agriculture development. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3315-3335.	2.7	406
507	Irrigation management and phosphorus addition alter the abundance of carbon dioxide-fixing autotrophs in phosphorus-limited paddy soil. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	26
508	Biodegradation of weathered polystyrene films in seawater microcosms. <i>Scientific Reports</i> , 2017, 7, 17991.	1.6	121
509	Yeast-produced IAA is not only involved in the competition among yeasts but also promotes plant growth and development. <i>Nova Hedwigia</i> , 2017, 105, 135-150.	0.2	5
511	Hostâ€™Multi-Pathogen Warfare: Pathogen Interactions in Co-infected Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1806.	1.7	149
512	Fungal Biofilms and Polymicrobial Diseases. <i>Journal of Fungi (Basel, Switzerland)</i> , 2017, 3, 22.	1.5	150
513	Effect of Environmental Factors on Intra-Specific Inhibitory Activity of <i>Carnobacterium maltaromaticum</i> . <i>Microorganisms</i> , 2017, 5, 59.	1.6	5
514	Controlling Bacterial Pathogens in Water for Reuse: Treatment Technologies for Water Recirculation in the Blue Diversion Autarky Toilet. <i>Frontiers in Environmental Science</i> , 2017, 5, 90.	1.5	18
515	Codevelopment of Microbiota and Innate Immunity and the Risk for Group B Streptococcal Disease. <i>Frontiers in Immunology</i> , 2017, 8, 1497.	2.2	27
516	Protective Microbiota: From Localized to Long-Reaching Co-Immunity. <i>Frontiers in Immunology</i> , 2017, 8, 1678.	2.2	128
517	Microscale Insight into Microbial Seed Banks. <i>Frontiers in Microbiology</i> , 2016, 7, 2040.	1.5	20
518	Insights into Cystic Fibrosis Polymicrobial Consortia: The Role of Species Interactions in Biofilm Development, Phenotype, and Response to In-Use Antibiotics. <i>Frontiers in Microbiology</i> , 2016, 7, 2146.	1.5	58
519	Plant Growth Promoting Bacteria Associated with <i>Langsdorffia hypogaea</i> -Rhizosphere-Host Biological Interface: A Neglected Model of Bacterial Prospection. <i>Frontiers in Microbiology</i> , 2017, 08, 172.	1.5	32
520	Evolution of <i>Acinetobacter baumannii</i> In Vivo: International Clone II, More Resistance to Ceftazidime, Mutation in <i>ptk</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1256.	1.5	29
521	Human Gut Microbiota: Toward an Ecology of Disease. <i>Frontiers in Microbiology</i> , 2017, 8, 1265.	1.5	110
522	Unraveling the Microbial Interactions and Metabolic Potentials in Pre- and Post-treated Sludge from a Wastewater Treatment Plant Using Metagenomic Studies. <i>Frontiers in Microbiology</i> , 2017, 8, 1382.	1.5	27

#	ARTICLE	IF	CITATIONS
523	Effects of Soil Pre-Treatment with Basamid® Granules, Brassica juncea, Raphanus sativus, and Tagetes patula on Bacterial and Fungal Communities at Two Apple Replant Disease Sites. <i>Frontiers in Microbiology</i> , 2017, 8, 1604.	1.5	52
524	Antagonistic Microbial Interactions: Contributions and Potential Applications for Controlling Pathogens in the Aquatic Systems. <i>Frontiers in Microbiology</i> , 2017, 8, 2192.	1.5	48
525	Bacterial Genetic Architecture of Ecological Interactions in Co-culture by GWAS-Taking <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> as an Example. <i>Frontiers in Microbiology</i> , 2017, 8, 2332.	1.5	7
526	Soil Bacterial Community Structure and Co-occurrence Pattern during Vegetation Restoration in Karst Rocky Desertification Area. <i>Frontiers in Microbiology</i> , 2017, 8, 2377.	1.5	158
527	Smear-Ripened Cheeses. , 2017, , 955-996.		14
528	Self-organization of bacterial communities against environmental pH variation: Controlled chemotactic motility arranges cell population structures in biofilms. <i>PLoS ONE</i> , 2017, 12, e0173195.	1.1	12
529	Analyses of the probiotic property and stress resistance-related genes of <i>Lactococcus lactis</i> subsp. <i>lactis</i> NCDO 2118 through comparative genomics and in vitro assays. <i>PLoS ONE</i> , 2017, 12, e0175116.	1.1	51
530	Prohibition of antibiotic growth promoters has affected the genomic profiles of <i>Lactobacillus salivarius</i> inhabiting the swine intestine. <i>PLoS ONE</i> , 2017, 12, e0186671.	1.1	5
531	Quantifying the strength of quorum sensing crosstalk within microbial communities. <i>PLoS Computational Biology</i> , 2017, 13, e1005809.	1.5	23
533	Calcium carbonates: induced biomineralization with controlled macromorphology. <i>Biogeosciences</i> , 2017, 14, 4867-4878.	1.3	20
534	Spacio-Temporal Distribution and Tourist Impact on Airborne Bacteria in a Cave (Åkocjan Caves,) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 3	0.7	21
535	Evaluation of biocontrol properties of <i>Streptomyces</i> spp. isolates against phytopathogenic fungi <i>Colletotrichum gloeosporioides</i> and <i>Microcyclus ulei</i> . <i>African Journal of Microbiology Research</i> , 2017, 11, 141-154.	0.4	3
536	The Female Urinary Microbiota/Microbiome: Clinical and Research Implications. <i>Rambam Maimonides Medical Journal</i> , 2017, 8, e0015.	0.4	19
537	Engineering chemical interactions in microbial communities. <i>Chemical Society Reviews</i> , 2018, 47, 1705-1729.	18.7	25
538	Polymicrobial infections: Do bacteria behave differently depending on their neighbours?. <i>Virulence</i> , 2018, 9, 895-897.	1.8	7
539	From pirates and killers: does metabolite diversity drive bacterial competition?. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2814-2819.	1.5	10
540	The ecological genetics of <i>Pseudomonas syringae</i> from kiwifruit leaves. <i>Environmental Microbiology</i> , 2018, 20, 2066-2084.	1.8	22
541	Postbiotics: An evolving term within the functional foods field. <i>Trends in Food Science and Technology</i> , 2018, 75, 105-114.	7.8	528

#	ARTICLE	IF	CITATIONS
542	Competitionâ€™s colonization tradeoffs structure fungal diversity. <i>ISME Journal</i> , 2018, 12, 1758-1767.	4.4	91
543	Harnessing plant-bacteria-fungi interactions to improve plant growth and degradation of organic pollutants. <i>Journal of Plant Interactions</i> , 2018, 13, 119-130.	1.0	65
544	Microbiome Medicine: This Changes Everything. <i>Journal of the American College of Surgeons</i> , 2018, 226, 719-729.	0.2	28
545	Function and functional redundancy in microbial systems. <i>Nature Ecology and Evolution</i> , 2018, 2, 936-943.	3.4	912
546	Growth, detection and virulence of <i>Listeria monocytogenes</i> in the presence of other microorganisms: microbial interactions from species to strain level. <i>International Journal of Food Microbiology</i> , 2018, 277, 10-25.	2.1	34
547	Effect of resource availability on evolution of virulence and competition in an environmentally transmitted pathogen. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	11
548	Coexistence and Pattern Formation in Bacterial Mixtures with Contact-Dependent Killing. <i>Biophysical Journal</i> , 2018, 114, 1741-1750.	0.2	11
549	Soil microbial communities and glyphosate decay in soils with different herbicide application history. <i>Science of the Total Environment</i> , 2018, 634, 974-982.	3.9	59
550	Coculture induced improved production of biosurfactant by <i>Staphylococcus lentus</i> SZ2: Role in protecting <i>Artemia salina</i> against <i>Vibrio harveyi</i> . <i>Enzyme and Microbial Technology</i> , 2018, 114, 33-39.	1.6	12
551	Bioelectricity production from wood hydrothermal-treatment wastewater: Enhanced power generation in MFC-fed mixed wastewaters. <i>Science of the Total Environment</i> , 2018, 634, 586-594.	3.9	37
552	Conditional toxicity and synergy drive diversity among antibacterial effectors. <i>Nature Microbiology</i> , 2018, 3, 440-446.	5.9	110
554	Antibacterial Weapons: Targeted Destruction in the Microbiota. <i>Trends in Microbiology</i> , 2018, 26, 329-338.	3.5	106
555	Expanding the molecular weaponry of bacterial species. <i>Journal of Biological Chemistry</i> , 2018, 293, 1515-1516.	1.6	5
556	The ColM Family, Polymorphic Toxins Breaching the Bacterial Cell Wall. <i>MBio</i> , 2018, 9, .	1.8	13
557	The spatial and metabolic basis of colony size variation. <i>ISME Journal</i> , 2018, 12, 669-680.	4.4	47
558	Temperature and nutrients as drivers of microbially mediated arsenic oxidation and removal from acid mine drainage. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2413-2424.	1.7	17
559	Bayesian modeling of two- and three-species bacterial competition in milk. <i>Food Research International</i> , 2018, 105, 952-961.	2.9	11
560	Logic of two antagonizing intra-species quorum sensing systems in bacteria. <i>BioSystems</i> , 2018, 165, 88-98.	0.9	8

#	ARTICLE	IF	CITATIONS
561	Streptomyces puniceus strain AS13., Production, characterization and evaluation of bioactive metabolites: A new face of dinactin as an antitumor antibiotic. Microbiological Research, 2018, 207, 196-202.	2.5	28
562	Biomimicry of volatile-based microbial control for managing emerging fungal pathogens. Journal of Applied Microbiology, 2018, 124, 1024-1031.	1.4	11
563	Diversity in Antagonistic Interactions between Commensal Oral Streptococci and Streptococcus mutans. Caries Research, 2018, 52, 88-101.	0.9	81
564	Label-Free Proteomics of a Defined, Binary Co-culture Reveals Diversity of Competitive Responses Between Members of a Model Soil Microbial System. Microbial Ecology, 2018, 75, 701-719.	1.4	17
565	Shifts in spinach microbial communities after chlorine washing and storage at compliant and abusive temperatures. Food Microbiology, 2018, 73, 73-84.	2.1	50
566	Evaluation of short exposure times of antimicrobial wound solutions against microbial biofilms: from in vitro to in vivo. Journal of Antimicrobial Chemotherapy, 2018, 73, 494-502.	1.3	58
567	Persistence of antibiotic resistance genes in large subalpine lakes: the role of anthropogenic pollution and ecological interactions. Hydrobiologia, 2018, 824, 93-108.	1.0	52
568	Antimicrobial activity in culturable gut microbial communities of springtails. Journal of Applied Microbiology, 2018, 125, 740-752.	1.4	14
569	Induction and modulation of genotoxicity by the bacteriome in mammals. Mutation Research - Reviews in Mutation Research, 2018, 776, 70-77.	2.4	12
570	Chemical interaction of endophytic fungi and actinobacteria from Lychnophora ericoides in co-cultures. Microbiological Research, 2018, 212-213, 10-16.	2.5	10
572	Decreased waterborne pathogenic bacteria in an urban aquifer related to intense shallow geothermal exploitation. Science of the Total Environment, 2018, 633, 765-775.	3.9	16
573	Hitting with a BAM: Selective Killing by Lectin-Like Bacteriocins. MBio, 2018, 9, .	1.8	48
574	Dynamics of Bacterial Gene Regulatory Networks. Annual Review of Biophysics, 2018, 47, 447-467.	4.5	20
575	Antagonistic Interactions and Biofilm Forming Capabilities Among Bacterial Strains Isolated from the Egg Surfaces of Lake Sturgeon (Acipenser fulvescens). Microbial Ecology, 2018, 75, 22-37.	1.4	19
576	Gram-negative bacterial membrane vesicle release in response to the host-environment: different threats, same trick?. Critical Reviews in Microbiology, 2018, 44, 258-273.	2.7	50
577	Phosphorus and Cu ²⁺ removal by periphytic biofilm stimulated by upconversion phosphors doped with Pr ³⁺ -Li ⁺ . Bioresource Technology, 2018, 248, 68-74.	4.8	121
578	Bacterial secretion of D-arginine controls environmental microbial biodiversity. ISME Journal, 2018, 12, 438-450.	4.4	45
579	Mechanisms of pathogen virulence and host susceptibility in virulent Aeromonas hydrophila infections of channel catfish (Ictalurus punctatus). Aquaculture, 2018, 482, 1-8.	1.7	45

#	ARTICLE	IF	CITATIONS
580	Ecotoxicological and microbiological assessment of sewage sludge associated with sugarcane bagasse. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 550-557.	2.9	30
581	Distribution of ARGs and MGEs among glacial soil, permafrost, and sediment using metagenomic analysis. <i>Environmental Pollution</i> , 2018, 234, 339-346.	3.7	69
582	<i>Streptococcus pneumoniae</i> two-component regulatory systems: The interplay of the pneumococcus with its environment. <i>International Journal of Medical Microbiology</i> , 2018, 308, 722-737.	1.5	69
583	Cell-cell recognition and social networking in bacteria. <i>Environmental Microbiology</i> , 2018, 20, 923-933.	1.8	26
584	Phylogeny and Antagonistic Activities of Culturable Bacteria Associated with the Gut Microbiota of the Sea Urchin (<i>Paracentrotus lividus</i>). <i>Current Microbiology</i> , 2018, 75, 359-367.	1.0	9
585	Isolation of fruit colonizer yeasts and screening against mango decay caused by multiple pathogens. <i>Biological Control</i> , 2018, 117, 137-146.	1.4	23
586	Dynamics of Heterotrophic Bacterial Assemblages within <i>Synechococcus</i> Cultures. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	52
587	Electron shuttling to ferrihydrite selects for fermentative rather than Fe ³⁺ -reducing biomass in xylose-fed batch reactors derived from three different inoculum sources. <i>Biotechnology and Bioengineering</i> , 2018, 115, 577-585.	1.7	4
588	A coexistence theory in microbial communities. <i>Royal Society Open Science</i> , 2018, 5, 180476.	1.1	18
589	Microbial wars: competition in ecological niches and within the microbiome. <i>Microbial Cell</i> , 2018, 5, 215-219.	1.4	189
590	Whole metagenome sequencing of chlorinated drinking water distribution systems. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 2080-2091.	1.2	44
592	Competition among <i>Escherichia coli</i> Strains for Space and Resources. <i>Veterinary Sciences</i> , 2018, 5, 93.	0.6	11
593	Interspecific formation of the antimicrobial volatile schleiferon. <i>Scientific Reports</i> , 2018, 8, 16852.	1.6	24
594	Sediment bacterial communities are more complex in coastal shallow straits than in oceanic deep straits. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1643-1654.	0.6	3
595	Coping with Environmental Eukaryotes; Identification of <i>Pseudomonas syringae</i> Genes during the Interaction with Alternative Hosts or Predators. <i>Microorganisms</i> , 2018, 6, 32.	1.6	6
596	Uncovering complex microbiome activities via metatranscriptomics during 24%hours of oral biofilm assembly and maturation. <i>Microbiome</i> , 2018, 6, 217.	4.9	34
597	Full-length title: NRPPUR database search and in vitro analysis identify an NRPS-PKS biosynthetic gene cluster with a potential antibiotic effect. <i>BMC Bioinformatics</i> , 2018, 19, 463.	1.2	12
598	Treatment of Dextran Sulfate Sodium-Induced Colitis with Mucosa-Associated Lymphoid Tissue Lymphoma Translocation 1 Inhibitor MI-2 Is Associated with Restoration of Gut Immune Function and the Microbiota. <i>Infection and Immunity</i> , 2018, 86, .	1.0	25

#	ARTICLE	IF	CITATIONS
599	Nanofibers with Incorporated Autochthonous Bacteria as Potential Probiotics for Local Treatment of Periodontal Disease. <i>Biomacromolecules</i> , 2018, 19, 4299-4306.	2.6	53
600	"RETRACTED ARTICLE: <i>Vibrio parahaemolyticus</i> RhsP represents a widespread group of pro-effectors for type VI secretion systems. <i>Nature Communications</i> , 2018, 9, 3899.	5.8	8
601	How Rainforest Conversion to Agricultural Systems in Sumatra (Indonesia) Affects Active Soil Bacterial Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 2381.	1.5	44
602	An ecosystem framework for understanding and treating disease. <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 270-286.	1.1	11
603	Fermentation trip: amazing microbes, amazing metabolisms. <i>Annals of Microbiology</i> , 2018, 68, 717-729.	1.1	23
604	Interspecies interaction of <i>Serratia plymuthica</i> 4Rx13 and <i>Bacillus subtilis</i> B2g alters the emission of <i>sodorifen</i> . <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	9
605	<i>Streptomyces</i> as a Prominent Resource of Future Anti-MRSA Drugs. <i>Frontiers in Microbiology</i> , 2018, 9, 2221.	1.5	89
606	Ecologically informed microbial biomarkers and accurate classification of mixed and unmixed samples in an extensive cross-study of human body sites. <i>Microbiome</i> , 2018, 6, 192.	4.9	25
607	Competition between strains of <i>Borrelia afzelii</i> inside the rodent host and the tick vector. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181804.	1.2	14
608	Spatial Pattern of Bacterial Community Diversity Formed in Different Groundwater Field Corresponding to Electron Donors and Acceptors Distributions at a Petroleum-Contaminated Site. <i>Water (Switzerland)</i> , 2018, 10, 842.	1.2	18
609	G3 PhyloChip Analysis Confirms the Promise of Plant-Based Culture Media for Unlocking the Composition and Diversity of the Maize Root Microbiome and for Recovering Unculturable Candidate Divisions/Phyla. <i>Microbes and Environments</i> , 2018, 33, 317-325.	0.7	21
610	Natural and Bio-based Antimicrobials: A Review. <i>ACS Symposium Series</i> , 2018, , 1-24.	0.5	15
611	Continuous cropping tobacco caused variance of chemical properties and structure of bacterial network in soils. <i>Land Degradation and Development</i> , 2018, 29, 4106-4120.	1.8	85
612	Bacterial antagonism in host-associated microbial communities. <i>Science</i> , 2018, 361, .	6.0	236
613	Metagenomic Insights into the Phylogenetic and Metabolic Diversity of the Prokaryotic Community Dwelling in Hypersaline Soils from the Odiel Saltmarshes (SW Spain). <i>Genes</i> , 2018, 9, 152.	1.0	50
614	Causality in Biological Transmission: Forces and Energies. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	5
615	Food-Associated Stress Primes Foodborne Pathogens for the Gastrointestinal Phase of Infection. <i>Frontiers in Microbiology</i> , 2018, 9, 1962.	1.5	49
616	Exposure to Yeast Shapes the Intestinal Bacterial Community Assembly in Zebrafish Larvae. <i>Frontiers in Microbiology</i> , 2018, 9, 1868.	1.5	35

#	ARTICLE	IF	CITATIONS
617	The <i>Pseudomonas aeruginosa</i> Orphan Quorum Sensing Signal Receptor QscR Regulates Global Quorum Sensing Gene Expression by Activating a Single Linked Operon. <i>MBio</i> , 2018, 9, .	1.8	53
618	Study of bacterial associated with kolanut soil plantation and waste looking at their benefits to man and his environment. <i>Nigerian Journal of Technology</i> , 2018, 37, 1128.	0.2	3
620	Complex microbial systems across different levels of description. <i>Physical Biology</i> , 2018, 15, 051002.	0.8	4
621	Bacterial Quorum Sensing and Microbial Community Interactions. <i>MBio</i> , 2018, 9, .	1.8	364
622	Ecology and evolution of metabolic cross-feeding interactions in bacteria. <i>Natural Product Reports</i> , 2018, 35, 455-488.	5.2	322
623	Aquatic plant debris changes sediment enzymatic activity and microbial community structure. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21801-21810.	2.7	2
624	A multifunctional SERS sticky note for real-time quorum sensing tracing and inactivation of bacterial biofilms. <i>Chemical Science</i> , 2018, 9, 5906-5911.	3.7	36
625	A nuclease toxin and immunity system for kin discrimination in <i>Myxococcus xanthus</i> . <i>Environmental Microbiology</i> , 2018, 20, 2552-2567.	1.8	20
626	Biotechnological potential of microbial consortia and future perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 1209-1229.	5.1	78
627	<i>Paracoccus denitrificans</i> can utilize various long-chain <i>N</i> -acyl homoserine lactones and sequester them in membrane vesicles. <i>Environmental Microbiology Reports</i> , 2018, 10, 651-654.	1.0	22
628	<i>Ixodes scapularis</i> does not harbor a stable midgut microbiome. <i>ISME Journal</i> , 2018, 12, 2596-2607.	4.4	87
629	Costs and benefits of provocation in bacterial warfare. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7593-7598.	3.3	43
630	Population genomics of bacterial host adaptation. <i>Nature Reviews Genetics</i> , 2018, 19, 549-565.	7.7	186
631	Inhibitory effects of deoxynivalenol on pathogenesis of <i>Candida albicans</i> . <i>Journal of Applied Microbiology</i> , 2018, 125, 1266-1275.	1.4	12
632	Deciphering microbial interactions in synthetic human gut microbiome communities. <i>Molecular Systems Biology</i> , 2018, 14, e8157.	3.2	361
633	Wheat rhizosphere harbors a less complex and more stable microbial co-occurrence pattern than bulk soil. <i>Soil Biology and Biochemistry</i> , 2018, 125, 251-260.	4.2	253
634	Learning from bacterial competition in the host to develop antimicrobials. <i>Nature Medicine</i> , 2018, 24, 1097-1103.	15.2	70
635	Platyhelminthes: Molecular Dissection of the Planarian Innate Immune System. , 2018, , 95-115.		3

#	ARTICLE	IF	CITATIONS
636	Competitive Traits Are More Important than Stress-Tolerance Traits in a Cadmium-Contaminated Rhizosphere: A Role for Trait Theory in Microbial Ecology. <i>Frontiers in Microbiology</i> , 2018, 9, 121.	1.5	60
637	Novel Biocontrol Methods for <i>Listeria monocytogenes</i> Biofilms in Food Production Facilities. <i>Frontiers in Microbiology</i> , 2018, 9, 605.	1.5	85
638	Inorganic Nitrogen Application Affects Both Taxonomical and Predicted Functional Structure of Wheat Rhizosphere Bacterial Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 1074.	1.5	125
639	Competitive Interactions Between Incompatible Mutants of the Social Bacterium <i>Myxococcus xanthus</i> DK1622. <i>Frontiers in Microbiology</i> , 2018, 9, 1200.	1.5	10
640	Microbial Interactions With Dissolved Organic Matter Drive Carbon Dynamics and Community Succession. <i>Frontiers in Microbiology</i> , 2018, 9, 1234.	1.5	107
641	Microbial Community Structure–Function Relationships in Yaquina Bay Estuary Reveal Spatially Distinct Carbon and Nitrogen Cycling Capacities. <i>Frontiers in Microbiology</i> , 2018, 9, 1282.	1.5	48
642	Drug-mediated metabolic tipping between antibiotic resistant states in a mixed-species community. <i>Nature Ecology and Evolution</i> , 2018, 2, 1312-1320.	3.4	14
643	A Colicin M-Type Bacteriocin from <i>Pseudomonas aeruginosa</i> Targeting the HxuC Heme Receptor Requires a Novel Immunity Partner. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	16
644	Plant Growth Promoting and Biocontrol Activity of <i>Streptomyces</i> spp. as Endophytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 952.	1.8	387
645	Evidence that organic farming promotes pest control. <i>Nature Sustainability</i> , 2018, 1, 361-368.	11.5	117
646	Barium. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 91-93.	0.1	0
647	Exploring bioactive peptides from bacterial secretomes using Pep<sc>SAVI</sc>–<sc>MS</sc>: identification and characterization of Bac<sc>21</sc> from <i>Enterococcus faecalis</i> <sc>pPD</sc>1. <i>Microbial Biotechnology</i> , 2018, 11, 943-951.	2.0	7
648	Quorum sensing intervened bacterial signaling: Pursuit of its cognizance and repression. <i>Journal of Genetic Engineering and Biotechnology</i> , 2018, 16, 239-252.	1.5	42
649	Structure–Activity Relationships of the Competence Stimulating Peptide in <i>Streptococcus mutans</i> Reveal Motifs Critical for Membrane Protease SepM Recognition and ComD Receptor Activation. <i>ACS Infectious Diseases</i> , 2018, 4, 1385-1394.	1.8	26
650	Two New Secreted Proteases Generate a Casein-Derived Antimicrobial Peptide in <i>Bacillus cereus</i> Food Born Isolate Leading to Bacterial Competition in Milk. <i>Frontiers in Microbiology</i> , 2018, 9, 1148.	1.5	29
651	Effects of polystyrene nanoparticles on the microbiota and functional diversity of enzymes in soil. <i>Environmental Sciences Europe</i> , 2018, 30, 11.	2.6	211
652	Bioburden in transport solutions of human cardiovascular tissues: a comparative evaluation of direct inoculation and membrane filter technique. <i>Cell and Tissue Banking</i> , 2018, 19, 447-454.	0.5	3
653	Defoliation intensity and elevated precipitation effects on microbiome and interactome depend on site type in northern mixed-grass prairie. <i>Soil Biology and Biochemistry</i> , 2018, 122, 163-172.	4.2	23

#	ARTICLE	IF	CITATIONS
654	A reservoir of "historical" antibiotic resistance genes in remote pristine Antarctic soils. <i>Microbiome</i> , 2018, 6, 40.	4.9	244
655	Microbial ecological associations in the surface sediments of Bohai Strait. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 795-804.	0.6	4
656	Assertiveness of <i>Lactobacillus sakei</i> and <i>Lactobacillus curvatus</i> in a fermented sausage model. <i>International Journal of Food Microbiology</i> , 2018, 285, 188-197.	2.1	22
657	Liming does not counteract the influence of long-term fertilization on soil bacterial community structure and its co-occurrence pattern. <i>Soil Biology and Biochemistry</i> , 2018, 123, 45-53.	4.2	63
658	Fate of <i>Escherichia coli</i> in dialysis device exposed into sewage influent and activated sludge. <i>Journal of Water and Health</i> , 2018, 16, 380-390.	1.1	2
659	Opposing effects of final population density and stress on <i>Escherichia coli</i> mutation rate. <i>ISME Journal</i> , 2018, 12, 2981-2987.	4.4	8
660	Bacterial symbionts use a type VI secretion system to eliminate competitors in their natural host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8528-E8537.	3.3	134
661	Growth promotion and inhibition induced by interactions of groundwater bacteria. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	16
662	Stoichiometric Shifts in Soil C:N:P Promote Bacterial Taxa Dominance, Maintain Biodiversity, and Deconstruct Community Assemblages. <i>Frontiers in Microbiology</i> , 2018, 9, 1401.	1.5	56
663	Accessing Bioactive Natural Products from the Human Microbiome. <i>Cell Host and Microbe</i> , 2018, 23, 725-736.	5.1	101
664	Exopolysaccharide production in <i>Caulobacter crescentus</i> : A resource allocation trade-off between protection and proliferation. <i>PLoS ONE</i> , 2018, 13, e0190371.	1.1	11
665	Novel soil bacteria possess diverse genes for secondary metabolite biosynthesis. <i>Nature</i> , 2018, 558, 440-444.	13.7	321
666	Dispersal-competition tradeoff in microbiomes in the quest for land colonization. <i>Scientific Reports</i> , 2018, 8, 9451.	1.6	15
667	<i>Actinobacteria</i> . , 2018, , 79-91.		5
668	Modifying and reacting to the environmental pH can drive bacterial interactions. <i>PLoS Biology</i> , 2018, 16, e2004248.	2.6	270
669	Antagonism and antibiotic resistance drive a species-specific plant microbiota differentiation in <i>Echinacea</i> spp. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	19
670	Enhanced fat degradation following the addition of a <i>Pseudomonas</i> species to a bioaugmentation product used in grease traps. <i>Journal of Environmental Sciences</i> , 2019, 77, 174-188.	3.2	10
671	Genome Sequence and Antifungal Activity of Two Niche-Sharing <i>Pseudomonas protegens</i> Related Strains Isolated from Hydroponics. <i>Microbial Ecology</i> , 2019, 77, 1025-1035.	1.4	2

#	ARTICLE	IF	CITATIONS
672	Do composition and diversity of bacterial communities and abiotic conditions of spring water reflect characteristics of groundwater ecosystems exposed to different agricultural activities?. <i>MicrobiologyOpen</i> , 2019, 8, e00681.	1.2	5
673	Multiple Reaction Monitoring Profiling (MRM-Profilng) of Lipids To Distinguish Strain-Level Differences in Microbial Resistance in <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2019, 91, 11349-11354.	3.2	26
674	Flow cytometric fingerprinting to assess the microbial community response to changing water quality and additives. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1672-1682.	1.2	7
675	Large-scale identification of pathogen essential genes during coinfection with sympatric and allopatric microbes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19685-19694.	3.3	30
676	Targeting Microbiota: What Do We Know about It at Present?. <i>Medicina (Lithuania)</i> , 2019, 55, 459.	0.8	16
677	Engineered Interspecies Amino Acid Cross-Feeding Increases Population Evenness in a Synthetic Bacterial Consortium. <i>MSystems</i> , 2019, 4, .	1.7	39
678	Bacterial Cheaters Evade Punishment by Cyanide. <i>IScience</i> , 2019, 19, 101-109.	1.9	13
679	Soil Microbes Plants: Interactions and Ecological Diversity. , 2019, , 145-176.		5
680	Co-occurrence patterns of microbial communities affected by inoculants of plant growth-promoting bacteria during phytoremediation of heavy metal-contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109504.	2.9	75
681	Burst statistics in an early biofilm quorum sensing model: the role of spatial colony-growth heterogeneity. <i>Scientific Reports</i> , 2019, 9, 12077.	1.6	26
682	Human metallo- β -lactamase enzymes degrade penicillin. <i>Scientific Reports</i> , 2019, 9, 12173.	1.6	34
683	Sampling and diversity of <i>Escherichia coli</i> from the enteric microbiota in patients with <i>Escherichia coli</i> bacteraemia. <i>BMC Research Notes</i> , 2019, 12, 335.	0.6	4
684	Refining the stress gradient hypothesis in a microbial community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15760-15762.	3.3	59
685	Efflux Pumps in <i>Chromobacterium</i> Species Increase Antibiotic Resistance and Promote Survival in a Coculture Competition Model. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	16
686	Effects of zinc orthophosphate on the antibiotic resistant bacterial community of a source water used for drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1523-1534.	1.2	10
687	Learning a mixture of microbial networks using minorization maximization. <i>Bioinformatics</i> , 2019, 35, i23-i30.	1.8	15
688	Prokaryotic Community Structure and Metabolisms in Shallow Subsurface of Atacama Desert Playas and Alluvial Fans After Heavy Rains: Repairing and Preparing for Next Dry Period. <i>Frontiers in Microbiology</i> , 2019, 10, 1641.	1.5	27
689	Evolutionary Stability of <i>Salmonella</i> Competition with the Gut Microbiota: How the Environment Fosters Heterogeneity in Exploitative and Interference Competition. <i>Journal of Molecular Biology</i> , 2019, 431, 4732-4748.	2.0	8

#	ARTICLE	IF	CITATIONS
690	Soil biofilms: microbial interactions, challenges, and advanced techniques for ex-situ characterization. <i>Soil Ecology Letters</i> , 2019, 1, 85-93.	2.4	62
691	Gene regulation for the extreme resistance to ionizing radiation of <i>Deinococcus radiodurans</i> . <i>Gene</i> , 2019, 715, 144008.	1.0	14
692	More Than the Sum of Its Parts: Microbiome Biodiversity as a Driver of Plant Growth and Soil Health. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019, 50, 145-168.	3.8	219
693	Establishment of Coral-Bacteria Symbioses Reveal Changes in the Core Bacterial Community With Host Ontogeny. <i>Frontiers in Microbiology</i> , 2019, 10, 1529.	1.5	50
694	Alternate succession of aggregate-forming cyanobacterial genera correlated with their attached bacteria by co-pathways. <i>Science of the Total Environment</i> , 2019, 688, 867-879.	3.9	32
695	Active Phase Separation in Mixtures of Chemically Interacting Particles. <i>Physical Review Letters</i> , 2019, 123, 018101.	2.9	91
696	Communication within East Antarctic Soil Bacteria. <i>Applied and Environmental Microbiology</i> , 2019, 86, .	1.4	11
697	Soil Microbiomesâ€™ a Promising Strategy for Contaminated Soil Remediation: A Review. <i>Pedosphere</i> , 2019, 29, 283-297.	2.1	69
698	Individualized recovery of gut microbial strains post antibiotics. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 30.	2.9	36
699	Protease-associated import systems are widespread in Gram-negative bacteria. <i>PLoS Genetics</i> , 2019, 15, e1008435.	1.5	15
700	Adapting to the Airways: Metabolic Requirements of <i>Pseudomonas aeruginosa</i> during the Infection of Cystic Fibrosis Patients. <i>Metabolites</i> , 2019, 9, 234.	1.3	46
701	Biofilm-associated toxin and extracellular protease cooperatively suppress competitors in <i>Bacillus subtilis</i> biofilms. <i>PLoS Genetics</i> , 2019, 15, e1008232.	1.5	24
702	Causes and consequences of biotic interactions within microbiomes. <i>Current Opinion in Microbiology</i> , 2019, 50, 35-41.	2.3	22
703	Elemental Ratios Link Environmental Change and Human Health. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	12
704	Microcins in Enterobacteriaceae: Peptide Antimicrobials in the Eco-Active Intestinal Chemosphere. <i>Frontiers in Microbiology</i> , 2019, 10, 2261.	1.5	101
705	Root-Associated <i>Streptomyces</i> Isolates Harboring <i>melC</i> Genes Demonstrate Enhanced Plant Colonization. <i>Phytobiomes Journal</i> , 2019, 3, 165-176.	1.4	11
706	The role of the brainâ€™gutâ€™microbiota axis in psychology: The importance of considering gut microbiota in the development, perpetuation, and treatment of psychological disorders. <i>Brain and Behavior</i> , 2019, 9, e01408.	1.0	30
707	The Synthesis of SiO ₂ @AuAg@CeO ₂ Sandwich Structures with Enhanced Catalytic Performance Towards CO Oxidation. <i>ChemistrySelect</i> , 2019, 4, 9688-9695.	0.7	1

#	ARTICLE	IF	CITATIONS
708	Ecological specialization under multidimensional trade-offs. <i>Evolutionary Ecology</i> , 2019, 33, 769-789.	0.5	6
709	Dual Transcriptional Profile of <i>Aspergillus flavus</i> during Co-Culture with <i>Listeria monocytogenes</i> and Aflatoxin B1 Production: A Pathogen-Pathogen Interaction. <i>Pathogens</i> , 2019, 8, 198.	1.2	6
710	Thrust and Power Output of the Bacterial Flagellar Motor: A Micromagnetic Tweezers Approach. <i>Biophysical Journal</i> , 2019, 117, 1250-1257.	0.2	6
711	Species-wide Metabolic Interaction Network for Understanding Natural Lignocellulose Digestion in Termite Gut Microbiota. <i>Scientific Reports</i> , 2019, 9, 16329.	1.6	28
712	The Impact of Type VI Secretion System, Bacteriocins and Antibiotics on Bacterial Competition of <i>Pectobacterium carotovorum</i> subsp. <i>brasiliense</i> and the Regulation of Carbapenem Biosynthesis by Iron and the Ferric-Uptake Regulator. <i>Frontiers in Microbiology</i> , 2019, 10, 2379.	1.5	23
713	Environmental control of <i>Vibrio</i> spp. abundance and community structure in tropical waters. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	19
714	A Continuous-Flow Model for in vitro Cultivation of Mixed Microbial Populations Associated With Cystic Fibrosis Airway Infections. <i>Frontiers in Microbiology</i> , 2019, 10, 2713.	1.5	11
715	Cooperation in Microbial Populations: Theory and Experimental Model Systems. <i>Journal of Molecular Biology</i> , 2019, 431, 4599-4644.	2.0	30
716	Incorporating phylogenetic metrics to microbial co-occurrence networks based on amplicon sequences to discern community assembly processes. <i>Molecular Ecology Resources</i> , 2019, 19, 1552-1564.	2.2	41
717	Analysis of the bacteria community in wild <i>Cordyceps cicadae</i> and its influence on the production of HEA and nucleosides in <i>Cordyceps cicadae</i> . <i>Journal of Applied Microbiology</i> , 2019, 127, 1759-1767.	1.4	10
718	Diversity, Ecology, and Prevalence of Antimicrobials in Nature. <i>Frontiers in Microbiology</i> , 2019, 10, 2518.	1.5	47
720	Deciphering links between bacterial interactions and spatial organization in multispecies biofilms. <i>ISME Journal</i> , 2019, 13, 3054-3066.	4.4	59
721	Genome-centered omics insight into the competition and niche differentiation of <i>Ca. Jettena</i> and <i>Ca. Brocadia</i> affiliated to anammox bacteria. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8191-8202.	1.7	24
722	Toxin production spontaneously becomes regulated by local cell density in evolving bacterial populations. <i>PLoS Computational Biology</i> , 2019, 15, e1007333.	1.5	15
723	Phage Therapy with a focus on the Human Microbiota. <i>Antibiotics</i> , 2019, 8, 131.	1.5	83
724	<i>Staphylococcus aureus</i> and the Cutaneous Microbiota Biofilms in the Pathogenesis of Atopic Dermatitis. <i>Microorganisms</i> , 2019, 7, 301.	1.6	61
725	Evaluation of antagonistic actinomycetes isolates as biocontrol agents against wastewater-associated bacteria. <i>Water Science and Technology</i> , 2019, 79, 2310-2317.	1.2	7
726	ODX: A Fitness Tracker-Based Device for Continuous Bacterial Growth Monitoring. <i>Analytical Chemistry</i> , 2019, 91, 12329-12335.	3.2	9

#	ARTICLE	IF	CITATIONS
727	Aluminium removal and recovery from wastewater and soil using isolated indigenous bacteria. <i>Journal of Environmental Management</i> , 2019, 249, 109412.	3.8	38
728	Interspecies Competition Impacts Targeted Manipulation of Human Gut Bacteria by Fiber-Derived Glycans. <i>Cell</i> , 2019, 179, 59-73.e13.	13.5	224
729	Plant Identity Shaped Rhizospheric Microbial Communities More Strongly Than Bacterial Bioaugmentation in Petroleum Hydrocarbon-Polluted Sediments. <i>Frontiers in Microbiology</i> , 2019, 10, 2144.	1.5	28
730	An evolutionary signal to fungal succession during plant litter decay. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	30
731	<i>N</i> -Acyl Homoserine Lactone Analog Modulators of the <i>Pseudomonas aeruginosa</i> Rhl Quorum Sensing Signal Synthase. <i>ACS Chemical Biology</i> , 2019, 14, 2305-2314.	1.6	13
732	Gut microbiota: what is its place in pharmacology?. <i>Expert Review of Clinical Pharmacology</i> , 2019, 12, 921-930.	1.3	11
733	Antibiotics as chemical warfare across multiple taxonomic domains and trophic levels in brown food webs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191536.	1.2	8
734	Evaluating the germination response of <i>Chenopodium quinoa</i> seeds to bacterial inoculation under different germination media and salinity conditions. <i>Seed Science and Technology</i> , 2019, 47, 161-169.	0.6	7
735	Population dynamics and transcriptomic responses of <i>Pseudomonas aeruginosa</i> in a complex laboratory microbial community. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 1.	2.9	60
736	Single-cell variability of growth interactions within a two-species bacterial community. <i>Physical Biology</i> , 2019, 16, 036001.	0.8	11
737	Synthesis and characterization of antibiotic-metal complexes [FeCl ₃ (L1)2H ₂ O and Ni(NO ₃) ₂ (L2)2H ₂ O] and enhanced antibacterial activity. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 11, 100209.	1.7	6
738	Genomic reconstructions and potential metabolic strategies of generalist and specialist heterotrophic bacteria associated with an estuary <i>Synechococcus</i> culture. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	26
739	Maintenance of <i>S. aureus</i> in Co-culture With <i>P. aeruginosa</i> While Growing as Biofilms. <i>Frontiers in Microbiology</i> , 2018, 9, 3291.	1.5	42
740	Environmental filtering of bacterial functional diversity along an aridity gradient. <i>Scientific Reports</i> , 2019, 9, 866.	1.6	33
741	Application of filamentous phages in environment: A tectonic shift in the science and practice of ecorestoration. <i>Ecology and Evolution</i> , 2019, 9, 2263-2304.	0.8	26
742	Carbon resource richness shapes bacterial competitive interactions by alleviating growth-antibiosis trade-off. <i>Functional Ecology</i> , 2019, 33, 868-875.	1.7	27
743	Cultivation-success of rare soil bacteria is not influenced by incubation time and growth medium. <i>PLoS ONE</i> , 2019, 14, e0210073.	1.1	35
744	An <i>In Vitro</i> Enrichment Strategy for Formulating Synergistic Synbiotics. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	15

#	ARTICLE	IF	CITATIONS
745	Coping with multiple enemies: pairwise interactions do not predict evolutionary change in complex multitrophic communities. <i>Oikos</i> , 2019, 128, 1588-1599.	1.2	16
746	Resistance to antibiotics of bacteria in tropical countries. <i>Lancet Planetary Health, The</i> , 2019, 3, e238-e239.	5.1	2
747	Making the Best of Aggression: The Many Dimensions of Bacterial Toxin Regulation. <i>Trends in Microbiology</i> , 2019, 27, 897-905.	3.5	31
748	Polymicrobial interactions between <i>Streptococcus mitis</i> , <i>Streptococcus sanguinis</i> and oral associated <i>Candida albicans</i> on an in vitro salivary biofilm and differential expression of ALS1, ALS2 and ALS3 genes. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 338-346.	0.5	3
749	Bioprotective Culture: A New Generation of Food Additives for the Preservation of Food Quality and Safety. <i>Industrial Biotechnology</i> , 2019, 15, 138-147.	0.5	64
750	Development of a Novel ex vivo Nasal Epithelial Cell Model Supporting Colonization With Human Nasal Microbiota. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 165.	1.8	16
751	The Rise and Fall of Antibiotics in Aquaculture. , 2019, , 1-19.		8
752	Envelope stress responses: balancing damage repair and toxicity. <i>Nature Reviews Microbiology</i> , 2019, 17, 417-428.	13.6	153
753	Functional amyloids promote retention of public goods in bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190709.	1.2	7
754	Dynamic Modulation of the Gut Microbiota and Metabolome by Bacteriophages in a Mouse Model. <i>Cell Host and Microbe</i> , 2019, 25, 803-814.e5.	5.1	317
755	Omics Studies Revealed the Factors Involved in the Formation of Colony Boundary in <i>Myxococcus xanthus</i> . <i>Cells</i> , 2019, 8, 530.	1.8	8
756	Hydrocarbon degradation potential and competitive persistence of hydrocarbonoclastic bacterium <i>Acinetobacter pittii</i> strain ABC. <i>Archives of Microbiology</i> , 2019, 201, 1129-1140.	1.0	16
757	Drivers of Spatial Structure in Social Microbial Communities. <i>Current Biology</i> , 2019, 29, R545-R550.	1.8	56
758	The Evolution and Ecology of Bacterial Warfare. <i>Current Biology</i> , 2019, 29, R521-R537.	1.8	311
759	The Ultimate Guide to Bacterial Swarming: An Experimental Model to Study the Evolution of Cooperative Behavior. <i>Annual Review of Microbiology</i> , 2019, 73, 293-312.	2.9	31
760	Independent Blue and Red Light Triggered Narcissistic Self-Sorting Self-Assembly of Colloidal Particles. <i>Small</i> , 2019, 15, e1901801.	5.2	18
761	Antibacterial Properties of Graphene-Based Nanomaterials. <i>Nanomaterials</i> , 2019, 9, 737.	1.9	301
762	Relationship Between Lifestyle and Structure of Bacterial Communities and Their Functionality in Aquatic Systems. <i>Advances in Environmental Microbiology</i> , 2019, , 13-52.	0.1	12

#	ARTICLE	IF	CITATIONS
763	Differences in resource use lead to coexistence of seed-transmitted microbial populations. <i>Scientific Reports</i> , 2019, 9, 6648.	1.6	17
764	Predictive genomic traits for bacterial growth in culture versus actual growth in soil. <i>ISME Journal</i> , 2019, 13, 2162-2172.	4.4	66
765	Dynamics of seagrass bed microbial communities in artificial <i>Chattonella</i> blooms: A laboratory microcosm study. <i>Harmful Algae</i> , 2019, 84, 139-150.	2.2	17
766	Microbiota of the Gut-Lymph Node Axis: Depletion of Mucosa-Associated Segmented Filamentous Bacteria and Enrichment of <i>Methanobrevibacter</i> by Colistin Sulfate and Linco-Spectin in Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 599.	1.5	11
767	Improvement of bioactive metabolite production in microbial cultures—A systems approach by OSMAC and deconvolution—based ¹ H NMR quantification. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 458-471.	1.1	10
768	Metabolites of Plant Growth-Promoting Rhizobacteria for the Management of Soilborne Pathogenic Fungi in Crops. , 2019, , 293-315.		8
770	Plant-Pathogenic <i>Agrobacterium tumefaciens</i> Strains Have Diverse Type VI Effector-Immunity Pairs and Vary in In-Planta Competitiveness. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 961-971.	1.4	36
771	Temperature sensitivity of biomass-specific microbial exo-enzyme activities and CO ₂ efflux is resistant to change across short- and long-term timescales. <i>Global Change Biology</i> , 2019, 25, 1793-1807.	4.2	27
772	Actinobacteria—a promising natural source of anti-biofilm agents. <i>International Microbiology</i> , 2019, 22, 403-409.	1.1	15
773	Cultivating Electrochemically Active Biofilms at Continuously Changing Electrode Potentials. <i>ChemElectroChem</i> , 2019, 6, 2238-2247.	1.7	14
774	Carbon Cycle Implications of Soil Microbial Interactions. <i>Advances in Environmental Microbiology</i> , 2019, , 1-29.	0.1	0
775	Major shifts in gut microbiota during development and its relationship to growth in ostriches. <i>Molecular Ecology</i> , 2019, 28, 2653-2667.	2.0	53
776	Harmful Effect of <i>Rheinheimeria</i> sp. EpRS3 (Gammaproteobacteria) Against the Protist <i>Euplotes aediculatus</i> (Ciliophora, Spirotrichea): Insights Into the Ecological Role of Antimicrobial Compounds From Environmental Bacterial Strains. <i>Frontiers in Microbiology</i> , 2019, 10, 510.	1.5	16
777	Spatial structure facilitates the accumulation and persistence of antibiotic-resistant mutants in biofilms. <i>Evolutionary Applications</i> , 2019, 12, 498-507.	1.5	23
778	Prevention Strategies for Recurrent Community-Associated <i>Staphylococcus aureus</i> Skin and Soft Tissue Infections. <i>Current Infectious Disease Reports</i> , 2019, 21, 12.	1.3	24
779	New Approaches to Detect Biosynthetic Gene Clusters in the Environment. <i>Medicines (Basel)</i> Tj ETQq1 1 0.784314.rgBT /Ovgrlock 10 T	0.7	30
780	Microbial Population Changes in Decaying <i>Ascophyllum nodosum</i> Result in Macroalgal-Polysaccharide-Degrading Bacteria with Potential Applicability in Enzyme-Assisted Extraction Technologies. <i>Marine Drugs</i> , 2019, 17, 200.	2.2	19
781	Microemulsion-based biopreservatives and ¹³⁷ Cs irradiation as combined treatments to provide healthy and safe orange juice. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13909.	0.9	10

#	ARTICLE	IF	CITATIONS
782	Effect of co-culture with <i>Tetragenococcus halophilus</i> on the physiological characterization and transcription profiling of <i>Zygosaccharomyces rouxii</i> . <i>Food Research International</i> , 2019, 121, 348-358.	2.9	32
783	A Genomic Approach To Identify <i>Klebsiella pneumoniae</i> and <i>Acinetobacter baumannii</i> Strains with Enhanced Competitive Fitness in the Lungs during Multistrain Pneumonia. <i>Infection and Immunity</i> , 2019, 87, .	1.0	9
785	Overlooked Broad-Host-Range Vector Particles in the Environment. , 2019, , 135-195.		1
786	Competition experiments between <i>Brettanomyces bruxellensis</i> strains reveal specific adaptation to sulfur dioxide and complex interactions at intraspecies level. <i>FEMS Yeast Research</i> , 2019, 19, .	1.1	16
787	Impact of routine sanitation on the microbiomes in a fresh produce processing facility. <i>International Journal of Food Microbiology</i> , 2019, 294, 31-41.	2.1	22
788	Competition and predation as possible causes of bacterial rarity. <i>Environmental Microbiology</i> , 2019, 21, 1356-1368.	1.8	23
789	Bacterial Longevity Requires Protein Synthesis and a Stringent Response. <i>MBio</i> , 2019, 10, .	1.8	17
790	Causality in Biological Transmission: Forces and Energies. , 2019, , 15-31.		2
791	Interrogation of Internal Workings in Microbial Community Assembly: Play a Game through a Behavioral Network?. <i>MSystems</i> , 2019, 4, .	1.7	7
792	Coincubation Assay for Quantifying Competitive Interactions between <i>Vibrio fischeri</i> Isolates. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	10
793	The Burning of Biocrusts Facilitates the Emergence of a Bare Soil Community of Poorly-Connected Chemoheterotrophic Bacteria With Depressed Ecosystem Services. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	22
794	The Effects of Colicin Production Rates on Allelopathic Interactions in <i>Escherichia coli</i> Populations. <i>Microorganisms</i> , 2019, 7, 564.	1.6	6
795	Gut bacteria of <i>Cuora amboinensis</i> (turtle) produce broad-spectrum antibacterial molecules. <i>Scientific Reports</i> , 2019, 9, 17012.	1.6	30
796	Microbiome changes: an indicator of Parkinson's disease?. <i>Translational Neurodegeneration</i> , 2019, 8, 38.	3.6	61
797	Competition Among <i>Gardnerella</i> Subgroups From the Human Vaginal Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 374.	1.8	39
798	<i>Serratia liquefaciens</i> FG3 isolated from a metallophyte plant sheds light on the evolution and mechanisms of adaptive traits in extreme environments. <i>Scientific Reports</i> , 2019, 9, 18006.	1.6	10
799	Bacterial biodiversity drives the evolution of CRISPR-based phage resistance. <i>Nature</i> , 2019, 574, 549-552.	13.7	93
800	Recapitulation of polymicrobial communities associated with cystic fibrosis airway infections: a perspective. <i>Future Microbiology</i> , 2019, 14, 1437-1450.	1.0	19

#	ARTICLE	IF	CITATIONS
801	Building plant microbiome vault: a future biotechnological resource. <i>Symbiosis</i> , 2019, 77, 1-8.	1.2	9
802	Antibacterial and anti-adhesive efficiency of <i>Pediococcus acidilactici</i> against foodborne biofilm producer <i>Bacillus cereus</i> attached on different food processing surfaces. <i>Food Science and Biotechnology</i> , 2019, 28, 841-850.	1.2	13
803	Host Specificity and Spatial Distribution Preference of Three <i>Pseudomonas</i> Isolates. <i>Frontiers in Microbiology</i> , 2018, 9, 3263.	1.5	17
804	Competition among Nasal Bacteria Suggests a Role for Siderophore-Mediated Interactions in Shaping the Human Nasal Microbiota. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	57
805	Dynamic interdependence and competition in multilayer networks. <i>Nature Physics</i> , 2019, 15, 178-185.	6.5	86
806	Colonization of the mammalian intestinal tract by enterococci. <i>Current Opinion in Microbiology</i> , 2019, 47, 26-31.	2.3	24
807	Elevational patterns and hierarchical determinants of biodiversity across microbial taxonomic scales. <i>Molecular Ecology</i> , 2019, 28, 86-99.	2.0	34
808	Selective colonization ability of human fecal microbes in different mouse gut environments. <i>ISME Journal</i> , 2019, 13, 805-823.	4.4	39
809	Effect of plasma-activated water on microbial quality and physicochemical characteristics of mung bean sprouts. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 52, 49-56.	2.7	129
810	Understanding and Engineering Distributed Biochemical Pathways in Microbial Communities. <i>Biochemistry</i> , 2019, 58, 94-107.	1.2	23
811	Importance of Poly-3-Hydroxybutyrate Metabolism to the Ability of <i>Herbaspirillum seropedicae</i> To Promote Plant Growth. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	24
812	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. <i>Applied Materials Today</i> , 2019, 14, 207-215.	2.3	36
813	Transcriptional profiling of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> during in vitro co-culture. <i>BMC Genomics</i> , 2019, 20, 30.	1.2	65
814	Soil pH and microbial diversity constrain the survival of <i>E. coli</i> in soil. <i>Soil Biology and Biochemistry</i> , 2019, 128, 139-149.	4.2	32
815	Cumulative effect of yeast extract and fructooligosaccharide supplementation on composition and metabolic activity of elderly colonic microbiota in vitro. <i>Journal of Functional Foods</i> , 2019, 52, 43-53.	1.6	12
816	Locality of interactions in three-strain bacterial competition in <i>E. coli</i> . <i>Physical Biology</i> , 2019, 16, 016002.	0.8	1
817	The antibiotic action of methylarsenite is an emergent property of microbial communities. <i>Molecular Microbiology</i> , 2019, 111, 487-494.	1.2	59
818	Neutral mechanisms and niche differentiation in steady-state insular microbial communities revealed by single cell analysis. <i>Environmental Microbiology</i> , 2019, 21, 164-181.	1.8	46

#	ARTICLE	IF	CITATIONS
819	Non-toxigenic <i>Bacteroides fragilis</i> (NTBF) administration reduces bacteria-driven chronic colitis and tumor development independent of polysaccharide A. <i>Mucosal Immunology</i> , 2019, 12, 164-177.	2.7	70
820	Is Honey an Answer for Eradication of Biofilms?. <i>Indian Journal of Surgery</i> , 2019, 81, 144-149.	0.2	2
821	Key Microbes and Metabolic Potentials Contributing to Cyanide Biodegradation in Stirred-Tank Bioreactors Treating Gold Mining Effluent. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020, 41, 85-95.	2.6	5
822	Environmental Concerns and Sustainable Development. , 2020, , .		2
823	Polish River Basins and Lakes – Part I. <i>Handbook of Environmental Chemistry</i> , 2020, , .	0.2	6
824	Impairment of <i>Cronobacter sakazakii</i> and <i>Listeria monocytogenes</i> biofilms by cell-free preparations of lactobacilli of goat milk origin. <i>Folia Microbiologica</i> , 2020, 65, 185-196.	1.1	15
825	Microbe-based Inoculants: Role in Next Green Revolution. , 2020, , 191-246.		26
826	Volatile-mediated antagonism of soil bacterial communities against fungi. <i>Environmental Microbiology</i> , 2020, 22, 1025-1035.	1.8	49
827	Implications of indoor microbial ecology and evolution on antibiotic resistance. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020, 30, 1-15.	1.8	21
828	Spatial structure increases the benefits of antibiotic production in <i>Streptomyces</i> *. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 179-187.	1.1	17
829	A microbial sea of possibilities: current knowledge and prospects for an improved understanding of the fish microbiome. <i>Reviews in Aquaculture</i> , 2020, 12, 1101-1134.	4.6	117
830	Trophic State, Eutrophication, and the Threats for Water Quality of the Great Mazurian Lake System. <i>Handbook of Environmental Chemistry</i> , 2020, , 231-260.	0.2	10
831	Contamination of N-poor wastewater with emerging pollutants does not affect the performance of purple phototrophic bacteria and the subsequent resource recovery potential. <i>Journal of Hazardous Materials</i> , 2020, 385, 121617.	6.5	21
832	Long-term effects of nitrogen and phosphorus fertilization on soil microbial community structure and function under continuous wheat production. <i>Environmental Microbiology</i> , 2020, 22, 1066-1088.	1.8	87
833	Antagonism between coral pathogen <i>Vibrio corallilyticus</i> and other bacteria in the gastric cavity of scleractinian coral <i>Galaxea fascicularis</i> . <i>Science China Earth Sciences</i> , 2020, 63, 157-166.	2.3	21
834	Effect of a bioactive cement on the microbial community in carious dentin after selective caries removal – An in-vivo study. <i>Journal of Dentistry</i> , 2020, 92, 103264.	1.7	9
835	Culturable bacteria from two Portuguese salterns: diversity and bioactive potential. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 459-475.	0.7	5
836	Interspecific interactions in dual-species biofilms of soil bacteria: effects of fertilization practices. <i>Journal of Soils and Sediments</i> , 2020, 20, 1494-1501.	1.5	6

#	ARTICLE	IF	CITATIONS
837	<i>MDiNE</i> : a model to estimate differential co-occurrence networks in microbiome studies. <i>Bioinformatics</i> , 2020, 36, 1840-1847.	1.8	30
838	Resilience of planktonic bacterial community structure in response to short-term weather deterioration during the growing season in an alpine lake. <i>Hydrobiologia</i> , 2020, 847, 535-548.	1.0	6
839	Biocontrol capabilities of the genus <i>Serratia</i> . <i>Phytochemistry Reviews</i> , 2020, 19, 577-587.	3.1	33
840	Effects of 10-valent pneumococcal conjugate (PCV10) vaccination on the nasopharyngeal microbiome. <i>Vaccine</i> , 2020, 38, 1436-1443.	1.7	7
841	Good Gone Bad: One Toxin Away From Disease for <i>Bacteroides fragilis</i> . <i>Journal of Molecular Biology</i> , 2020, 432, 765-785.	2.0	67
842	Host determinants of among-species variation in microbiome composition in drosophilid flies. <i>ISME Journal</i> , 2020, 14, 217-229.	4.4	27
843	Inhibitory effects of probiotic potential lactic acid bacteria isolated from kimchi against <i>Listeria monocytogenes</i> biofilm on lettuce, stainless-steel surfaces, and MBECâ„¢ biofilm device. <i>LWT - Food Science and Technology</i> , 2020, 118, 108864.	2.5	56
844	The manifold roles of microbial ribosomal peptideâ€‘based natural products in physiology and ecology. <i>Journal of Biological Chemistry</i> , 2020, 295, 34-54.	1.6	78
845	<i>Pseudomonad</i> reverse carbon catabolite repression, interspecies metabolite exchange, and consortial division of labor. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 395-413.	2.4	30
846	Coupling interaction impairs knowledge and green behavior diffusion in complex networks. <i>Journal of Cleaner Production</i> , 2020, 249, 119419.	4.6	15
847	Microbial regulation of natural antibiotic resistance: Understanding the protist-bacteria interactions for evolution of soil resistome. <i>Science of the Total Environment</i> , 2020, 705, 135882.	3.9	63
848	The Effect of Thermal Stress on the Bacterial Microbiome of <i>Exaiptasia diaphana</i> . <i>Microorganisms</i> , 2020, 8, 20.	1.6	18
849	Development of a fluidâ€‘bed coating process for soilâ€‘granuleâ€‘based formulations of <i>Metarhizium brunneum</i> , <i>Cordyceps fumosorosea</i> or <i>Beauveria bassiana</i> . <i>Journal of Applied Microbiology</i> , 2021, 131, 307-320.	1.4	2
850	<i>Weissella cibaria</i> Attenuated LPS-Induced Dysfunction of Intestinal Epithelial Barrier in a Caco-2 Cell Monolayer Model. <i>Frontiers in Microbiology</i> , 2020, 11, 2039.	1.5	27
851	High Occurrence of Bacterial Competition Among Clinically Documented Opportunistic Pathogens Including <i>Achromobacter xylosoxidans</i> in Cystic Fibrosis. <i>Frontiers in Microbiology</i> , 2020, 11, 558160.	1.5	10
852	Secondary metabolites from the <i>Burkholderia pseudomallei</i> complex: structure, ecology, and evolution. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 877-887.	1.4	18
853	How gut microbiome interactions affect nutritional traits of <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	14
854	The â€‘Plastisphereâ€‘ of Biodegradable Plastics Is Characterized by Specific Microbial Taxa of Alpine and Arctic Soils. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	54

#	ARTICLE	IF	CITATIONS
855	Biofilms in Diabetic Foot Ulcers: Significance and Clinical Relevance. <i>Microorganisms</i> , 2020, 8, 1580.	1.6	100
856	Issues beyond resistance: inadequate antibiotic therapy and bacterial hypervirulence. <i>FEMS Microbes</i> , 2020, 1, .	0.8	9
857	Assuring water quality along multi-barrier treatment systems for agricultural water reuse. <i>Journal of Water Reuse and Desalination</i> , 2020, 10, 332-346.	1.2	10
858	Spatial and temporal modulation of enterotoxigenic <i>E. coli</i> H10407 pathogenesis and interplay with microbiota in human gut models. <i>BMC Biology</i> , 2020, 18, 141.	1.7	19
859	Culturing Ancient Bacteria Carrying Resistance Genes from Permafrost and Comparative Genomics with Modern Isolates. <i>Microorganisms</i> , 2020, 8, 1522.	1.6	6
860	Influenza-like illness is associated with high pneumococcal carriage density in Malawian children. <i>Journal of Infection</i> , 2020, 81, 549-556.	1.7	5
861	Temporal dynamics of bacterial communities during seed development and maturation. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	43
862	Biopolymers Production from Wastes and Wastewaters by Mixed Microbial Cultures: Strategies for Microbial Selection. <i>Waste and Biomass Valorization</i> , 2021, 12, 4213-4237.	1.8	7
863	Trophic Interactions and the Drivers of Microbial Community Assembly. <i>Current Biology</i> , 2020, 30, R1176-R1188.	1.8	165
864	Cultivable microbiota associated with <i>Aurelia aurita</i> and <i>Mnemiopsis leidyi</i> . <i>MicrobiologyOpen</i> , 2020, 9, e1094.	1.2	10
865	Bacteria and Antibiotics in Wound Healing. <i>Surgical Clinics of North America</i> , 2020, 100, 757-776.	0.5	67
866	Nested structure of intraspecific competition network in <i>Carnobacterium maltaromaticum</i> . <i>Scientific Reports</i> , 2020, 10, 7335.	1.6	10
867	Implementation of Antibiotic Discovery by Student Crowdsourcing in the Valencian Community Through a Service Learning Strategy. <i>Frontiers in Microbiology</i> , 2020, 11, 564030.	1.5	10
868	Dual RNase and Î²-lactamase Activity of a Single Enzyme Encoded in Archaea. <i>Life</i> , 2020, 10, 280.	1.1	12
869	Selective Bacterial Colonization of the Murine Larynx in a Gnotobiotic Model. <i>Frontiers in Microbiology</i> , 2020, 11, 594617.	1.5	4
870	Competitive Exclusion of <i>Flavescence dorée</i> Phytoplasma Strains in <i>Catharanthus roseus</i> Plants. <i>Plants</i> , 2020, 9, 1594.	1.6	6
871	A Generalist Lifestyle Allows Rare <i>Gardnerella</i> spp. to Persist at Low Levels in the Vaginal Microbiome. <i>Microbial Ecology</i> , 2021, 82, 1048-1060.	1.4	15
872	Increased Intraspecies Diversity in <i>Escherichia coli</i> Biofilms Promotes Cellular Growth at the Expense of Matrix Production. <i>Antibiotics</i> , 2020, 9, 818.	1.5	8

#	ARTICLE	IF	CITATIONS
873	Proof of Concept of Culturomics Use of Time of Care. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 524769.	1.8	12
874	<i>Escherichia coli</i> : Physiological Clues Which Turn On the Synthesis of Antimicrobial Molecules. <i>Veterinary Sciences</i> , 2020, 7, 184.	0.6	1
875	Survival of the weakest in non-transitive asymmetric interactions among strains of <i>E. coli</i> . <i>Nature Communications</i> , 2020, 11, 6055.	5.8	23
876	Microbial communities and gene contributions in smokeless tobacco products. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10613-10629.	1.7	13
877	Disinfectant, Soap or Probiotic Cleaning? Surface Microbiome Diversity and Biofilm Competitive Exclusion. <i>Microorganisms</i> , 2020, 8, 1726.	1.6	16
878	Seed priming with <i>Pseudomonas putida</i> isolated from rhizosphere triggers innate resistance against <i>Fusarium</i> wilt in tomato through pathogenesis-related protein activation and phenylpropanoid pathway. <i>Pedosphere</i> , 2020, 30, 651-660.	2.1	17
879	Impact of spatial proximity on territoriality among human skin bacteria. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 30.	2.9	13
880	From Microbial Communities to Distributed Computing Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 834.	2.0	19
881	Virulence as a Side Effect of Interspecies Interaction in <i>Vibrio</i> Coral Pathogens. <i>MBio</i> , 2020, 11, .	1.8	23
882	The transcriptome of <i>Listeria monocytogenes</i> during co-cultivation with cheese rind bacteria suggests adaptation by induction of ethanolamine and 1,2-propanediol catabolism pathway genes. <i>PLoS ONE</i> , 2020, 15, e0233945.	1.1	17
883	Physio-chemical, Microbiology, and Preference of Probiotic Fresh Soft Cheese Using <i>Lactobacillus plantarum</i> IS-10506 and <i>Streptococcus thermophilus</i> as Mixed Starter Culture. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 426, 012185.	0.2	0
884	Cortisol-Related Signatures of Stress in the Fish Microbiome. <i>Frontiers in Microbiology</i> , 2020, 11, 1621.	1.5	48
885	Penicillin Acylase from <i>Streptomyces lavendulae</i> and Aculeacin A Acylase from <i>Actinoplanes utahensis</i> : Two Versatile Enzymes as Useful Tools for Quorum Quenching Processes. <i>Catalysts</i> , 2020, 10, 730.	1.6	15
886	In Vitro Study of Butyric Acid Deodorization Potential by Indigenously Constructed Bacterial Consortia and Pure Cultures from Pit Latrine Fecal Sludge. <i>Sustainability</i> , 2020, 12, 5156.	1.6	1
887	Application of microbial consortia in degradation and detoxification of industrial pollutants. , 2020, , 401-418.		6
888	Microbial macroecology: In search of mechanisms governing microbial biogeographic patterns. <i>Global Ecology and Biogeography</i> , 2020, 29, 1870-1886.	2.7	55
889	Current Knowledge and Future Directions in Developing Strategies to Combat <i>Pseudomonas aeruginosa</i> Infection. <i>Journal of Molecular Biology</i> , 2020, 432, 5509-5528.	2.0	27
890	The carrying capacity to chemotaxis system with two species and competitive kinetics in N dimensions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020, 71, 1.	0.7	3

#	ARTICLE	IF	CITATIONS
891	Inactivation of <i>Escherichia coli</i> enhanced by anaerobic microbial iron reduction. <i>Environmental Science and Pollution Research</i> , 2020, 28, 63614-63622.	2.7	1
892	Interplay between Regulatory RNAs and Signal Transduction Systems during Bacterial Infection. <i>Genes</i> , 2020, 11, 1209.	1.0	5
893	A piece of the pie: engineering microbiomes by exploiting division of labor in complex polysaccharide consumption. <i>Current Opinion in Chemical Engineering</i> , 2020, 30, 96-102.	3.8	23
894	Interbacterial competition and anti-predatory behaviour of environmental <i>Vibrio cholerae</i> strains. <i>Environmental Microbiology</i> , 2020, 22, 4485-4504.	1.8	34
895	Experimental autoimmune encephalomyelitis is associated with changes of the microbiota composition in the gastrointestinal tract. <i>Scientific Reports</i> , 2020, 10, 15183.	1.6	38
896	Predicting community dynamics of antibiotic-sensitive and -resistant species in fluctuating environments. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190776.	1.5	4
897	Shifts in the microbiota associated with male mosquitoes (<i>Aedes aegypti</i>) exposed to an obligate gut fungal symbiont (<i>Zancudomyces culisetae</i>). <i>Scientific Reports</i> , 2020, 10, 12886.	1.6	1
898	Does the Future of Antibiotics Lie in Secondary Metabolites Produced by <i>Xenorhabdus</i> spp.? A Review. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1310-1320.	1.9	14
900	Metabolt: An In-Situ Instrument to Characterize the Metabolic Activity of Microbial Soil Ecosystems Using Electrochemical and Gaseous Signatures. <i>Sensors</i> , 2020, 20, 4479.	2.1	1
901	A strategy to control colonization of pathogens: embedding of lactic acid bacteria on the surface of urinary catheter. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9053-9066.	1.7	7
902	Inhibitions Dominate but Stimulations and Growth Rescues Are Not Rare Among Bacterial Isolates from Grains of Forest Soil. <i>Microbial Ecology</i> , 2020, 80, 872-884.	1.4	2
903	Differences in the Endophytic Microbiome of Olive Cultivars Infected by <i>Xylella fastidiosa</i> across Seasons. <i>Pathogens</i> , 2020, 9, 723.	1.2	39
904	Modeling microbial cross-feeding at intermediate scale portrays community dynamics and species coexistence. <i>PLoS Computational Biology</i> , 2020, 16, e1008135.	1.5	32
905	Probiotics at War Against Viruses: What Is Missing From the Picture?. <i>Frontiers in Microbiology</i> , 2020, 11, 1877.	1.5	70
906	Two Food Waste By-Products Selectively Stimulate Beneficial Resident Citrus Host-Associated Microbes in a Zero-Runoff Indoor Plant Production System. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	6
907	Accumulation of dead cells from contact killing facilitates coexistence in bacterial biofilms. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200486.	1.5	17
908	Quorum Sensing Behavior in the Model Unicellular Eukaryote <i>Chlamydomonas reinhardtii</i> . <i>IScience</i> , 2020, 23, 101714.	1.9	3
909	Trait-specific dispersal of bacteria in heterogeneous porous environments: from pore to porous medium scale. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200046.	1.5	18

#	ARTICLE	IF	CITATIONS
910	Immunological Aspects of Chytridiomycosis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 234.	1.5	20
911	Insight into the benefits of anammox bacteria living as aggregates. <i>Bioresource Technology</i> , 2020, 318, 124103.	4.8	20
912	Comparative Genomic Analysis Provides Insights into the Phylogeny, Resistome, Virulome, and Host Adaptation in the Genus <i>Ewingella</i> . <i>Pathogens</i> , 2020, 9, 330.	1.2	7
913	The role of changing temperature in microbial metabolic processes during permafrost thaw. <i>PLoS ONE</i> , 2020, 15, e0232169.	1.1	15
914	Resurrection of inactive microbes and resistome present in the natural frozen world: Reality or myth?. <i>Science of the Total Environment</i> , 2020, 735, 139275.	3.9	21
915	Variable selection in microbiome compositional data analysis. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa029.	1.5	49
916	Proteome profile changes during poly-hydroxybutyrate intracellular mobilization in gram positive <i>Bacillus cereus</i> tsu1. <i>BMC Microbiology</i> , 2020, 20, 122.	1.3	2
917	Deciphering the Role of Colicins during Colonization of the Mammalian Gut by Commensal <i>E. coli</i> . <i>Microorganisms</i> , 2020, 8, 664.	1.6	6
918	Competition for iron drives phytopathogen control by natural rhizosphere microbiomes. <i>Nature Microbiology</i> , 2020, 5, 1002-1010.	5.9	260
919	A Framework for the Selection of Plant Growth-Promoting Rhizobacteria Based on Bacterial Competence Mechanisms. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	38
920	Ecology and genomics of Actinobacteria: new concepts for natural product discovery. <i>Nature Reviews Microbiology</i> , 2020, 18, 546-558.	13.6	188
921	Colibactin DNA-damage signature indicates mutational impact in colorectal cancer. <i>Nature Medicine</i> , 2020, 26, 1063-1069.	15.2	149
922	Gut Feelings Begin in Childhood: the Gut Metagenome Correlates with Early Environment, Caregiving, and Behavior. <i>MBio</i> , 2020, 11, .	1.8	40
923	Cooperation and Conflict Within the Microbiota and Their Effects On Animal Hosts. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	26
924	The homogenous polysaccharide SY01-23 purified from leaf of <i>Morus alba</i> L. has bioactivity on human gut <i>Bacteroides ovatus</i> and <i>Bacteroides cellulosilyticus</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 158, 698-707.	3.6	12
925	Evolutionary causes and consequences of bacterial antibiotic persistence. <i>Nature Reviews Microbiology</i> , 2020, 18, 479-490.	13.6	113
926	The mechanisms and cell signaling pathways of programmed cell death in the bacterial world. <i>International Review of Cell and Molecular Biology</i> , 2020, 352, 1-53.	1.6	9
927	The evolution of the type VI secretion system as a disintegration weapon. <i>PLoS Biology</i> , 2020, 18, e3000720.	2.6	65

#	ARTICLE	IF	CITATIONS
928	Interspecies assertiveness of <i>Lactobacillus curvatus</i> and <i>Lactobacillus sakei</i> in sausage fermentations. <i>International Journal of Food Microbiology</i> , 2020, 331, 108689.	2.1	10
929	Information and motility exchange in collectives of active particles. <i>Soft Matter</i> , 2020, 16, 6317-6327.	1.2	18
930	Deciphering the succession dynamics of dominant and rare genera in biofilm development process. <i>Science of the Total Environment</i> , 2020, 739, 139961.	3.9	11
931	Isolation, selection and evaluation of <i>Bacillus</i> spp. as potential multi-mode probiotics for poultry. <i>Journal of General and Applied Microbiology</i> , 2020, 66, 228-238.	0.4	8
932	The Snowmelt Niche Differentiates Three Microbial Life Strategies That Influence Soil Nitrogen Availability During and After Winter. <i>Frontiers in Microbiology</i> , 2020, 11, 871.	1.5	32
933	Diversity of cyclic antimicrobial lipopeptides from <i>Bacillus</i> P34 revealed by functional annotation and comparative genome analysis. <i>Microbiological Research</i> , 2020, 238, 126515.	2.5	17
934	Bacterial Secondary Metabolite Biosynthetic Potential in Soil Varies with Phylum, Depth, and Vegetation Type. <i>MBio</i> , 2020, 11, .	1.8	116
935	Temporal variations in bacterial community diversity and composition throughout intensive care unit renovations. <i>Microbiome</i> , 2020, 8, 86.	4.9	14
936	Distinct Assembly Processes and Microbial Communities Constrain Soil Organic Carbon Formation. <i>One Earth</i> , 2020, 2, 349-360.	3.6	74
937	Global Transcriptome Profiling of <i>Enterobacter</i> Strain NRS-1 in Response to Hydrogen Peroxide Stress Treatment. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1638-1652.	1.4	3
938	Antithetic population response to antibiotics in a polybacterial community. <i>Science Advances</i> , 2020, 6, eaaz5108.	4.7	16
939	Effects of Dazomet Fumigation on Soil Phosphorus and the Composition of <i>phoD</i> -Harboring Microbial Communities. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5049-5058.	2.4	18
940	<i>Lactobacillus reuteri</i> 5454 and <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> 5764 improve colitis while differentially impacting dendritic cells maturation and antimicrobial responses. <i>Scientific Reports</i> , 2020, 10, 5345.	1.6	39
941	Bacterial Membrane Vesicles. , 2020, , .		10
942	Effects of enrofloxacin treatment on the bacterial microbiota of milk from goats with persistent mastitis. <i>Scientific Reports</i> , 2020, 10, 4421.	1.6	11
943	Molecular and Biochemical Characterization of YeeF/YezG, a Polymorphic Toxin-Immunity Protein Pair From <i>Bacillus subtilis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 95.	1.5	15
944	Microbial BMAA and the Pathway for Parkinson's Disease Neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 26.	1.7	50
945	Sustainable engineering technologies to promote activities of beneficial microbiome. , 2020, , 231-275.		1

#	ARTICLE	IF	CITATIONS
946	Dynamics of ColicinE2 production and release determine the competitive success of a toxin-producing bacterial population. <i>Scientific Reports</i> , 2020, 10, 4052.	1.6	4
947	Enrichment and characterization of bacterial consortia for degrading 2-mercaptobenzothiazole in rubber industrial wastewater. <i>Journal of Hazardous Materials</i> , 2020, 400, 123291.	6.5	13
948	Social Evolution and Cheating in Plant Pathogens. <i>Annual Review of Phytopathology</i> , 2020, 58, 55-75.	3.5	9
949	Siderophore-Mediated Interactions Determine the Disease Suppressiveness of Microbial Consortia. <i>MSystems</i> , 2020, 5, .	1.7	37
950	Effects of co-loading of polyethylene microplastics and ciprofloxacin on the antibiotic degradation efficiency and microbial community structure in soil. <i>Science of the Total Environment</i> , 2020, 741, 140463.	3.9	68
951	Bacterial assembly during the initial adhesion phase in wastewater treatment biofilms. <i>Water Research</i> , 2020, 184, 116147.	5.3	28
952	Marine mammal skin microbiotas are influenced by host phylogeny. <i>Royal Society Open Science</i> , 2020, 7, 192046.	1.1	22
953	A kinase bioscavenger provides antibiotic resistance by extremely tight substrate binding. <i>Science Advances</i> , 2020, 6, eaaz9861.	4.7	17
954	Ecological models of gastric microbiota dysbiosis: <i>Helicobacter pylori</i> and gastric carcinogenesis. <i>Medicine in Microecology</i> , 2020, 3, 100010.	0.7	5
955	Metagenomics: a vital source of information for modeling interaction networks in bacterial communities. , 2020, , 507-535.		0
956	Osmotic stress induces gut microbiota community shift in fish. <i>Environmental Microbiology</i> , 2020, 22, 3784-3802.	1.8	31
957	Understanding the evolution of interspecies interactions in microbial communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190256.	1.8	68
958	Keystone Species and Modularity in Microbial Hydrocarbon Degradation Uncovered by Network Analysis and Association Rule Mining. <i>Microorganisms</i> , 2020, 8, 190.	1.6	5
959	Emerging Priorities for Microbiome Research. <i>Frontiers in Microbiology</i> , 2020, 11, 136.	1.5	113
960	Contact-Dependent Interbacterial Antagonism Mediated by Protein Secretion Machines. <i>Trends in Microbiology</i> , 2020, 28, 387-400.	3.5	83
961	Bacterial dominance is due to effective utilisation of secondary metabolites produced by competitors. <i>Scientific Reports</i> , 2020, 10, 2316.	1.6	7
962	FeGenie: A Comprehensive Tool for the Identification of Iron Genes and Iron Gene Neighborhoods in Genome and Metagenome Assemblies. <i>Frontiers in Microbiology</i> , 2020, 11, 37.	1.5	195
963	Perspectives for using glacial and periglacial microorganisms for plant growth promotion at low temperatures. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3267-3278.	1.7	9

#	ARTICLE	IF	CITATIONS
964	Strength of species interactions determines biodiversity and stability in microbial communities. <i>Nature Ecology and Evolution</i> , 2020, 4, 376-383.	3.4	287
965	Community diversity and habitat structure shape the repertoire of extracellular proteins in bacteria. <i>Nature Communications</i> , 2020, 11, 758.	5.8	26
966	A Critical Mutualism “ Competition Interplay Underlies the Loss of Microbial Diversity in Sedentary Lifestyle. <i>Frontiers in Microbiology</i> , 2019, 10, 3142.	1.5	39
967	Dynamic motility selection drives population segregation in a bacterial swarm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4693-4700.	3.3	21
968	Surface display of uropathogenic <i>Escherichia coli</i> FimH in <i>Lactococcus lactis</i> : In vitro characterization of recombinant bacteria and its protectivity in animal model. <i>Microbial Pathogenesis</i> , 2020, 141, 103974.	1.3	11
969	Microbiological quality of sewage sludge after digestion treatment: A pilot scale case of study. <i>Journal of Cleaner Production</i> , 2020, 254, 120101.	4.6	16
970	Influences of a Prolific Gut Fungus (<i>Zancudomyces culisetæ</i>) on Larval and Adult Mosquito (<i>Aedes aegypti</i>)-Associated Microbiota. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	13
971	Gut bacteria of field-collected larvae of <i>Spodoptera frugiperda</i> undergo selection and are more diverse and active in metabolizing multiple insecticides than laboratory-selected resistant strains. <i>Journal of Pest Science</i> , 2020, 93, 833-851.	1.9	57
972	The importance of antimicrobial compounds produced by beneficial bacteria on the biocontrol of phytopathogens. <i>Acta Biologica Colombiana</i> , 2020, 25, 140-154.	0.1	32
973	Genomic, metabolic and phenotypic variability shapes ecological differentiation and intraspecies interactions of <i>Alteromonas macleodii</i> . <i>Scientific Reports</i> , 2020, 10, 809.	1.6	48
974	Pore-scale modeling of competition and cooperation of multispecies biofilms for nutrients in changing environments. <i>AIChE Journal</i> , 2020, 66, e16919.	1.8	14
975	Microbial dynamics and soil physicochemical properties explain large-scale variations in soil organic carbon. <i>Global Change Biology</i> , 2020, 26, 2668-2685.	4.2	56
976	Ecological insights into the underlying evolutionary patterns of biofilm formation from biological wastewater treatment systems: Red or Black Queen Hypothesis?. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1270-1280.	1.7	4
977	Investigating Community Dynamics and Performance During Microbial Electrochemical Degradation of Whey. <i>ChemElectroChem</i> , 2020, 7, 989-997.	1.7	8
978	Virulence from the rhizosphere: ecology and evolution of <i>Burkholderia pseudomallei</i> -complex species. <i>Current Opinion in Microbiology</i> , 2020, 54, 18-32.	2.3	11
979	The Signal and the Noise: Characteristics of Antisense RNA in Complex Microbial Communities. <i>MSystems</i> , 2020, 5, .	1.7	2
980	Application of microbial extracellular carbohydrate polymeric substances in food and allied industries. <i>3 Biotech</i> , 2020, 10, 221.	1.1	22
981	Responses of Exogenous Bacteria to Soluble Extracellular Polymeric Substances in Wastewater: A Mechanistic Study and Implications on Bioaugmentation. <i>Environmental Science & Technology</i> , 2020, 54, 6919-6928.	4.6	11

#	ARTICLE	IF	CITATIONS
982	In vitro Mixed Biofilm of <i>Streptococcus suis</i> and <i>Actinobacillus pleuropneumoniae</i> Impacts Antibiotic Susceptibility and Modulates Virulence Factor Gene Expression. <i>Frontiers in Microbiology</i> , 2020, 11, 507.	1.5	17
983	Advancing Understanding of Land Use and Physicochemical Impacts on Fecal Contamination in Mixed-Land-Use Watersheds. <i>Water (Switzerland)</i> , 2020, 12, 1094.	1.2	15
984	Role of <i>Stenotrophomonas maltophilia</i> isolation in patients with non-CF bronchiectasis. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2020, 113, 726-730.	0.2	6
985	The Microbiome and Chronic Rhinosinusitis. <i>Immunology and Allergy Clinics of North America</i> , 2020, 40, 251-263.	0.7	32
986	Macroecological dynamics of gut microbiota. <i>Nature Microbiology</i> , 2020, 5, 768-775.	5.9	62
987	<i>Vibrio fischeri</i> siderophore production drives competitive exclusion during dual-species growth. <i>Molecular Microbiology</i> , 2020, 114, 244-261.	1.2	21
988	Environmental cues for dispersal in a filamentous fungus in simulated islands. <i>Oikos</i> , 2020, 129, 1084-1092.	1.2	2
989	Metabolic Exchange with Non-Alkane-Consuming <i>Pseudomonas stutzeri</i> SLG510A3-8 Improves <i>n</i> -Alkane Biodegradation by the Alkane Degradation <i>Dietzia</i> sp. Strain DQ12-45-1b. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	33
990	Beyond Just Bacteria: Functional Biomes in the Gut Ecosystem Including Virome, Mycobiome, Archaeome and Helminths. <i>Microorganisms</i> , 2020, 8, 483.	1.6	86
991	Modeling the Growth and Interaction Between <i>Brochothrix thermosphacta</i> , <i>Pseudomonas</i> spp., and <i>Leuconostoc gelidum</i> in Minced Pork Samples. <i>Frontiers in Microbiology</i> , 2020, 11, 639.	1.5	15
992	Bacteria producing antimicrobials against <i>Clostridium difficile</i> isolated from human stool. <i>Anaerobe</i> , 2020, 63, 102206.	1.0	6
993	Alteration of protein homeostasis mediates the interaction of <i>Pseudomonas aeruginosa</i> with <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2020, 114, 423-442.	1.2	17
994	The Tip of the VgrG Spike Is Essential to Functional Type VI Secretion System Assembly in <i>Acinetobacter baumannii</i> . <i>MBio</i> , 2020, 11, .	1.8	37
995	Toward a dynamical understanding of microbial communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190248.	1.8	21
996	Stochasticity in microbiology: managing unpredictability to reach the Sustainable Development Goals. <i>Microbial Biotechnology</i> , 2020, 13, 829-843.	2.0	26
997	A Bottom-Up Approach To Develop a Synthetic Microbial Community Model: Application for Efficient Reduced-Salt Broad Bean Paste Fermentation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	54
998	Linking Light-Dependent Life History Traits with Population Dynamics for <i>Prochlorococcus</i> and Cyanophage. <i>MSystems</i> , 2020, 5, .	1.7	11
999	Resident microbial communities inhibit growth and antibiotic-resistance evolution of <i>Escherichia coli</i> in human gut microbiome samples. <i>PLoS Biology</i> , 2020, 18, e3000465.	2.6	47

#	ARTICLE	IF	CITATIONS
1000	Changes amid constancy: Flower and leaf microbiomes along land use gradients and between bioregions. <i>Basic and Applied Ecology</i> , 2021, 50, 1-15.	1.2	22
1001	Roles of nitrite in mediating the composition and metacommunity of multispecies biofilms. <i>Journal of Water Process Engineering</i> , 2021, 40, 101764.	2.6	12
1002	Probiotics and competitive exclusion of pathogens in shrimp aquaculture. <i>Reviews in Aquaculture</i> , 2021, 13, 324-352.	4.6	74
1003	The impact of cell structure, metabolism and group behavior for the survival of bacteria under stress conditions. <i>Archives of Microbiology</i> , 2021, 203, 431-441.	1.0	7
1004	Competition delays multi-drug resistance evolution during combination therapy. <i>Journal of Theoretical Biology</i> , 2021, 509, 110524.	0.8	8
1005	Mining zebrafish microbiota reveals key community-level resistance against fish pathogen infection. <i>ISME Journal</i> , 2021, 15, 702-719.	4.4	49
1006	The response of ammonia oxidizing archaea and bacteria in relation to heterotrophs under different carbon and nitrogen amendments in two agricultural soils. <i>Applied Soil Ecology</i> , 2021, 158, 103812.	2.1	26
1007	Mycorrhizal symbiosis modulates the rhizosphere microbiota to promote rhizobiaâ€“legume symbiosis. <i>Molecular Plant</i> , 2021, 14, 503-516.	3.9	56
1008	Community biofilm-formation, stratification and productivity in serially-transferred microcosms. <i>FEMS Microbiology Letters</i> , 2021, 367, .	0.7	2
1009	Control of <i>Listeria monocytogenes</i> biofilm on industrial surfaces by cell free extracts of <i>Lactobacillus plantarum</i> . <i>Journal of Food Processing and Preservation</i> , 2021, 45, .	0.9	4
1010	Systematic investigations on iron cycling in phosphorus/siderophore systems: Synergism or antagonism?. <i>Applied Geochemistry</i> , 2021, 124, 104796.	1.4	2
1011	Recent advances in exploring the heavy metal(loid) resistant microbiome. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 94-109.	1.9	69
1012	Microbiological and biochemical performances of six yeast species as potential starter cultures for wet fermentation of coffee beans. <i>LWT - Food Science and Technology</i> , 2021, 137, 110430.	2.5	32
1013	The initial inoculation ratio regulates bacterial coculture interactions and metabolic capacity. <i>ISME Journal</i> , 2021, 15, 29-40.	4.4	44
1014	Competition and Co-existence of Two Photorhabdus Symbionts with a Nematode Host. <i>Microbial Ecology</i> , 2021, 81, 223-239.	1.4	6
1015	Gut Microbiota of Five Sympatrically Farmed Marine Fish Species in the Aegean Sea. <i>Microbial Ecology</i> , 2021, 81, 460-470.	1.4	27
1016	Natural bacterial isolates as an inexhaustible source of new bacteriocins. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 477-492.	1.7	28
1017	Coexistence of fluorescent <i>Escherichia coli</i> strains in millifluidic droplet reactors. <i>Lab on A Chip</i> , 2021, 21, 1492-1502.	3.1	7

#	ARTICLE	IF	CITATIONS
1019	Mechanistic models of microbial community metabolism. <i>Molecular Omics</i> , 2021, 17, 365-375.	1.4	18
1020	Automated design of synthetic microbial communities. <i>Nature Communications</i> , 2021, 12, 672.	5.8	58
1021	Whole Genome Sequencing and Root Colonization Studies Reveal Novel Insights in the Biocontrol Potential and Growth Promotion by <i>Bacillus subtilis</i> MBI 600 on Cucumber. <i>Frontiers in Microbiology</i> , 2020, 11, 600393.	1.5	41
1022	Interaction study of <i>Pasteurella multocida</i> with culturable aerobic bacteria isolated from porcine respiratory tracts using coculture in conditioned media. <i>BMC Microbiology</i> , 2021, 21, 19.	1.3	2
1024	Introduction to Microbiota and Biofertilizers. , 2021, , 195-232.		1
1025	Efficacy of a topical concentrated surfactant gel on microbial communities in non-healing diabetic foot ulcers with chronic biofilm infections: A proof-of-concept study. <i>International Wound Journal</i> , 2021, 18, 457-466.	1.3	17
1026	Investigating causality with fecal microbiota transplantation in rodents: applications, recommendations and pitfalls. <i>Gut Microbes</i> , 2021, 13, 1941711.	4.3	59
1027	Induction of antibiotic specialized metabolism by co-culturing in a collection of phyllosphere bacteria. <i>Environmental Microbiology</i> , 2021, 23, 2132-2151.	1.8	12
1028	Species interactions drive the spread of ampicillin resistance in human-associated gut microbiota. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 256-266.	1.1	5
1029	Probiotics, Microbiome and the Concept of Cross-Feeding. , 2022, , 199-220.		2
1030	Non-Conventional Antimicrobial Agents. , 2021, , .		1
1031	The role of changes in environmental quality in multitrait plastic responses to environmental and social change in the model microalga <i>Chlamydomonas reinhardtii</i> . <i>Ecology and Evolution</i> , 2021, 11, 1888-1901.	0.8	1
1033	Interspecies bacterial competition regulates community assembly in the <i>C. elegans</i> intestine. <i>ISME Journal</i> , 2021, 15, 2131-2145.	4.4	73
1034	Isolation and Characterization of Fish-Gut <i>Bacillus</i> spp. as Source of Natural Antimicrobial Compounds to Fight Aquaculture Bacterial Diseases. <i>Marine Biotechnology</i> , 2021, 23, 276-293.	1.1	21
1035	<i>Corynebacterium accolens</i> Has Antimicrobial Activity against <i>Staphylococcus aureus</i> and Methicillin-Resistant <i>S. aureus</i> Pathogens Isolated from the Sinonasal Niche of Chronic Rhinosinusitis Patients. <i>Pathogens</i> , 2021, 10, 207.	1.2	31
1037	Extracellular Metabolism Sets the Table for Microbial Cross-Feeding. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, .	2.9	58
1038	Specific inactivation of an antifungal bacterial siderophore by a fungal plant pathogen. <i>ISME Journal</i> , 2021, 15, 1858-1861.	4.4	18
1039	Droplet printing reveals the importance of micron-scale structure for bacterial ecology. <i>Nature Communications</i> , 2021, 12, 857.	5.8	48

#	ARTICLE	IF	CITATIONS
1040	Shifts in Bacterial Diversity During the Spontaneous Fermentation of Maize Meal as Revealed by Targeted Amplicon Sequencing. <i>Current Microbiology</i> , 2021, 78, 1177-1187.	1.0	0
1041	Interaction between <i>Dickeya dianthicola</i> and <i>Pectobacterium parmentieri</i> in Potato Infection under Field Conditions. <i>Microorganisms</i> , 2021, 9, 316.	1.6	18
1042	Bacterial associations in the healthy human gut microbiome across populations. <i>Scientific Reports</i> , 2021, 11, 2828.	1.6	34
1044	A Search for Anti- <i>Naegleria fowleri</i> Agents Based on Competitive Exclusion Behavior of Microorganisms in Natural Aquatic Environments. <i>Pathogens</i> , 2021, 10, 142.	1.2	1
1046	Lactate and acetate applied in dual-chamber microbial fuel cells with domestic wastewater. <i>International Journal of Energy Research</i> , 2021, 45, 10655-10666.	2.2	3
1047	Insight into the mechanisms of insoluble phosphate transformation driven by the interactions of compound microbes during composting. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32844-32855.	2.7	13
1048	Staphylococcal Communities on Skin Are Associated with Atopic Dermatitis and Disease Severity. <i>Microorganisms</i> , 2021, 9, 432.	1.6	25
1049	Effects of physicochemical properties of Au cyanidation tailings on cyanide microbial degradation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 413-433.	0.9	5
1051	Complex yeast-bacteria interactions affect the yield of industrial ethanol fermentation. <i>Nature Communications</i> , 2021, 12, 1498.	5.8	52
1052	Nanopore 16S Amplicon Sequencing Enhances the Understanding of Pathogens in Medically Intractable Diabetic Foot Infections. <i>Diabetes</i> , 2021, 70, 1357-1371.	0.3	13
1053	Adaptation of <i>Staphylococcus aureus</i> in a Medium Mimicking a Diabetic Foot Environment. <i>Toxins</i> , 2021, 13, 230.	1.5	13
1054	Biological mechanisms may contribute to soil carbon saturation patterns. <i>Global Change Biology</i> , 2021, 27, 2633-2644.	4.2	33
1055	Immunity proteins of dual nuclease T6SS effectors function as transcriptional repressors. <i>EMBO Reports</i> , 2021, 22, e51857.	2.0	18
1056	Population Density Affects the Outcome of Competition in Co-cultures of <i>Gardnerella</i> Species Isolated from the Human Vaginal Microbiome. <i>Microbial Ecology</i> , 2022, 83, 236-245.	1.4	0
1057	Community-wide changes reflecting bacterial interspecific interactions in multispecies biofilms. <i>Critical Reviews in Microbiology</i> , 2021, 47, 338-358.	2.7	39
1058	Visualization of probiotics via epifluorescence microscopy and fluorescence in situ hybridization (FISH). <i>Journal of Microbiological Methods</i> , 2021, 182, 106151.	0.7	10
1059	Enhancement of antibiotic production by co-cultivation of two antibiotic producing marine <i>Vibrionaceae</i> strains. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	9
1060	Competition between strains of <i>Borrelia afzelii</i> in the host tissues and consequences for transmission to ticks. <i>ISME Journal</i> , 2021, 15, 2390-2400.	4.4	7

#	ARTICLE	IF	CITATIONS
1061	Bacterial Community Composition and Chromophoric Dissolved Organic Matter Differs with Culture Time of <i>Skeletonema dohrnii</i> . <i>Diversity</i> , 2021, 13, 150.	0.7	4
1062	Functional and Phylogenetic Diversity of BSH and PVA Enzymes. <i>Microorganisms</i> , 2021, 9, 732.	1.6	21
1063	Effects of precipitation change and nitrogen addition on the composition, diversity, and molecular ecological network of soil bacterial communities in a desert steppe. <i>PLoS ONE</i> , 2021, 16, e0248194.	1.1	26
1064	Experimental Evolution of Interference Competition. <i>Frontiers in Microbiology</i> , 2021, 12, 613450.	1.5	4
1065	Mining for mouth metabolites. <i>Nature Chemical Biology</i> , 2021, 17, 505-506.	3.9	0
1067	Compromised base excision repair pathway in <i>Mycobacterium tuberculosis</i> imparts superior adaptability in the host. <i>PLoS Pathogens</i> , 2021, 17, e1009452.	2.1	16
1069	Optimized Genetic Tools Allow the Biosynthesis of Glycocin F and Analogues Designed To Test the Roles of <i>gcc</i> Cluster Genes in Bacteriocin Production. <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	5
1070	Bacterial community structure alterations within the colorectal cancer gut microbiome. <i>BMC Microbiology</i> , 2021, 21, 98.	1.3	26
1071	Adapting to Environmental Heterogeneity: Selection and Radiation. <i>Biological Theory</i> , 0, , 1.	0.8	4
1072	Integrating Systems and Synthetic Biology to Understand and Engineer Microbiomes. <i>Annual Review of Biomedical Engineering</i> , 2021, 23, 169-201.	5.7	23
1073	Microbial community composition interacts with local abiotic conditions to drive colonization resistance in human gut microbiome samples. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203106.	1.2	12
1074	Heterogeneous bacterial swarms with mixed lengths. <i>Physical Review E</i> , 2021, 103, 032413.	0.8	14
1075	Single strain control of microbial consortia. <i>Nature Communications</i> , 2021, 12, 1977.	5.8	37
1076	Phosphate Solubilizing Bacteria: A Neglected Bioresource for Ameliorating Biotic Stress in Plants. , 2021, , 39-50.		2
1077	Characterization of communal sink drain communities of a university campus. <i>Environmental DNA</i> , 2021, 3, 901-911.	3.1	8
1078	Comprehensive comparative genomics reveals over 50 phyla of free-living and pathogenic bacteria are associated with diverse members of the amoebzoa. <i>Scientific Reports</i> , 2021, 11, 8043.	1.6	5
1079	Important ecophysiological roles of non-dominant Actinobacteria in plant residue decomposition, especially in less fertile soils. <i>Microbiome</i> , 2021, 9, 84.	4.9	87
1080	Phylogenomic Insights into Distribution and Adaptation of Bdellovibrionota in Marine Waters. <i>Microorganisms</i> , 2021, 9, 757.	1.6	14

#	ARTICLE	IF	CITATIONS
1082	Experimental systems biology approaches reveal interaction mechanisms in model multispecies communities. <i>Trends in Microbiology</i> , 2021, 29, 1083-1094.	3.5	9
1084	The microbiota of intertidal macroalgae <i>Fucus distichus</i> is site-specific and resistant to change following transplant. <i>Environmental Microbiology</i> , 2021, 23, 2617-2631.	1.8	6
1085	European Population of <i>Pectobacterium punjabense</i> : Genomic Diversity, Tuber Maceration Capacity and a Detection Tool for This Rarely Occurring Potato Pathogen. <i>Microorganisms</i> , 2021, 9, 781.	1.6	10
1086	Expression levels of pro-inflammatory interleukin-8 and certain antimicrobial peptides in concurrent with bacterial conjunctivitis. <i>International Journal of Ophthalmology</i> , 2021, 14, 666-675.	0.5	1
1087	Isolation and characterization of an antibacterial compound producing <i>Stenotrophomonas</i> strain from sewage water, production optimization, and its antibiotic potential evaluation. <i>Environmental Quality Management</i> , 2022, 31, 51-62.	1.0	3
1088	Honey as an Ecological Reservoir of Antibacterial Compounds Produced by Antagonistic Microbial Interactions in Plant Nectars, Honey and Honey Bee. <i>Antibiotics</i> , 2021, 10, 551.	1.5	37
1089	Repeated Exposure of <i>Aspergillus niger</i> Spores to the Antifungal Bacterium <i>Collimonas fungivorans</i> Ter331 Selects for Delayed Spore Germination. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0023321.	1.4	2
1090	Pan-Genome Analysis Reveals Host-Specific Functional Divergences in <i>Burkholderia gladioli</i> . <i>Microorganisms</i> , 2021, 9, 1123.	1.6	13
1091	d-Canavanine affects peptidoglycan structure, morphogenesis and fitness in Rhizobiales. <i>Environmental Microbiology</i> , 2021, 23, 5823-5836.	1.8	3
1092	Bacterial diversity and predicted enzymatic function in a multipurpose surface water system from wastewater effluent discharges to drinking water production. <i>Environmental Microbiomes</i> , 2021, 16, 11.	2.2	17
1093	Effect of metaphylactic administration of tildipirosin on the incidence of pneumonia and otitis and on the upper respiratory tract and fecal microbiome of preweaning Holstein calves. <i>Journal of Dairy Science</i> , 2021, 104, 6020-6038.	1.4	7
1094	Bacterial community responses to the redox profile changes of mariculture sediment. <i>Marine Pollution Bulletin</i> , 2021, 166, 112250.	2.3	4
1097	Adaptive Evolution: How Bacteria and Cancer Cells Survive Stressful Conditions and Drug Treatment. <i>Cancer Discovery</i> , 2021, 11, 1886-1895.	7.7	12
1101	CONTROL DE <i>Aedes aegypti</i> (DIPTERA: CULICIDAE) MEDIANTE ACTINOBACTERIAS FORMADORAS DE BIOPELÍCULAS.. <i>Acta Biologica Colombiana</i> , 2021, 26, 423-438.	0.1	0
1102	The Good and the Bad: Ecological Interaction Measurements Between the Urinary Microbiota and Uropathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 659450.	1.5	12
1104	Fungi are more sensitive than bacteria to drainage in the peatlands of the Zoige Plateau. <i>Ecological Indicators</i> , 2021, 124, 107367.	2.6	19
1105	A Metabolite of <i>Pseudomonas</i> Triggers Prophage-Selective Lysogenic to Lytic Conversion in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2021, 143, 8344-8351.	6.6	27
1106	Recent advances and future research in ecological stoichiometry. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 50, 125611.	1.1	57

#	ARTICLE	IF	CITATIONS
1108	Endophytic Bacteria <i>Bacillus subtilis</i> , Isolated from <i>Zea mays</i> , as Potential Biocontrol Agent against <i>Botrytis cinerea</i> . <i>Biology</i> , 2021, 10, 492.	1.3	27
1109	Friends or Foes? Microbial Interactions in Nature. <i>Biology</i> , 2021, 10, 496.	1.3	31
1111	Isolation and Characterization of Phages Active against <i>Paenibacillus</i> larvae Causing American Foulbrood in Honeybees in Poland. <i>Viruses</i> , 2021, 13, 1217.	1.5	8
1112	Predicted Metabolic Function of the Gut Microbiota of <i>Drosophila melanogaster</i> . <i>MSystems</i> , 2021, 6, .	1.7	8
1113	Construction of a synthetic microbial community for the biosynthesis of volatile sulfur compound by multi-module division of labor. <i>Food Chemistry</i> , 2021, 347, 129036.	4.2	27
1114	Bacterial predation transforms the landscape and community assembly of biofilms. <i>Current Biology</i> , 2021, 31, 2643-2651.e3.	1.8	29
1115	Climate warming dominates over plant genotype in shaping the seasonal trajectory of foliar fungal communities on oak. <i>New Phytologist</i> , 2021, 231, 1770-1783.	3.5	31
1116	Emerging Applications of Bacteriocins as Antimicrobials, Anticancer Drugs, and Modulators of The Gastrointestinal Microbiota. <i>Polish Journal of Microbiology</i> , 2021, 70, 143-159.	0.6	18
1117	EFFECT OF <i>Staphylococcus epidermidis</i> ON <i>Pseudomonas aeruginosa</i> BIOFILM IN MIXED-SPECIES CULTURE. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2021, 9, 325-334.	0.1	5
1118	Finding a Balance in the Vaginal Microbiome: How Do We Treat and Prevent the Occurrence of Bacterial Vaginosis?. <i>Antibiotics</i> , 2021, 10, 719.	1.5	28
1119	Local adaptation, geographical distance and phylogenetic relatedness: Assessing the drivers of siderophore-mediated social interactions in natural bacterial communities. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1266-1278.	0.8	9
1120	Prodigiosin inhibits bacterial growth and virulence factors as a potential physiological response to interspecies competition. <i>PLoS ONE</i> , 2021, 16, e0253445.	1.1	30
1121	Using Plate-Wash PCR and High-Throughput Sequencing to Measure Cultivated Diversity for Natural Product Discovery Efforts. <i>Frontiers in Microbiology</i> , 2021, 12, 675798.	1.5	4
1123	Biosolubilization of verdetate: An alternative potassium source for agriculture fertilizer. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 34, 102031.	1.5	7
1125	Genome Mining and Comparative Genome Analysis Revealed Niche-Specific Genome Expansion in Antibacterial <i>Bacillus pumilus</i> Strain SF-4. <i>Genes</i> , 2021, 12, 1060.	1.0	11
1126	Unraveling negative biotic interactions determining soil microbial community assembly and functioning. <i>ISME Journal</i> , 2022, 16, 296-306.	4.4	80
1127	Radical SAM Enzymes and Ribosomally Synthesized and Post-translationally Modified Peptides: A Growing Importance in the Microbiomes. <i>Frontiers in Chemistry</i> , 2021, 9, 678068.	1.8	16
1128	Antimicrobial Peptides with Antibacterial Activity against Vancomycin-Resistant <i>Staphylococcus aureus</i> Strains: Classification, Structures, and Mechanisms of Action. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7927.	1.8	13

#	ARTICLE	IF	CITATIONS
1129	Enhanced anaerobic digestion of waste-activated sludge via bioaugmentation strategyâ€”Phylogenetic investigation of communities by reconstruction of unobserved states (PICRUSt2) analysis through hydrolytic enzymes and possible linkage to system performance. <i>Bioresource Technology</i> , 2021, 332, 125014.	4.8	44
1130	Chemical interplay and complementary adaptative strategies toggle bacterial antagonism and co-existence. <i>Cell Reports</i> , 2021, 36, 109449.	2.9	28
1131	Nutrient load acts as a driver of gut microbiota load, community composition and metabolic functionality in the simulator of the human intestinal microbial ecosystem. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	7
1132	Competition and community succession link N transformation and greenhouse gas emissions in urine patches. <i>Science of the Total Environment</i> , 2021, 779, 146318.	3.9	6
1133	Diverse LXG toxin and antitoxin systems specifically mediate intraspecies competition in <i>Bacillus subtilis</i> biofilms. <i>PLoS Genetics</i> , 2021, 17, e1009682.	1.5	34
1134	Potential Probiotic <i>Bacillus subtilis</i> Isolated from a Novel Niche Exhibits Broad Range Antibacterial Activity and Causes Virulence and Metabolic Dysregulation in Enterotoxic <i>E. coli</i> . <i>Microorganisms</i> , 2021, 9, 1483.	1.6	15
1135	The forgotten role of food cultures. <i>FEMS Microbiology Letters</i> , 2021, 368, .	0.7	22
1136	Function is a better predictor of plant rhizosphere community membership than <scp>16S</scp> phylogeny. <i>Environmental Microbiology</i> , 2021, 23, 6089-6103.	1.8	3
1137	Stress causes interspecific facilitation within a compost community. <i>Ecology Letters</i> , 2021, 24, 2169-2177.	3.0	22
1138	Nutrient resource availability mediates niche differentiation and temporal co-occurrence of soil bacterial communities. <i>Applied Soil Ecology</i> , 2021, 163, 103965.	2.1	13
1139	Umibato: estimation of time-varying microbial interaction using continuous-time regression hidden Markov model. <i>Bioinformatics</i> , 2021, 37, i16-i24.	1.8	3
1140	Influence of innate immune activation on endocrine and metabolic pathways in infancy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E24-E46.	1.8	3
1141	Pairwise Interactions of Three Related <i>Pseudomonas</i> Species in Plant Roots and Inert Surfaces. <i>Frontiers in Microbiology</i> , 2021, 12, 666522.	1.5	2
1142	The oral microbiota of wild bears in Sweden reflects the history of antibiotic use by humans. <i>Current Biology</i> , 2021, 31, 4650-4658.e6.	1.8	15
1143	Recovery of bacterial communities and functions of soils under ridge tillage and no-tillage after different intensities and frequencies of drying-wetting disturbances in agroecosystems of northeastern China. <i>Catena</i> , 2021, 203, 105367.	2.2	4
1144	Boundedness in a two-species chemotaxis system with nonlinear sensitivity and signal secretion. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 500, 125078.	0.5	4
1145	Effect of copper and zinc as sulfate or nitrate salts on soil microbiome dynamics and bla-positive <i>Pseudomonas aeruginosa</i> survival. <i>Journal of Hazardous Materials</i> , 2021, 415, 125631.	6.5	11
1146	The Perception of Rhizosphere Bacterial Communication Signals Leads to Transcriptome Reprogramming in <i>Lysobacter capsici</i> AZ78, a Plant Beneficial Bacterium. <i>Frontiers in Microbiology</i> , 2021, 12, 725403.	1.5	3

#	ARTICLE	IF	CITATIONS
1147	Quorum sensing in <i>Aliivibrio wodanis</i> 06/09/139 and its role in controlling various phenotypic traits. PeerJ, 2021, 9, e11980.	0.9	2
1148	Detection of biosynthetic genes of microbially-synthesized secondary metabolites in a contaminated tropical agricultural soil. Biologia (Poland), 0, , 1.	0.8	2
1149	Genetic variation is associated with differences in facilitative and competitive interactions in the <i>Rhizobium leguminosarum</i> species complex. Environmental Microbiology, 2021, , .	1.8	9
1150	An in vitro model for the cultivation of polymicrobial biofilms under continuous-flow conditions. F1000Research, 2021, 10, 801.	0.8	6
1151	Fine Carbohydrate Structure of Dietary Resistant Glucans Governs the Structure and Function of Human Gut Microbiota. Nutrients, 2021, 13, 2924.	1.7	12
1153	Dairy strains of <i>Anoxybacillus flavithermus</i> inhibit lipase production by <i>Geobacillus stearothermophilus</i> . International Dairy Journal, 2021, 119, 104996.	1.5	2
1154	Phosphorus availability increases pathobiome abundance and invasion of rhizosphere microbial networks by <i>Ralstonia</i> . Environmental Microbiology, 2021, 23, 5992-6003.	1.8	28
1155	Isolation, characterization, and molecular identification of soil bacteria showing antibacterial activity against human pathogenic bacteria. Journal of Genetic Engineering and Biotechnology, 2021, 19, 120.	1.5	12
1156	Characterization of an α -Glucosidase Enzyme Conserved in <i>Gardnerella</i> spp. Isolated from the Human Vaginal Microbiome. Journal of Bacteriology, 2021, 203, e0021321.	1.0	14
1158	Ecology drives the evolution of diverse social strategies in <i>Pseudomonas aeruginosa</i> . Molecular Ecology, 2021, 30, 5214-5228.	2.0	12
1159	Genome-Scale Metabolic Models and Machine Learning Reveal Genetic Determinants of Antibiotic Resistance in <i>Escherichia coli</i> and Unravel the Underlying Metabolic Adaptation Mechanisms. MSystems, 2021, 6, e0091320.	1.7	26
1160	Theory of microbial coexistence in promoting soil "plant ecosystem health. Biology and Fertility of Soils, 2021, 57, 897-911.	2.3	21
1161	Effect of treatment of pneumonia and otitis media with tildipirosin or florfenicol + flunixin meglumine on health and upper respiratory tract microbiota of preweaned Holstein dairy heifers. Journal of Dairy Science, 2021, 104, 10291-10309.	1.4	8
1162	Colicin-Mediated Transport of DNA through the Iron Transporter FepA. MBio, 2021, 12, e0178721.	1.8	7
1163	Bioaugmentation With a Consortium of Bacterial Sodium Lauryl Ether Sulfate-Degraders for Remediation of Contaminated Soils. Frontiers in Microbiology, 2021, 12, 740118.	1.5	1
1164	Quantification of Interbacterial Competition using Single-Cell Fluorescence Imaging. Journal of Visualized Experiments, 2021, , .	0.2	1
1165	BiG-MAP: an Automated Pipeline To Profile Metabolic Gene Cluster Abundance and Expression in Microbiomes. MSystems, 2021, 6, e0093721.	1.7	16
1166	Precise quantification of bacterial strains after fecal microbiota transplantation delineates long-term engraftment and explains outcomes. Nature Microbiology, 2021, 6, 1309-1318.	5.9	60

#	ARTICLE	IF	CITATIONS
1167	Ratio of Electron Donor to Acceptor Influences Metabolic Specialization and Denitrification Dynamics in <i>Pseudomonas aeruginosa</i> in a Mixed Carbon Medium. <i>Frontiers in Microbiology</i> , 2021, 12, 711073.	1.5	2
1168	Critical Evaluation of Two Commercial Biocontrol Agents for Their Efficacy against <i>B. cinerea</i> under In Vitro and In Vivo Conditions in Relation to Different Abiotic Factors. <i>Agronomy</i> , 2021, 11, 1868.	1.3	6
1169	Colonization resistance against multi-drug-resistant bacteria: a narrative review. <i>Journal of Hospital Infection</i> , 2021, 118, 48-58.	1.4	14
1170	Engineering a customizable antibacterial T6SSâ€based platform in <i>Vibrio natriegens</i> . <i>EMBO Reports</i> , 2021, 22, e53681.	2.0	19
1171	Longitudinal characterization of multispecies microbial populations recovered from spaceflight potable water. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 70.	2.9	9
1173	Enrichment of Clostridia enhances <i>Geobacter</i> population and electron harvesting in a complex electroactive biofilm. <i>Bioelectrochemistry</i> , 2022, 143, 107954.	2.4	21
1175	Metagenomic Insights Into the Microbial Iron Cycle of Subseafloor Habitats. <i>Frontiers in Microbiology</i> , 2021, 12, 667944.	1.5	4
1176	Differential Surface Competition and Biofilm Invasion Strategies of <i>Pseudomonas aeruginosa</i> PA14 and PAO1. <i>Journal of Bacteriology</i> , 2021, 203, e0026521.	1.0	7
1177	Metagenomics reveals contrasting energy utilization efficiencies of captive and wild camels (<i>Camelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 1	1.3	11
1178	Oral iron supplementation after antibiotic exposure induces a deleterious recovery of the gut microbiota. <i>BMC Microbiology</i> , 2021, 21, 259.	1.3	15
1179	The evolution of strategy in bacterial warfare via the regulation of bacteriocins and antibiotics. <i>ELife</i> , 2021, 10, .	2.8	40
1180	Commensal inter-bacterial interactions shaping the microbiota. <i>Current Opinion in Microbiology</i> , 2021, 63, 158-171.	2.3	30
1181	The tombstones at the Monumental Cemetery of Milano select for a specialized microbial community. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105298.	1.9	7
1182	N-acyl-homoserine-lactones signaling as a critical control point for phosphorus entrapment by multi-species microbial aggregates. <i>Water Research</i> , 2021, 204, 117627.	5.3	19
1183	BactoTraits â€“ A functional trait database to evaluate how natural and man-induced changes influence the assembly of bacterial communities. <i>Ecological Indicators</i> , 2021, 130, 108047.	2.6	13
1184	Transferring concepts from plant to microbial ecology: A framework proposal to identify relevant bacterial functional traits. <i>Soil Biology and Biochemistry</i> , 2021, 162, 108415.	4.2	19
1185	Constructive design of open-loop Nash equilibrium strategies that admit a feedback synthesis in LQ games. <i>Automatica</i> , 2021, 133, 109840.	3.0	1
1186	Probiotic properties of <i>Lactobacillus casei</i> â€“ MYSRD 108 and <i>Lactobacillus plantarum</i> -MYSRD 71 with potential antimicrobial activity against <i>Salmonella paratyphi</i> . <i>Biotechnology Reports (Amsterdam)</i> Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	11

#	ARTICLE	IF	CITATIONS
1187	Effects of volatile sulfur compounds on growth and oxidative stress of <i>Rhizobium leguminosarum</i> E20-8 exposed to cadmium. <i>Science of the Total Environment</i> , 2021, 800, 149478.	3.9	4
1188	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. <i>Environmental Pollution</i> , 2021, 291, 118161.	3.7	20
1189	Boundedness and stabilization in a two-species chemotaxis system with two chemicals. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 506, 125609.	0.5	3
1190	Cucurbit[7]uril: Synthesis and quenching the quorum sensing in bacteria. <i>Journal of Molecular Structure</i> , 2022, 1248, 131505.	1.8	0
1191	Synergistic and Antagonistic Effects of Microbial Co-culture on Bioremediation of Polluted Environments. <i>Microorganisms for Sustainability</i> , 2021, , 229-265.	0.4	3
1193	Plant-Microbe Interactions: From Genes to Ecosystems Using <i>Populus</i> as a Model System. <i>Phytobiomes Journal</i> , 2021, 5, 29-38.	1.4	31
1195	Haemophilin-Producing Strains of <i>Haemophilus haemolyticus</i> Protect Respiratory Epithelia from NTHi Colonisation and Internalisation. <i>Pathogens</i> , 2021, 10, 29.	1.2	6
1196	Discovery of novel secondary metabolites encoded in actinomycete genomes through coculture. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	1.4	29
1197	Foodborne Pathogen Detection. <i>Food Engineering Series</i> , 2015, , 173-201.	0.3	2
1198	Applications of <i>Streptomyces</i> spp. Enhanced Compost in Sustainable Agriculture. <i>Soil Biology</i> , 2020, , 257-291.	0.6	9
1199	Global Microbiome for Agroecology, Industry, and Human Well-Being: Opportunities and Challenges in Climate Change. <i>SpringerBriefs in Ecology</i> , 2015, , 125-152.	0.2	2
1200	Biopolymers and Macromolecules. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-5.	0.1	2
1201	Bacterial Games. <i>The Frontiers Collection</i> , 2011, , 297-329.	0.1	7
1202	Role of Siderophores in Crop Improvement. , 2011, , 109-139.		23
1203	Intra and Inter-Species Communication in Microbes: Living with Complex and Sociable Neighbors. , 2018, , 7-16.		8
1204	The Light Awakens! Sensing Light and Darkness. , 2019, , 21-57.		6
1205	Rhizosphere Biology: A Key to Agricultural Sustainability. <i>Environmental and Microbial Biotechnology</i> , 2021, , 161-182.	0.4	8
1206	Volatile Interplay Between Microbes: Friends and Foes. , 2020, , 215-235.		4

#	ARTICLE	IF	CITATIONS
1207	Extrication of the Microbial Interactions of Activated Sludge Used in the Textile Effluent Treatment of Anaerobic Reactor Through Metagenomic Profiling. <i>Current Microbiology</i> , 2020, 77, 2496-2509.	1.0	6
1208	Hybrid Model of Bacterial Biofilm Growth. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 27.	0.9	11
1209	Specialized Metabolites for Bacterial Communication. , 2020, , 66-96.		1
1210	Microbial model communities: To understand complexity, harness the power of simplicity. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3987-4001.	1.9	27
1211	<i>Ralstonia solanacearum</i> pathogen disrupts bacterial rhizosphere microbiome during an invasion. <i>Soil Biology and Biochemistry</i> , 2018, 118, 8-17.	4.2	120
1212	Bacterial coexistence driven by motility and spatial competition. <i>Nature</i> , 2020, 578, 588-592.	13.7	83
1213	A peek in the micro-sized world: a review of design principles, engineering tools, and applications of engineered microbial community. <i>Biochemical Society Transactions</i> , 2020, 48, 399-409.	1.6	5
1214	Economic imaginaries of the Anti-biosis: between "economies of resistance"™ and the "resistance of economies"™. <i>Palgrave Communications</i> , 2018, 4, .	4.7	11
1215	Importance of adhesins in the recurrence of pharyngeal infections caused by <i>Streptococcus pyogenes</i> . <i>Journal of Medical Microbiology</i> , 2017, 66, 517-525.	0.7	5
1216	Metabolic manipulation by <i>Pseudomonas fluorescens</i> : a powerful stratagem against oxidative and metal stress. <i>Journal of Medical Microbiology</i> , 2020, 69, 339-346.	0.7	14
1217	Transmission and lineage displacement drive rapid population genomic flux in cystic fibrosis airway infections of a <i>Pseudomonas aeruginosa</i> epidemic strain. <i>Microbial Genomics</i> , 2018, 4, .	1.0	19
1218	The role of inter-species interactions in <i>Salinispora</i> specialized metabolism. <i>Microbiology (United Kingdom)</i> , 2019, 165, 538-553.	0.7	11
1219	<i>ngrA</i> -dependent natural products are required for interspecies competition and virulence in the insect pathogenic bacterium <i>Xenorhabdus szentirmaii</i> . <i>Microbiology (United Kingdom)</i> , 2019, 165, 538-553.	0.7	5
1248	Determination of the molecular basis for coprogen import by Gram-negative bacteria. <i>IUCr</i> , 2019, 6, 401-411.	1.0	19
1249	Quorum Sensing in <i>Burkholderia</i> . , 0, , 40-57.		3
1250	The Roles of Inflammation, Nutrient Availability and the Commensal Microbiota in Enteric Pathogen Infection. , 0, , 297-320.		16
1251	Gene Dispensability in <i>Escherichia coli</i> Grown in Thirty Different Carbon Environments. <i>MBio</i> , 2020, 11, .	1.8	21
1252	Iron Flocs and the Three Domains: Microbial Interactions in Freshwater Iron Mats. <i>MBio</i> , 2020, 11, .	1.8	5

#	ARTICLE	IF	CITATIONS
1253	Antibiotics: Conflict and Communication in Microbial Communities. <i>Microbe Magazine</i> , 2014, 9, 282-288.	0.4	7
1254	Commensal <i>Propionibacterium</i> strain UF1 mitigates intestinal inflammation via Th17 cell regulation. <i>Journal of Clinical Investigation</i> , 2017, 127, 3970-3986.	3.9	67
1255	Modeling Species Interactions within Carrion Food Webs. , 2015, , 246-261.		1
1256	Wars between microbes on roots and fruits. <i>F1000Research</i> , 2017, 6, 343.	0.8	45
1257	Ignoring social distancing: advances in understanding multi-species bacterial interactions. <i>Faculty Reviews</i> , 2020, 9, 23.	1.7	4
1258	Boundedness in a two-species quasi-linear chemotaxis system with two chemicals. <i>Topological Methods in Nonlinear Analysis</i> , 2016, 48, 1.	0.2	5
1259	Effects of stochasticity and division of labor in toxin production on two-strain bacterial competition in <i>Escherichia coli</i> . <i>PLoS Biology</i> , 2017, 15, e2001457.	2.6	27
1260	The Evolution of Quorum Sensing as a Mechanism to Infer Kinship. <i>PLoS Computational Biology</i> , 2016, 12, e1004848.	1.5	55
1261	No Apparent Costs for Facultative Antibiotic Production by the Soil Bacterium <i>Pseudomonas fluorescens</i> Pf0-1. <i>PLoS ONE</i> , 2011, 6, e27266.	1.1	33
1262	Dynamic Alteration of the Colonic Microbiota in Intestinal Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2012, 7, e42027.	1.1	65
1263	Modelling Co-Infection of the Cystic Fibrosis Lung by <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cenocepacia</i> Reveals Influences on Biofilm Formation and Host Response. <i>PLoS ONE</i> , 2012, 7, e52330.	1.1	91
1264	The Weak Shall Inherit: Bacteriocin-Mediated Interactions in Bacterial Populations. <i>PLoS ONE</i> , 2013, 8, e63837.	1.1	34
1265	Comparative Genome Analysis of <i>Enterobacter cloacae</i> . <i>PLoS ONE</i> , 2013, 8, e74487.	1.1	72
1266	Emergence of Collective Territorial Defense in Bacterial Communities: Horizontal Gene Transfer Can Stabilize Microbiomes. <i>PLoS ONE</i> , 2014, 9, e95511.	1.1	3
1267	Effect of Incubation on Bacterial Communities of Eggshells in a Temperate Bird, the Eurasian Magpie (<i>Pica pica</i>). <i>PLoS ONE</i> , 2014, 9, e103959.	1.1	52
1268	Hard Surface Biocontrol in Hospitals Using Microbial-Based Cleaning Products. <i>PLoS ONE</i> , 2014, 9, e108598.	1.1	81
1269	The Effect of Phylogenetically Different Bacteria on the Fitness of <i>Pseudomonas fluorescens</i> in Sand Microcosms. <i>PLoS ONE</i> , 2015, 10, e0119838.	1.1	15
1270	Culture-Dependent and -Independent Methods Capture Different Microbial Community Fractions in Hydrocarbon-Contaminated Soils. <i>PLoS ONE</i> , 2015, 10, e0128272.	1.1	167

#	ARTICLE	IF	CITATIONS
1271	Aminobacter MSH1-Mineralisation of BAM in Sand-Filters Depends on Biological Diversity. PLoS ONE, 2015, 10, e0128838.	1.1	9
1272	A Synthetic Quorum Sensing System Reveals a Potential Private Benefit for Public Good Production in a Biofilm. PLoS ONE, 2015, 10, e0132948.	1.1	24
1273	Trait Differentiation within the Fungus-Feeding (Mycophagous) Bacterial Genus Collimonas. PLoS ONE, 2016, 11, e0157552.	1.1	11
1274	Growth-altering microbial interactions are responsive to chemical context. PLoS ONE, 2017, 12, e0164919.	1.1	15
1275	Novel co-culture plate enables growth dynamic-based assessment of contact-independent microbial interactions. PLoS ONE, 2017, 12, e0182163.	1.1	19
1276	A mouse mastitis model to study the effects of the intramammary infusion of a food-grade Lactococcus lactis strain. PLoS ONE, 2017, 12, e0184218.	1.1	18
1277	Distribution of siderophore gene systems on a Vibrionaceae phylogeny: Database searches, phylogenetic analyses and evolutionary perspectives. PLoS ONE, 2018, 13, e0191860.	1.1	53
1278	Shifts in methanogenic archaea communities and methane dynamics along a subtropical estuarine land use gradient. PLoS ONE, 2020, 15, e0242339.	1.1	11
1279	Analysis Of Enterococcus Faecalis, Staphylococcus Aureus, And Candida Albicans In Cast Metal Cores. Revista De La Facultad De Odontologia Universidad De Antioquia, 2017, 28, 292-310.	0.1	2
1280	Extreme environment: Biofilms and microbial diversity. Malaysian Journal of Microbiology, 2018, , .	0.1	1
1281	Antimicrobial producing bacteria isolated from tropical peat swamp soil. Malaysian Journal of Microbiology, 2015, , .	0.1	3
1282	Predominance of <i>Lactobacillus plantarum</i> Strains in Peruvian Amazonian Fruits. Polish Journal of Microbiology, 2019, 68, 127-137.	0.6	8
1283	TYPE VB AND VI SECRETION SYSTEMS AS COMPETITION AGENTS OF GRAM-NEGATIVE BACTERIA. Postepy Mikrobiologii, 2019, 57, 360-373.	0.1	2
1284	Formation of therapeutic phage cocktail and endolysin to highly multi-drug resistant : and study. Iranian Journal of Basic Medical Sciences, 2018, 21, 1100-1108.	1.0	19
1285	The Effects of Fermentation Process on the Chemical Composition and Biological Activity of Spider Flower (Gynandropsis gynandra). Journal of Pure and Applied Microbiology, 2018, 12, 497-504.	0.3	5
1286	Plant growth promoting and antagonistic Activity of bacillus strains isolated From rice rhizosphere. International Journal of Pharma and Bio Sciences, 2017, 8, .	0.1	5
1287	Evaluating the Role of Postbiotics as a New Generation of Probiotics in Health and Diseases. Journal of Ardabil University of Medical Sciences, 2020, 19, 381-399.	0.1	11
1288	Antagonistic features displayed by Plant Growth Promoting Rhizobacteria (PGPR): A Review. Journal of Plant Science and Phytopathology, 2017, 1, 038-043.	0.4	68

#	ARTICLE	IF	CITATIONS
1289	Bacterial and archaeal biogeography of the deep chlorophyll maximum in the South Pacific Gyre. <i>Aquatic Microbial Ecology</i> , 2015, 75, 1-13.	0.9	24
1290	Differential responses of bacteria to diatom-derived dissolved organic matter in the Arctic Ocean. <i>Aquatic Microbial Ecology</i> , 2018, 82, 59-72.	0.9	14
1291	Effects of abiotic and biotic factors on <i>Vibrio harveyi</i> ATCC 14126T survival dynamics in seawater microcosms. <i>Aquatic Microbial Ecology</i> , 2019, 83, 109-118.	0.9	7
1292	Urbanization and Waterborne Pathogen Emergence in Low-Income Countries: Where and How to Conduct Surveys?. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 480.	1.2	14
1293	Bacteriophage Treatment: Critical Evaluation of Its Application on World Health Organization Priority Pathogens. <i>Viruses</i> , 2021, 13, 51.	1.5	23
1294	Antibiotic production by intertidal sedimentary and porewater bacteria and the characterization of their prevalence & in situ. <i>Plankton and Benthos Research</i> , 2019, 14, 197-205.	0.2	3
1295	Revealing the biotechnological potential of <i>Delftia</i> sp. JD2 by a genomic approach. <i>AIMS Bioengineering</i> , 2016, 3, 156-175.	0.6	23
1296	Recent advances in dental biofilm: impacts of microbial interactions on the biofilm ecology and pathogenesis. <i>AIMS Bioengineering</i> , 2017, 4, 335-350.	0.6	11
1297	Boundedness vs. blow-up in a two-species chemotaxis system with two chemicals. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 3165-3183.	0.5	81
1298	Macroalgal allelopathy in the emergence of coral diseases. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 741-762.	0.5	2
1299	Boundedness in a two-species chemotaxis parabolic system with two chemicals. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 2717-2729.	0.5	10
1300	Kin cell lysis is a danger signal that activates antibacterial pathways of <i>Pseudomonas aeruginosa</i> . <i>ELife</i> , 2015, 4, .	2.8	113
1301	Contact-dependent killing by <i>Caulobacter crescentus</i> via cell surface-associated, glycine zipper proteins. <i>ELife</i> , 2017, 6, .	2.8	65
1302	Shearing in flow environment promotes evolution of social behavior in microbial populations. <i>ELife</i> , 2018, 7, .	2.8	9
1303	Trade-off shapes diversity in eco-evolutionary dynamics. <i>ELife</i> , 2018, 7, .	2.8	37
1304	Density-dependent resistance protects <i>Legionella pneumophila</i> from its own antimicrobial metabolite, HGA. <i>ELife</i> , 2019, 8, .	2.8	11
1305	Flower-like patterns in multi-species bacterial colonies. <i>ELife</i> , 2020, 9, .	2.8	49
1306	Does diversity beget diversity in microbiomes?. <i>ELife</i> , 2020, 9, .	2.8	33

#	ARTICLE	IF	CITATIONS
1307	Diversity and ecological structure of vibrios in benthic and pelagic habitats along a latitudinal gradient in the Southwest Atlantic Ocean. PeerJ, 2015, 3, e741.	0.9	18
1308	Boundedness of Solutions in a Fully Parabolic Quasilinear Chemotaxis Model with Two Species and Two Chemicals. Taiwanese Journal of Mathematics, 2022, 26, .	0.2	0
1309	The <i>Escherichia coli</i> SOS Response: Much More than DNA Damage Repair. , 0, , .		2
1310	Antimicrobial Potential of Rhizospheric Bacteria <i>Streptobacillus</i> sp.. Journal of Pure and Applied Microbiology, 2021, 15, 1846-1854.	0.3	1
1311	Microbiome Population Dynamics of Cold-Smoked Sockeye Salmon during Refrigerated Storage and after Culture Enrichment. Journal of Food Protection, 2022, 85, 238-253.	0.8	5
1312	Phage tail-like nanostructures affect microbial interactions between <i>Streptomyces</i> and fungi. Scientific Reports, 2021, 11, 20116.	1.6	9
1313	Cross-Contamination Risk of Dental Tray Adhesives: An In Vitro Study. Materials, 2021, 14, 6138.	1.3	2
1314	Competition dynamics in long-term propagations of <i>Schizosaccharomyces pombe</i> strain communities. Ecology and Evolution, 2021, 11, 15085-15097.	0.8	3
1315	Unifying themes and distinct features of carbon and nitrogen assimilation by polysaccharide-degrading bacteria: a summary of four model systems. Applied Microbiology and Biotechnology, 2021, 105, 8109-8127.	1.7	5
1316	Indirect reduction of <i>Ralstonia solanacearum</i> via pathogen helper inhibition. ISME Journal, 2022, 16, 868-875.	4.4	32
1317	Combining Culture-Dependent and Independent Approaches for the Optimization of Epoxiconazole and Fludioxonil-Degrading Bacterial Consortia. Microorganisms, 2021, 9, 2109.	1.6	6
1318	Charting the complexity of the activated sludge microbiome through a hybrid sequencing strategy. Microbiome, 2021, 9, 205.	4.9	29
1319	Halocins, natural antimicrobials of Archaea: Exotic or special or both?. Biotechnology Advances, 2021, 53, 107834.	6.0	21
1320	Substrate stoichiometric regulation of microbial respiration and community dynamics across four different ecosystems. Soil Biology and Biochemistry, 2021, 163, 108458.	4.2	5
1321	Screening of Antimicrobial Marine Microorganisms and Purifying of Its Bioactive Substances. Lecture Notes in Electrical Engineering, 2014, , 1125-1135.	0.3	0
1322	Probiotics and Prebiotics and the Gut Microbiota. , 2013, , 258-268.		2
1324	From the Producer Microorganisms to the Lasso Scaffold. SpringerBriefs in Microbiology, 2015, , 7-35.	0.1	0
1325	Isolation of Antibiotic Vibrionaceae Bacteria from a Community Marine Silvo-Fishery Farm along Mtwapa Creek, Kenya. Open Access Library Journal (oalib), 2015, 02, 1-5.	0.1	0

#	ARTICLE	IF	CITATIONS
1327	16S rRNA-based Metagenomic Analysis of Endophytic Actinomycetes Diversity from <i>Tinospora crispa</i> L. Miers. <i>Microbiology Indonesia</i> , 2015, 9, 25-34.	0.2	1
1328	Importance of biofilms in infection pathology of human (review). <i>Journal of New Medical Technologies</i> , 2015, 9, 0-0.	0.0	1
1332	<i>Microbial Signaling.</i> , 2016, , 147-175.		1
1336	PROBIOTIC-BASED SANITATION AS ALTERNATIVES TO CHEMICAL DISINFECTANTS. <i>Russian Journal of Infection and Immunity</i> , 2018, 7, 419-424.	0.2	4
1338	Identification of Antibiotic Producing Bacteria from Soil Samples of Dhaka, Bangladesh. <i>Journal of Microbiology & Experimentation</i> , 2017, 4, .	0.1	2
1347	So sÃ;nh hiá»¸u quáº£ giáº£m bá»¸nh cá»¸a cÃ;ch chá»¸ng vi khuáº£n <i>Bacillus</i> sp. vÃ; <i>Serratia nematodiphila</i> Á»¸i khÃ;ng vá»¸i vi khuáº£n <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> gÃ;ch bá»¸nh chÃ;ng bá»¸a lÃ; lÃ;a. <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2018, 54(9), 59.	0.1	0
1348	A Quantitative Theory of War and Peace in the Gut Microbiota. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1350	Phenospace and Mutational Stability of Shared Antibiotic Resistance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1351	Biopolymers and Macromolecules. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 148-153.	0.1	0
1352	Understanding microbiomes through trait-based ecology. <i>Microbiology Australia</i> , 2018, 39, 53.	0.1	4
1358	A Short Review on Antibiotics and Ever-Changing Microbial Resistance Mechanisms. <i>British Journal of Pharmacy</i> , 2018, 3, .	0.1	1
1362	Effect of Organic Cultivation on the Occurrence of Beneficial Groups of Microorganisms in the Rhizosphere Soil of Vegetable Crops. <i>Journal of Horticultural Research</i> , 2018, 26, 15-24.	0.4	3
1366	High-level persistence of biofilm formation in in methicillin resistant <i>Staphylococcus aureus</i> . <i>Malaysian Journal of Microbiology</i> , 2019, , .	0.1	1
1367	Interspecific differences in the effect of fish on marine microbial plankton. <i>Aquatic Microbial Ecology</i> , 2019, 82, 289-298.	0.9	3
1379	Effect of Isolates of <i>Lactobacillus Reuteri</i> and <i>Lactobacillus Salivarius</i> Isolated from the Gastrointestinal Tract of Native Poultry of Northern of Iran on Performance, Serum Lipids and Immune Parameters of Broiler Chickens. <i>Research on Animal Production</i> , 2019, 10, 18-26.	0.2	1
1383	Optimization of glutaminase-free L-asparaginase production using mangrove endophytic <i>Lysinibacillus fusiformis</i> B27. <i>F1000Research</i> , 2019, 8, 1938.	0.8	2
1385	Optimization of glutaminase-free L-asparaginase production using mangrove endophytic <i>Lysinibacillus fusiformis</i> B27. <i>F1000Research</i> , 2019, 8, 1938.	0.8	3
1391	On-Farm Epidemiological Surveillance of Genetically Improved Farmed Tilapia (GIFT) Cultured at Floating Net Cages in Pahang, Malaysia. <i>Sains Malaysiana</i> , 2020, 49, 1819-1827.	0.3	0

#	ARTICLE	IF	CITATIONS
1393	The Effects of Human Milk Oligosaccharides on Gut Microbiota, Metabolite Profiles and Host Mucosal Response in Patients with Irritable Bowel Syndrome. <i>Nutrients</i> , 2021, 13, 3836.	1.7	17
1394	Impact of bacterial volatiles on phytopathogenic fungi: an <i>in vitro</i> study on microbial competition and interaction. <i>Journal of Experimental Botany</i> , 2022, 73, 596-614.	2.4	8
1396	Edge effects and spatial degradation process in highly fragmented grassland – impact on soil microbial community. <i>Ecological Indicators</i> , 2021, 132, 108307.	2.6	9
1397	Isolation and Characterization of Anoxygenic Photosynthetic Bacteria for Reducing Ammonia and Probiotics Candidate. <i>Asian Journal of Scientific Research</i> , 2020, 14, 6-12.	0.3	2
1398	Exometabolite Dynamics over Stationary Phase Reveal Strain-Specific Responses. <i>MSystems</i> , 2020, 5, .	1.7	7
1400	CLINICAL ISOLATES OF <i>E.coli</i> IN PIGS – ANTIMICROBIAL RESISTANCE AND PERSPECTIVES TO OPTIMIZE ANTIBIOTIC ADMINISTRATION. <i>Archives of Veterinary Medicine</i> , 2020, 13, 17-27.	0.1	0
1401	R-type bacteriocins of <i>Xenorhabdus bovienii</i> determine the outcome of interspecies competition in a natural host environment. <i>Microbiology (United Kingdom)</i> , 2020, 166, 1074-1087.	0.7	8
1404	Biological Control Agents: Diversity, Ecological Significances, and Biotechnological Applications. , 2020, , 31-44.		7
1406	Intrinsic and Extrinsic Factors Affecting Microbial Growth in Food Systems. <i>Food Engineering Series</i> , 2020, , 3-24.	0.3	14
1407	Extracellular Vesicles in the Environment. , 2020, , 75-99.		4
1411	Inter-Kingdom Networks of Canola Microbiome Reveal <i>Bradyrhizobium</i> as Keystone Species and Underline the Importance of Bulk Soil in Microbial Studies to Enhance Canola Production. <i>Microbial Ecology</i> , 2022, 84, 1166-1181.	1.4	6
1416	Wildfire and harvesting effects on carbon dynamics in an oak-pine mixed forest. <i>IForest</i> , 2020, 13, 435-440.	0.5	1
1418	The Influence of the Gut Microbiota on Host Physiology: In Pursuit of Mechanisms. <i>Yale Journal of Biology and Medicine</i> , 2016, 89, 285-297.	0.2	44
1419	Evaluation of the Bioactive Potential of Secondary Metabolites Produced by a New Marine Species Isolated from the Persian Gulf. <i>Avicenna Journal of Medical Biotechnology</i> , 2020, 12, 61-65.	0.2	5
1420	Biocontrol applications of microbial metabolites. , 2022, , 181-216.		2
1421	Effects of influent immigration and environmental factors on bacterial assembly of activated sludge microbial communities. <i>Environmental Research</i> , 2022, 205, 112426.	3.7	17
1422	Rhizobacteria Impact Colonization of <i>Listeria monocytogenes</i> on <i>Arabidopsis thaliana</i> Roots. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0141121.	1.4	2
1423	Antagonistic bioagent mechanisms of controlling potato soft rot. <i>Plant Protection Science</i> , 2021, 58, 18-30.	0.7	7

#	ARTICLE	IF	CITATIONS
1424	Blow-up vs boundedness in a two-species attractionâ€“repulsion chemotaxis system with two chemicals. <i>Journal of Mathematical Physics</i> , 2021, 62, 111508.	0.5	1
1425	Evolution of bacterial communities during the concentration and recirculation of dairy white wastewater by reverse osmosis. <i>International Dairy Journal</i> , 2022, 127, 105283.	1.5	2
1426	Culturable bacteria are more common than fungi in floral nectar and are more easily dispersed by thrips, a ubiquitous flower visitor. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	13
1427	Gram-Negative Bacteria from Organic and Conventional Agriculture in the Hydrographic Basin of Loja: Quality or Pathogen Reservoir?. <i>Agronomy</i> , 2021, 11, 2362.	1.3	5
1428	Staphylococcal ClpXP protease targets the cellular antioxidant system to eliminate fitness-compromised cells in stationary phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
1429	Do Bioinoculants Affect Resident Microbial Communities? A Meta-Analysis. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	18
1430	Identification and functional analysis of bacteria in sclerotia of <i>Cordyceps militaris</i> . <i>PeerJ</i> , 2021, 9, e12511.	0.9	3
1431	Synergistic Interactions Among Microbial Communities. , 2021, , 1-37.		2
1432	Effects of antibiotics on Vietnam koi, <i>Anabas testudineus</i> , exposed to <i>Aeromonas dhakensis</i> as a co-infection. <i>Acta Tropica</i> , 2022, 226, 106281.	0.9	2
1433	A novel anammox aggregate nourished sustainably internal heterotrophic nitrate removal pathway with endogenous carbon source. <i>Bioresource Technology</i> , 2022, 346, 126525.	4.8	12
1434	Enhancing the proportion of gluconic acid with a microbial community reconstruction method to improve the taste quality of Kombucha. <i>LWT - Food Science and Technology</i> , 2022, 155, 112937.	2.5	26
1438	Anti-mycobacterial activity of heat and pH stable high molecular weight protein(s) secreted by a bacterial laboratory contaminant. <i>Microbial Cell Factories</i> , 2022, 21, 15.	1.9	1
1439	McComedy: A user-friendly tool for next-generation individual-based modeling of microbial consumer-resource systems. <i>PLoS Computational Biology</i> , 2022, 18, e1009777.	1.5	3
1440	Membrane Organization Strategies in Vesicular Antibiotic Delivery. <i>Journal of Membrane Biology</i> , 2022, , 1.	1.0	1
1441	Production of a newly discovered PHA family member with an isobutyrate-fed enrichment culture. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 605-618.	1.7	8
1442	Ribosomally synthesized peptides, foreground players in microbial interactions: recent developments and unanswered questions. <i>Natural Product Reports</i> , 2022, 39, 273-310.	5.2	26
1443	Adaptive Metabolism of <i>Staphylococcus aureus</i> Revealed by Untargeted Metabolomics. <i>Journal of Proteome Research</i> , 2022, 21, 470-481.	1.8	10
1444	Effects of lactic acid-producing bacteria as direct-fed microbials on the ruminal microbiome. <i>Journal of Dairy Science</i> , 2022, 105, 2242-2255.	1.4	14

#	ARTICLE	IF	CITATIONS
1446	Microbiological quality analysis of inoculants based on Bradyrhizobium spp. and Azospirillum brasilense produced in a farm reveals high contamination with non-target microorganisms. Brazilian Journal of Microbiology, 2022, 53, 267.	0.8	4
1447	Formation, Development, and Cross-Species Interactions in Biofilms. Frontiers in Microbiology, 2021, 12, 757327.	1.5	28
1448	Interspecies Interactions of the 2,6-Dichlorobenzamide Degrading <i>Aminobacter</i> sp. MSH1 with Resident Sand Filter Bacteria: Indications for Mutual Cooperative Interactions That Improve BAM Mineralization Activity. Environmental Science & Technology, 2022, 56, 1352-1364.	4.6	2
1449	Boundedness in a two species attraction-repulsion chemotaxis system with two chemicals. Discrete and Continuous Dynamical Systems - Series B, 2022, 27, 6037.	0.5	3
1450	Brenneria goodwinii growth in vitro is improved by competitive interactions with other bacterial species associated with Acute Oak Decline. Current Research in Microbial Sciences, 2022, 3, 100102.	1.4	4
1451	BIOME-Preserve: A novel storage and transport medium for preserving anaerobic microbiota samples for culture recovery. PLoS ONE, 2022, 17, e0261820.	1.1	2
1453	Microbial adaptation to different environmental conditions: molecular perspective of evolved genetic and cellular systems. Archives of Microbiology, 2022, 204, 144.	1.0	48
1454	A Simple Biosensor-Based Assay for Quantitative Autoinducer-2 Analysis. ACS Synthetic Biology, 2022, 11, 747-759.	1.9	3
1455	Negatively Regulated Aerobactin and Desferrioxamine E by Fur in Pantoea ananatis Are Required for Full Siderophore Production and Antibacterial Activity, but Not for Virulence. Applied and Environmental Microbiology, 2022, 88, aem0240521.	1.4	1
1456	Comparative Genome Analysis Reveals Phylogenetic Identity of Bacillus velezensis HNA3 and Genomic Insights into Its Plant Growth Promotion and Biocontrol Effects. Microbiology Spectrum, 2022, 10, e0216921.	1.2	25
1457	Polar soils exhibit distinct patterns in microbial diversity and dominant phylotypes. Soil Biology and Biochemistry, 2022, 166, 108550.	4.2	19
1458	Cautionary notes on the use of co-occurrence networks in soil ecology. Soil Biology and Biochemistry, 2022, 166, 108534.	4.2	64
1459	Persistence of wastewater-associated antibiotic resistant bacteria in river microcosms. Science of the Total Environment, 2022, 819, 153099.	3.9	7
1460	Humic substances suppress Fusarium oxysporum by regulating soil microbial community in the rhizosphere of cucumber (Cucumis sativus L.). Applied Soil Ecology, 2022, 174, 104389.	2.1	5
1461	Deciphering of Microbial Community Structures and Functions of Wastewater Treatment at High-Altitude Area. SSRN Electronic Journal, 0, , .	0.4	0
1462	Impact of different sugars and glycosyltransferases on the assertiveness of Latilactobacillus sakei in raw sausage fermentations. International Journal of Food Microbiology, 2022, 366, 109575.	2.1	3
1463	Rich resource environment of fish farms facilitates phenotypic variation and virulence in an opportunistic fish pathogen. Evolutionary Applications, 2022, 15, 417-428.	1.5	3
1464	Acinetobactin-Mediated Inhibition of Commensal Bacteria by Acinetobacter baumannii. MSphere, 2022, 7, e0001622.	1.3	8

#	ARTICLE	IF	CITATIONS
1465	Environmental structure impacts microbial composition and secondary metabolism. ISME Communications, 2022, 2, .	1.7	19
1466	Interactions of Vallisneria natans and Iron-Oxidizing Bacteria Enhance Iron-Bound Phosphorus Formation in Eutrophic Lake Sediments. Microorganisms, 2022, 10, 413.	1.6	2
1467	Lactic Acid Bacteria as Antimicrobial Agents: Food Safety and Microbial Food Spoilage Prevention. Foods, 2021, 10, 3131.	1.9	79
1469	Immunoprophylactic Measures in Aquaculture. , 2021, , 263-288.		1
1471	Biosynthetic gene cluster profiling predicts the positive association between antagonism and phylogeny in Bacillus. Nature Communications, 2022, 13, 1023.	5.8	33
1472	Dishonest Signaling in Microbial Conflicts. Frontiers in Microbiology, 2022, 13, 812763.	1.5	2
1474	Fungal and Bacterial Communities in Tuber melanosporum Plantations from Northern Spain. Forests, 2022, 13, 385.	0.9	9
1476	Identification and structure of an extracellular contractile injection system from the marine bacterium Algoriphagus machipongonensis. Nature Microbiology, 2022, 7, 397-410.	5.9	24
1477	β -Lactam Resistance in <i>Azospirillum baldaniorum</i> Sp245 Is Mediated by Lytic Transglycosylase and β -Lactamase and Regulated by a Cascade of RpoE7 and RpoH3 Sigma Factors. Journal of Bacteriology, 2022, 204, e0001022.	1.0	4
1478	Emergent Diversity and Persistent Turnover in Evolving Microbial Cross-Feeding Networks. Frontiers in Network Physiology, 2022, 2, .	0.8	2
1480	Identifying more targeted antimicrobials active against selected bacterial phytopathogens. Journal of Applied Microbiology, 2022, 132, 4388-4399.	1.4	3
1481	<i>Caenimonas aquaedulcis</i> sp. nov., Isolated from Freshwater of Daechung Reservoir during <i>Microcystis</i> Bloom. Journal of Microbiology and Biotechnology, 2022, 32, 1-10.	0.9	5
1482	Interaction and Assembly of Bacterial Communities in High-Latitude Coral Habitat Associated Seawater. Microorganisms, 2022, 10, 558.	1.6	2
1483	Mucin modifies microbial composition and improves metabolic functional potential of a synthetic gut microbial ecosystem. Journal of Applied Biological Chemistry, 2022, 65, 63-74.	0.2	0
1485	The colloidal nature of complex fluids enhances bacterial motility. Nature, 2022, 603, 819-823.	13.7	33
1486	Isolation and characterisation of monoclonal picocyanobacterial strains from contrasting New Zealand lakes. Inland Waters, 2022, 12, 383-396.	1.1	1
1489	<i>Streptococcus mutans</i> suppresses filamentous growth of <i>Candida albicans</i> through secreting mutanocyclin, an unacylated tetramic acid. Virulence, 2022, 13, 542-557.	1.8	10
1490	Plant pathogenic bacterium can rapidly evolve tolerance to an antimicrobial plant allelochemical. Evolutionary Applications, 2022, 15, 735-750.	1.5	4

#	ARTICLE	IF	CITATIONS
1491	Engineered Living Hydrogels. <i>Advanced Materials</i> , 2022, 34, e2201326.	11.1	75
1494	The physiology and genetics of bacterial responses to antibiotic combinations. <i>Nature Reviews Microbiology</i> , 2022, 20, 478-490.	13.6	54
1496	Microbial phylogenetic relatedness links to distinct successional patterns of bacterial and fungal communities. <i>Environmental Microbiology</i> , 2022, 24, 3985-4000.	1.8	11
1498	A comparative whole-genome approach identifies bacterial traits for marine microbial interactions. <i>Communications Biology</i> , 2022, 5, 276.	2.0	18
1500	Sulfur Cycling as a Viable Metabolism under Simulated Noachian/Hesperian Chemistries. <i>Life</i> , 2022, 12, 523.	1.1	3
1503	Chitogel following endoscopic sinus surgery promotes a healthy microbiome and reduces postoperative infections. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 1362-1376.	1.5	5
1504	Skin microbiota of quaker parrots (<i>Myiopsitta monachus</i>) with normal feathering or feather loss via next-generation sequencing technology. <i>Journal of Exotic Pet Medicine</i> , 2022, 42, 26-34.	0.2	4
1505	The Type VI Secretion Systems in Plant-Beneficial Bacteria Modulate Prokaryotic and Eukaryotic Interactions in the Rhizosphere. <i>Frontiers in Microbiology</i> , 2022, 13, 843092.	1.5	14
1506	Huddling together to survive: Population density as a survival strategy of non-spore forming bacteria under nutrient starvation and desiccation at solid-air interfaces. <i>Microbiological Research</i> , 2022, 258, 126997.	2.5	2
1507	Genome sequence of a carbapenemase-encoding <i>Acinetobacter baumannii</i> isolate of the sequence type 231 isolated from hospital wastewater in South Africa. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 29, 150-154.	0.9	5
1508	Stabilization in a two-species chemotaxis system with two chemicals under small initial conditions. <i>Applied Mathematics Letters</i> , 2022, 130, 108020.	1.5	0
1509	Performance of halotolerant bacteria associated with Sahara-inhabiting halophytes <i>Atriplex halimus</i> L. and <i>Lygeum spartum</i> L. ameliorate tomato plant growth and tolerance to saline stress: from selective isolation to genomic analysis of potential determinants. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 16.	1.7	3
1510	Adaptively evolved human oral actinomyces-sourced defensins show therapeutic potential. <i>EMBO Molecular Medicine</i> , 2022, 14, e14499.	3.3	8
1511	More Than Just a Spearhead: Diverse Functions of PAAR for Assembly and Delivery of Toxins of the Contractile Injection Systems. <i>MSystems</i> , 2021, 6, e0138621.	1.7	12
1512	Higher-order effects, continuous species interactions, and trait evolution shape microbial spatial dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
1513	Injectisome T3SS subunits as potential chaperones in the extracellular export of <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> bacteriocins Carocin S1 and Carocin S3 secreted via flagellar T3SS. <i>BMC Microbiology</i> , 2021, 21, 345.	1.3	3
1514	Lipopeptide Interplay Mediates Molecular Interactions between Soil Bacilli and Pseudomonads. <i>Microbiology Spectrum</i> , 2021, 9, e0203821.	1.2	27
1516	Dietary Interventions Ameliorate Infectious Colitis by Restoring the Microbiome and Promoting Stem Cell Proliferation in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 339.	1.8	9

#	ARTICLE	IF	CITATIONS
1518	Inhibitory Bacterial Diversity and Mucosome Function Differentiate Susceptibility of Appalachian Salamanders to Chytrid Fungal Infection. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0181821.	1.4	19
1519	Postbiotics as the new frontier in food and pharmaceutical research. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 8375-8402.	5.4	41
1520	The Bacterial Urban Resistome: Recent Advances. <i>Antibiotics</i> , 2022, 11, 512.	1.5	8
1521	Development of an in vitro Model of Human Gut Microbiota for Screening the Reciprocal Interactions With Antibiotics, Drugs, and Xenobiotics. <i>Frontiers in Microbiology</i> , 2022, 13, 828359.	1.5	10
1522	Phyllosphere Microorganisms: Sources, Drivers, and Their Interactions with Plant Hosts. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4860-4870.	2.4	38
1523	Positive biofilms to guide surface microbial ecology in livestock buildings. <i>Biofilm</i> , 2022, 4, 100075.	1.5	11
1525	Nematode Predation and Competitive Interactions Affect Microbe-Mediated Phosphorus Dynamics. <i>MBio</i> , 2022, 13, e0329321.	1.8	14
1526	The Microbial Quality of Commercial Chopped Romaine Lettuce Before and After the "Use By" Date. <i>Frontiers in Microbiology</i> , 2022, 13, 850720.	1.5	7
1527	A secondary metabolite drives intraspecies antagonism in a gut symbiont that is inhibited by cell-wall acetylation. <i>Cell Host and Microbe</i> , 2022, 30, 824-835.e6.	5.1	10
1528	Microcins reveal natural mechanisms of bacterial manipulation to inform therapeutic development. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	17
1529	Investigation of interspecies crosstalk between probiotic <i>Bacillus subtilis</i> BR4 and <i>Pseudomonas aeruginosa</i> using metabolomics analysis. <i>Microbial Pathogenesis</i> , 2022, 166, 105542.	1.3	18
1654	Efflux-Linked Accelerated Evolution of Antibiotic Resistance at a Population Edge. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1655	Role of exopolysaccharide and biofilms in microorganisms for alleviating salt stress. , 2022, , 205-230.		1
1656	Evolution of the murine gut resistome following broad-spectrum antibiotic treatment. <i>Nature Communications</i> , 2022, 13, 2296.	5.8	16
1657	Functional and Structural Diversity of Bacterial Contact-Dependent Growth Inhibition Effectors. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 866854.	1.6	6
1658	Identifying Associations in Minimum Inhibitory Concentration Values of <i>Escherichia coli</i> Samples Obtained From Weaned Dairy Heifers in California Using Bayesian Network Analysis. <i>Frontiers in Veterinary Science</i> , 2022, 9, 771841.	0.9	3
1659	Soil Amoebae Affect Iron and Chromium Reduction through Preferential Predation between Two Metal-Reducing Bacteria. <i>Environmental Science & Technology</i> , 2022, 56, 9052-9062.	4.6	11
1660	Variational Approximation-Based Model Selection for Microbial Network Inference. <i>Journal of Computational Biology</i> , 2022, 29, 724-737.	0.8	1

#	ARTICLE	IF	CITATIONS
1661	Dynamic Responses of Ammonia-Oxidizing Archaea and Bacteria Populations to Organic Material Amendments Affect Soil Nitrification and Nitrogen Use Efficiency. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	4
1662	The Field of Cell Competition Comes of Age: Semantics and Technological Synergy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	4
1663	Spatiotemporal bio-shielding of bacteria through consolidated geometrical structuring. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 37.	2.9	3
1664	Microbial eco-evolutionary dynamics in the plant rhizosphere. <i>Current Opinion in Microbiology</i> , 2022, 68, 102153.	2.3	14
1665	Heavy rainfall accelerates the temporal turnover but decreases the deterministic processes of buried gravesoil bacterial communities. <i>Science of the Total Environment</i> , 2022, 836, 155732.	3.9	11
1666	Modeling the effects of pH variation and bacteriocin synthesis on bacterial growth. <i>Applied Mathematical Modelling</i> , 2022, , .	2.2	1
1668	Concept and fundamentals of biofilms. , 2022, , 23-61.		0
1669	Microbial consortium engineering for the improvement of biochemicals production. , 2022, , 201-233.		1
1670	Machine learning predicts ecological risks of nanoparticles to soil microbial communities. <i>Environmental Pollution</i> , 2022, 307, 119528.	3.7	10
1671	Marine biofilms: diversity, interactions and biofouling. <i>Nature Reviews Microbiology</i> , 2022, 20, 671-684.	13.6	58
1672	Micro(nano)plastic size and concentration co-differentiate nitrogen transformation, microbiota dynamics, and assembly patterns in constructed wetlands. <i>Water Research</i> , 2022, 220, 118636.	5.3	37
1673	Coculture of <i>Trichoderma harzianum</i> and <i>Bacillus velezensis</i> Based on Metabolic Cross-Feeding Modulates Lipopeptide Production. <i>Microorganisms</i> , 2022, 10, 1059.	1.6	7
1675	Microbial Interspecies Interactions and Their Impact on the Emergence and Spread of Antimicrobial Resistance. <i>Annual Review of Microbiology</i> , 2022, 76, 179-192.	2.9	7
1676	Rhizosphere microbiome of forest trees is connected to their resistance to soil-borne pathogens. <i>Plant and Soil</i> , 2022, 479, 143-158.	1.8	7
1677	Time-related multivariate strategy for the comprehensive evaluation of microbial chemical data. <i>Metabolomics</i> , 2022, 18, .	1.4	2
1678	Biological Microbial Interactions from Cooccurrence Networks in a High Mountain Lacustrine District. <i>MSphere</i> , 2022, 7, .	1.3	1
1679	Can water composition and weather factors predict fecal indicator bacteria removal in retention ponds in variable weather conditions?. <i>Science of the Total Environment</i> , 2022, , 156410.	3.9	6
1680	Coupled CFD-DEM modeling to predict how EPS affects bacterial biofilm deformation, recovery and detachment under flow conditions. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2551-2563.	1.7	7

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1681	Potential probiotic approaches to control <i>Legionella</i> in engineered aquatic ecosystems. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	8
1682	Microbiome Restructuring: Dominant Coral Bacterium <i>Endozoicomonas</i> Species Respond Differentially to Environmental Changes. <i>MSystems</i> , 2022, 7, .	1.7	11
1683	A competitive advantage through fast dead matter elimination in confined cellular aggregates. <i>New Journal of Physics</i> , 2022, 24, 073003.	1.2	3
1684	Compositional and Functional Changes in Microbial Communities of Composts Due to the Composting-Related Factors and the Presence of <i>Listeria monocytogenes</i> . <i>Microbiology Spectrum</i> , 0, , .	1.2	4
1685	Metagenetic characterization of bacterial communities associated with ready-to-eat leafy vegetables and study of temperature effect on their composition during storage. <i>Food Research International</i> , 2022, 158, 111563.	2.9	7
1686	Use of Quartz Sand Columns to Study Far-Red Light Photoacclimation (FaRLIP) in Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	4
1687	A Novel Probiotic <i>Bacillus subtilis</i> Strain Confers Cytoprotection to Host Pig Intestinal Epithelial Cells during Enterotoxic <i>Escherichia coli</i> Infection. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	16
1688	Bioaugmentation with <i>Acinetobacter</i> sp. TAC-1 to enhance nitrogen removal in swine wastewater by moving bed biofilm reactor inoculated with bacteria. <i>Bioresource Technology</i> , 2022, 359, 127506.	4.8	18
1689	Real-time monitoring of mono- and dual-species biofilm formation and eradication using microfluidic platform. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
1690	The control of waterborne pathogenic bacteria in fresh water using a biologically active filter. <i>Npj Clean Water</i> , 2022, 5, .	3.1	2
1691	Demographic Expansions and the Emergence of Host Specialization in Genetically Distinct Ecotypes of the Tick-Transmitted Bacterium <i>Anaplasma phagocytophilum</i> . <i>Applied and Environmental Microbiology</i> , 0, , .	1.4	2
1692	Analysis of polycyclic aromatic hydrocarbons (PAHs) bioremediation by hydrocarbonoclastic degrading bacteria (<i>Gordonia terrae</i>). <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1036, 012028.	0.2	0
1693	Root stoichiometry explains wheat endophytes and their link with crop production after four decades of fertilization. <i>Science of the Total Environment</i> , 2022, 846, 157407.	3.9	4
1694	Microbial Natural Products with Antiviral Activities, Including Anti-SARS-CoV-2: A Review. <i>Molecules</i> , 2022, 27, 4305.	1.7	13
1695	Salt flat microbial diversity and dynamics across salinity gradient. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1696	Production of microalgae biomass in a continuous stirred bioreactor: Analysis of microalgae-bacteria competition mediated by nitrogen and organic carbon. <i>Chemical Engineering Science</i> , 2022, 260, 117826.	1.9	7
1697	Biodegradable microplastics enhance soil microbial network complexity and ecological stochasticity. <i>Journal of Hazardous Materials</i> , 2022, 439, 129610.	6.5	52
1698	Gut Microbiome-Linked Metabolites in the Pathobiology of Major Depression With or Without Anxiety—A Role for Bile Acids. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	19

#	ARTICLE	IF	CITATIONS
1700	Ability of Two Strains of Lactic Acid Bacteria To Inhibit <i>Listeria monocytogenes</i> by Spot Inoculation and in an Environmental Microbiome Context. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	6
1701	A Specialized Polythioamide-Binding Protein Confers Antibiotic Self-Resistance in Anaerobic Bacteria. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	2
1702	Optimizing the Spatial Topology of Bacterial Relay Systems: Delay Minimization. , 2022, , .		1
1703	Gene <i>rppA</i> co-regulated by LRR, SigA, and CcpA mediates antibiotic resistance in <i>Bacillus thuringiensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 5687-5699.	1.7	0
1707	Tracking the upstream history of aquatic microbes in a boreal lake yields new insights on microbial community assembly. , 0, , .		0
1708	Causality and correlation analysis for deciphering the microbial interactions in activated sludge. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
1712	A Mathematical Model for the Origin of Name Brands and Generics. <i>SIAM Review</i> , 2022, 64, 625-639.	4.2	0
1713	A Specialized Polythioamide-Binding Protein Confers Antibiotic Self-Resistance in Anaerobic Bacteria. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
1714	A large chromosomal inversion affects antimicrobial sensitivity of <i>Escherichia coli</i> to sodium deoxycholate. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	2
1715	Bacterial species metabolic interaction network for deciphering the lignocellulolytic system in fungal cultivating termite gut microbiota. <i>BioSystems</i> , 2022, 221, 104763.	0.9	2
1716	Dispersal of pathogen-associated multispecies biofilm by novel probiotic <i>Bacillus subtilis</i> in a contact-dependent manner. <i>Journal of Applied Microbiology</i> , 0, , .	1.4	2
1717	Microbe Related Chemical Signalling and Its Application in Agriculture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8998.	1.8	8
1718	Contribution of omics to biopreservation: Toward food microbiome engineering. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
1719	Isolation, Purification, and Characterisation of a Phage Tail-Like Bacteriocin from the Insect Pathogenic Bacterium <i>Brevibacillus laterosporus</i> . <i>Biomolecules</i> , 2022, 12, 1154.	1.8	3
1720	Tool and techniques study to plant microbiome current understanding and future needs: an overview. <i>Communicative and Integrative Biology</i> , 2022, 15, 209-225.	0.6	6
1721	The territorial nature of aggression in biofilms. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
1722	<i>Pseudomonas fluorescens</i> BsEB-1: an endophytic bacterium isolated from the root of <i>Bletilla striata</i> that can promote its growth. <i>Plant Signaling and Behavior</i> , 2022, 17, .	1.2	2
1723	Non-genetic resistance facilitates survival while hindering the evolution of drug resistance due to intraspecific competition. <i>Physical Biology</i> , 2022, 19, 066002.	0.8	3

#	ARTICLE	IF	CITATIONS
1724	Exploring the role of antimicrobials in the selective growth of purple phototrophic bacteria through genome mining and agar spot assays. <i>Letters in Applied Microbiology</i> , 0, , .	1.0	0
1725	A Metabolite Produced by Gut Microbes Represses Phage Infections in <i>Vibrio cholerae</i> . <i>ACS Chemical Biology</i> , 2022, 17, 2396-2403.	1.6	1
1726	Prevalent emergence of reciprocity among cross-feeding bacteria. <i>ISME Communications</i> , 2022, 2, .	1.7	5
1727	Long-term viable SF immobilized bacterial cells as sustainable solution for crack healing in concrete. <i>Structures</i> , 2022, 43, 1342-1355.	1.7	11
1728	Effects of dietary supplementation of duo-strain probiotics with post-spraying technology on growth performance, digestive enzyme, antioxidant capacity and intestinal microbiota of grass carp (<i>Ctenopharyngodon idella</i>). <i>Aquaculture Reports</i> , 2022, 26, 101301.	0.7	3
1730	Species abundance correlations carry limited information about microbial network interactions. <i>PLoS Computational Biology</i> , 2022, 18, e1010491.	1.5	6
1731	Metagenomic analysis reveals the diversity and distribution of antibiotic resistance genes in thermokarst lakes of the Yellow River Source Area. <i>Environmental Pollution</i> , 2022, 313, 120102.	3.7	8
1732	Cladophora can mitigate the shock of glyphosate-containing wastewater on constructed wetlands coupled with microbial fuel cells. <i>Chemosphere</i> , 2022, 308, 136273.	4.2	3
1733	Genetic, physiological, and cellular heterogeneities of bacterial pathogens in food matrices: Consequences for food safety. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 4294-4326.	5.9	1
1734	<i>Staphylococcus epidermidis</i> and its dual lifestyle in skin health and infection. <i>Nature Reviews Microbiology</i> , 2023, 21, 97-111.	13.6	47
1735	Effect of Probiotics on Host-Microbiota in Bacterial Infections. <i>Pathogens</i> , 2022, 11, 986.	1.2	9
1736	Comparative Genomic Analyses of the Genus <i>Photobacterium</i> Illuminate Biosynthetic Gene Clusters Associated with Antagonism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9712.	1.8	0
1737	Potential Utility of Ultrasound-Enhanced Delivery of Antibiotics, Anti-Inflammatory Agents, and Nutraceuticals: A Mini Review. <i>Antibiotics</i> , 2022, 11, 1290.	1.5	0
1738	Effect of Soil Aggregate Size on Vineyard Bacterial Communities under Organic and Conventional Agro-Managements. <i>Land</i> , 2022, 11, 1517.	1.2	2
1739	Microbial interactions play an important role in regulating the effects of plant species on soil bacterial diversity. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
1740	Convergent structure with divergent adaptations in combinatorial microbiome communities. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	0
1741	Is Adolescent Bullying an Evolutionary Adaptation? A 10-Year Review. <i>Educational Psychology Review</i> , 2022, 34, 2351-2378.	5.1	7
1742	Colicins and Microcins Produced by Enterobacteriaceae: Characterization, Mode of Action, and Putative Applications. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 11825.	1.2	16

#	ARTICLE	IF	CITATIONS
1743	Interspecies and Intrastrain Interplay among <i>Leishmania</i> spp. Parasites. <i>Microorganisms</i> , 2022, 10, 1883.	1.6	3
1744	Respiration-induced biofilm formation as a driver for bacterial niche colonization. <i>Trends in Microbiology</i> , 2023, 31, 120-134.	3.5	9
1746	Strength in Numbers: Density-Dependent Volatile-Induced Antimicrobial Activity by <i>Xanthomonas perforans</i> . <i>Phytopathology</i> , 2023, 113, 160-169.	1.1	1
1747	<i>Pseudomonas aeruginosa</i> Production of Hydrogen Cyanide Leads to Airborne Control of <i>Staphylococcus aureus</i> Growth in Biofilm and <i>In Vivo</i> Lung Environments. <i>MBio</i> , 2022, 13, .	1.8	11
1748	A biocontrol <i>Bacillus velezensis</i> strain decreases pathogen <i>Burkholderia glumae</i> population and occupies a similar niche in rice plants. <i>Biological Control</i> , 2022, 176, 105067.	1.4	7
1749	An ADP-ribosyltransferase toxin kills bacterial cells by modifying structured non-coding RNAs. <i>Molecular Cell</i> , 2022, 82, 3484-3498.e11.	4.5	19
1750	Anti-Biofilm Activity of Cell Free Supernatants of Selected Lactic Acid Bacteria against <i>Listeria monocytogenes</i> Isolated from Avocado and Cucumber Fruits, and from an Avocado Processing Plant. <i>Foods</i> , 2022, 11, 2872.	1.9	6
1754	Improving the antioxidant and anticancer potential of <i>Cinnamomum cassia</i> via fermentation with <i>Lactobacillus plantarum</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 36, e00768.	2.1	14
1755	Density-dependent effects are the main determinants of variation in growth dynamics between closely related bacterial strains. <i>PLoS Computational Biology</i> , 2022, 18, e1010565.	1.5	1
1756	Optimization of the Bacteriophage Cocktail for the Prevention of Brown Blotch Disease Caused by <i>Pseudomonas tolaasii</i> . <i>Plant Pathology Journal</i> , 2022, 38, 472-481.	0.7	1
1757	Antifungal cultures and metabolites of lactic acid bacteria for use in dairy fermentations. <i>International Journal of Food Microbiology</i> , 2022, 383, 109938.	2.1	8
1758	Engineering the Plant Microbiome for Biotic Stress Tolerance: Biotechnological Advances. <i>Microorganisms for Sustainability</i> , 2022, , 133-151.	0.4	4
1759	Linking microbial body size to community co-occurrences and stability at multiple geographical scales in agricultural soils. <i>Advances in Ecological Research</i> , 2022, , 1-26.	1.4	1
1760	Can microplastics mediate soil properties, plant growth and carbon/nitrogen turnover in the terrestrial ecosystem?. <i>Ecosystem Health and Sustainability</i> , 2022, 8, .	1.5	14
1761	Biodegradation of chlorpyrifos by bacterial strains isolated from Lebanese soil and its association with plant growth improvement. <i>Bioremediation Journal</i> , 0, , 1-20.	1.0	8
1763	Probiotic-based nanoparticles for targeted microbiota modulation and immune restoration in bacterial pneumonia. <i>National Science Review</i> , 2023, 10, .	4.6	12
1764	How It All Begins: Bacterial Factors Mediating the Colonization of Invertebrate Hosts by Beneficial Symbionts. <i>Microbiology and Molecular Biology Reviews</i> , 2022, 86, .	2.9	10
1765	Biofilm antimicrobial susceptibility through an experimental evolutionary lens. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	19

#	ARTICLE	IF	CITATIONS
1766	Environmental filtering and mass effect are two important processes driving lake benthic diatoms: Results of a <scp>DNA</scp> metabarcoding study in a large lake. <i>Molecular Ecology</i> , 2023, 32, 124-137.	2.0	4
1767	Controlling species densities in structurally perturbed intransitive cycles with higher-order interactions. <i>Chaos</i> , 2022, 32, .	1.0	17
1768	Fasting intervention and its clinical effects on the human host and microbiome. <i>Journal of Internal Medicine</i> , 2023, 293, 166-183.	2.7	10
1770	The Function and Molecular Mechanism of Commensal Microbiome in Promoting Malignant Progression of Lung Cancer. <i>Cancers</i> , 2022, 14, 5394.	1.7	3
1771	Effects of seasonal grazing on plant and soil microbial diversity of typical temperate grassland. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
1772	Effect of phenol formaldehyde-associated microplastics on soil microbial community, assembly, and functioning. <i>Journal of Hazardous Materials</i> , 2023, 443, 130288.	6.5	17
1773	Individual-Based Modeling of Spatial Dynamics of Chemotactic Microbial Populations. <i>ACS Synthetic Biology</i> , 2022, 11, 3714-3723.	1.9	3
1774	FEATURES OF THE INFLUENCE ON ALLOCHTHONOUS MICROORGANISMS OF SPECIFIC BIOLOGICALLY ACTIVE COMPONENTS OF PACKAGED MINERAL WATERS. <i>Bulletin of Problems Biology and Medicine</i> , 2022, 1, 345.	0.0	0
1775	Analysis of diesel hydrocarbon decomposition using efficient indigenous bacterial isolate: Bacterial growth and biodegradation kinetics. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 3074-3082.	1.2	1
1776	Extracellular DNAses Facilitate Antagonism and Coexistence in Bacterial Competitor-Sensing Interference Competition. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	2
1778	Extracellular Vesicles Contribute to Mixed-Fungal Species Competition during Biofilm Initiation. <i>MBio</i> , 2022, 13, .	1.8	3
1779	Dysbiosis of Gut Microbiota from the Perspective of the Gut-Brain Axis: Role in the Provocation of Neurological Disorders. <i>Metabolites</i> , 2022, 12, 1064.	1.3	21
1780	Antibiogram of Microorganisms Isolated from Fresh and Frozen Semen of Crossbred Frieswal Bulls. <i>Cryo-Letters</i> , 2022, 43, 322-327.	0.1	0
1781	Escherichia coli Biofilm Formation, Motion and Protein Patterns on Hyaluronic Acid and Polydimethylsiloxane Depend on Surface Stiffness. <i>Journal of Functional Biomaterials</i> , 2022, 13, 237.	1.8	0
1782	Seasonal characterization of the prokaryotic microbiota of full-scale anaerobic UASB reactors treating domestic sewage in southern Brazil. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 69-87.	1.7	5
1783	Surface Dependent Inhibition of Mycobacterium abscessus by Diverse Pseudomonas aeruginosa Strains. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	4
1784	Efflux-linked accelerated evolution of antibiotic resistance at a population edge. <i>Molecular Cell</i> , 2022, 82, 4368-4385.e6.	4.5	9
1785	Postharvest decontamination of fresh black truffle (<i>Tuber melanosporum</i>): Effects on microbial population and organoleptic qualities. <i>Postharvest Biology and Technology</i> , 2023, 197, 112191.	2.9	1

#	ARTICLE	IF	CITATIONS
1786	Standardized multi-omics of Earth's microbiomes reveals microbial and metabolite diversity. <i>Nature Microbiology</i> , 2022, 7, 2128-2150.	5.9	48
1787	Dietary fiber chemical structure determined gut microbiota dynamics. , 2022, 1, .		7
1788	A Disturbed Siderophore Transport Inhibits Myxobacterial Predation. <i>Cells</i> , 2022, 11, 3718.	1.8	1
1789	Tracking the phage trends: A comprehensive review of applications in therapy and food production. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
1790	Exploiting Conserved Quorum Sensing Signals in <i>Streptococcus mutans</i> and <i>Streptococcus pneumoniae</i> . <i>Microorganisms</i> , 2022, 10, 2386.	1.6	3
1791	Exploring the Interspecific Interactions and the Metabolome of the Soil Isolate <i>Hylemonella gracilis</i> . <i>MSystems</i> , 0, , .	1.7	0
1793	Spatial scales of competition and a growth-motility trade-off interact to determine bacterial coexistence. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	1
1795	Epidemic processes on self-propelled particles: Continuum and agent-based modeling. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
1796	Biotic Interactions in Soil are Underestimated Drivers of Microbial Carbon Use Efficiency. <i>Current Microbiology</i> , 2023, 80, .	1.0	7
1797	Fungal hyphae regulate bacterial diversity and plasmid-mediated functional novelty during range expansion. <i>Current Biology</i> , 2022, 32, 5285-5294.e4.	1.8	9
1798	Multispecies biofilm architecture determines bacterial exposure to phages. <i>PLoS Biology</i> , 2022, 20, e3001913.	2.6	17
1799	How changing environments alter the microbial composition and ecological response in marine biofilms: a mini review. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2023, 10, 95-106.	0.2	3
1801	Biogeographic Patterns and Community Assembly Processes of Bacterioplankton and Potential Pathogens in Subtropical Estuaries in China. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	1
1804	Post-dispersal astrobiological events: modelling macroevolutionary dynamics for lithopanspermia. <i>Extremophiles</i> , 2023, 27, .	0.9	1
1805	Bacteriocin Production Correlates with Epidemiological Prevalence of Phylotype I <i>Sequevar 18 Ralstonia pseudosolanacearum</i> in Madagascar. <i>Applied and Environmental Microbiology</i> , 2023, 89, .	1.4	1
1806	Compost tea as biofungicides to suppress <i>Sclerotium rolfsii</i> on soybean (<i>Glycine max</i> L. Merr.). <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
1807	Conjugative RP4 Plasmid-Mediated Transfer of Antibiotic Resistance Genes to Commensal and Multidrug-Resistant Enteric Bacteria In Vitro. <i>Microorganisms</i> , 2023, 11, 193.	1.6	2
1808	Exo-polysaccharide producing bacteria can induce maize plant growth and soil health under saline conditions. <i>Biotechnology and Genetic Engineering Reviews</i> , 0, , 1-20.	2.4	6

#	ARTICLE	IF	CITATIONS
1809	Mechanism for Utilization of the Populus-Derived Metabolite Salicin by a Pseudomonas-Rahnella Co-Culture. <i>Metabolites</i> , 2023, 13, 140.	1.3	2
1810	Alterations of oral microbiota and impact on the gut microbiome in type 1 diabetes mellitus revealed by integrated multi-omic analyses. <i>Microbiome</i> , 2022, 10, .	4.9	16
1811	Citizen Contribution for Searching for Alternative Antimicrobial Activity Substances in Soil. <i>Antibiotics</i> , 2023, 12, 57.	1.5	3
1812	The effect of dietary zinc and zinc physiological status on the composition of the gut microbiome <i>in vivo</i> . <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-20.	5.4	7
1813	Quorum sensing relationship analysis of microbial symbionts. , 2023, , 831-845.		0
1814	Invert emulsions alleviate biotic interactions in bacterial mixed culture. <i>Microbial Cell Factories</i> , 2023, 22, .	1.9	2
1815	Wetting dynamics by mixtures of fast and slow self-propelled particles. <i>Physical Review E</i> , 2023, 107, .	0.8	3
1816	Formation of necromass-derived soil organic carbon determined by microbial death pathways. <i>Nature Geoscience</i> , 2023, 16, 115-122.	5.4	36
1817	Marine biofilms: Bacterial diversity and dynamics. , 2023, , 3-21.		1
1818	Microbial biofilms: Unravel their potential for agricultural applications under agro-ecosystem. , 2023, , 59-70.		1
1820	Recent advances in biological approaches towards anode biofilm engineering for improvement of extracellular electron transfer in microbial fuel cells. <i>Environmental Engineering Research</i> , 2023, 28, 220666-0.	1.5	23
1821	On the strongly competitive case in a fully parabolic two-species chemotaxis system with Lotka-Volterra competitive kinetics. <i>Journal of Differential Equations</i> , 2023, 354, 90-132.	1.1	4
1822	Phytohormonal Role of Microorganisms Involved in Bioinoculants. <i>Microorganisms for Sustainability</i> , 2023, , 75-107.	0.4	0
1823	Genome-resolved metagenomics revealed metal-resistance, geochemical cycles in a Himalayan hot spring. <i>Applied Microbiology and Biotechnology</i> , 2023, 107, 3273-3289.	1.7	1
1824	Synergistic interactions in multispecies biofilm combinations of bacterial isolates recovered from diverse food processing industries. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	7
1825	Unveiling the duality of <i>Pantoea dispersa</i> : A mini review. <i>Science of the Total Environment</i> , 2023, 873, 162320.	3.9	3
1826	The contribution shift of ammonia-oxidizing archaea and bacteria to ammonification under Ag-NPs/SWCNTs/PS-NPs stressors in constructed wetlands. <i>Chemical Engineering Journal</i> , 2023, 463, 142207.	6.6	0
1827	Production of microalgae biomass in a two-stage continuous bioreactor: Control of microalgae-bacteria competition by spatial uncoupling of nitrogen and organic carbon feeding. <i>Chemical Engineering Science</i> , 2023, 272, 118604.	1.9	1

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1828	In vitro study to assess modulation of Candida biofilm by Escherichia coli from vaginal strains. <i>Biofilm</i> , 2023, 5, 100116.	1.5	1
1829	Celebrating 50 years of microbial granulation technologies: From canonical wastewater management to bio-product recovery. <i>Science of the Total Environment</i> , 2023, 872, 162213.	3.9	5
1830	Moso bamboo invasion changes the assembly process and interactive relationship of soil microbial communities in a subtropical broadleaf forest. <i>Forest Ecology and Management</i> , 2023, 536, 120901.	1.4	4
1831	Anti-virulence compounds against <i>Staphylococcus aureus</i> associated with bovine mastitis: A new therapeutic option?. <i>Microbiological Research</i> , 2023, 271, 127345.	2.5	5
1832	Use of Ecological Theory to Understand the Efficacy and Mechanisms of Multistrain Biological Control. <i>Phytopathology</i> , 2023, 113, 381-389.	1.1	0
1833	A coevolution experiment between <i>Flavobacterium johnsoniae</i> and <i>Burkholderia thailandensis</i> reveals parallel mutations that reduce antibiotic susceptibility. <i>Microbiology (United Kingdom)</i> , 2023, 169, .	0.7	1
1834	Rhizosphere phage communities drive soil suppressiveness to bacterial wilt disease. <i>Microbiome</i> , 2023, 11, .	4.9	15
1835	Inulin impacts tumorigenesis promotion by colibactin-producing <i>Escherichia coli</i> in <i>ApcMin/+</i> mice. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
1836	Breakdown of clonal cooperative architecture in multispecies biofilms and the spatial ecology of predation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	9
1838	Application of environmental-safe fermentation with <i>Saccharomyces cerevisiae</i> for increasing the cinnamon biological activities. <i>Bioresources and Bioprocessing</i> , 2023, 10, .	2.0	5
1839	Diverse secondary metabolites are expressed in particle-associated and free-living microorganisms of the permanently anoxic Cariaco Basin. <i>Nature Communications</i> , 2023, 14, .	5.8	10
1840	Glycogen-Degrading Activities of Catalytic Domains of α -Amylase and α -Amylase-Pullulanase Enzymes Conserved in <i>Gardnerella</i> spp. from the Vaginal Microbiome. <i>Journal of Bacteriology</i> , 2023, 205, .	1.0	4
1841	Prokaryotic community interchange between distinct microhabitats causes community pressure on anammox biofilm development. <i>Water Research</i> , 2023, 233, 119726.	5.3	11
1842	Community diversity is associated with intra-species genetic diversity and gene loss in the human gut microbiome. <i>ELife</i> , 0, 12, .	2.8	9
1844	Recent Advances on Peptide-Based Biosensors and Electronic Noses for Foodborne Pathogen Detection. <i>Biosensors</i> , 2023, 13, 258.	2.3	9
1847	Stochasticity causes high β -diversity and functional divergence of bacterial assemblages in closed systems. <i>Ecology</i> , 2023, 104, .	1.5	5
1850	Interactions between Culturable Bacteria Are Predicted by Individual Species' Growth. <i>MSystems</i> , 2023, 8, .	1.7	6
1851	Deciphering the microbial community structures and functions of wastewater treatment at high-altitude area. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	1

#	ARTICLE	IF	CITATIONS
1852	Nutrients strengthen density dependence of per-capita growth and mortality rates in the soil bacterial community. <i>Oecologia</i> , 2023, 201, 771-782.	0.9	0
1853	Current Scenario on Conventional and Modern Approaches Towards Eco-friendly Electronic Waste Management. , 2023, , 1-44.		0
1855	Evidence for a Causal Role for <i>Escherichia coli</i> Strains Identified as Adherent-Invasive (AIEC) in Intestinal Inflammation. <i>MSphere</i> , 2023, 8, .	1.3	5
1856	Biofilm ecology associated with dental caries: understanding of microbial interactions in oral communities leads to development of therapeutic strategies targeting cariogenic biofilms. <i>Advances in Applied Microbiology</i> , 2023, , 27-75.	1.3	3
1857	High-Throughput Gel Microbeads as Incubators for Bacterial Competition Study. <i>Micromachines</i> , 2023, 14, 645.	1.4	2
1858	Bacterial diversity and co-occurrence patterns differ across a worldwide spatial distribution of habitats in glacier ecosystems. <i>Functional Ecology</i> , 2023, 37, 1520-1535.	1.7	2
1859	<i>Vibrio cholerae</i> Alkalizes Its Environment via Citrate Metabolism to Inhibit Enteric Growth <i>In Vitro</i> . <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	0
1860	The reciprocal changes in dominant species with complete metabolic functions explain the decoupling phenomenon of microbial taxonomic and functional composition in a grassland. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	1
1861	In Vitro Bacterial Competition of <i>Staphylococcus aureus</i> , <i>Streptococcus agalactiae</i> , and <i>Escherichia coli</i> against Coagulase-Negative <i>Staphylococci</i> from Bovine Mastitis Milk. <i>Antibiotics</i> , 2023, 12, 600.	1.5	0
1862	Effects of Lactic Acid Bacteria Reducing the Content of Harmful Fungi and Mycotoxins on the Quality of Mixed Fermented Feed. <i>Toxins</i> , 2023, 15, 226.	1.5	4
1863	Indirect Enrichment of Desirable, but Less Fit Phenotypes, from a Synthetic Microbial Community Using Microdroplet Confinement. <i>ACS Synthetic Biology</i> , 2023, 12, 1239-1251.	1.9	1
1865	<i>Escherichia coli</i> infection indicates favorable outcomes in patients with infected pancreatic necrosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	0
1866	Interspecies interaction reduces selection for antibiotic resistance in <i>Escherichia coli</i> . <i>Communications Biology</i> , 2023, 6, .	2.0	2
1867	Modeling Antibiotic Concentrations in the Vicinity of Antibiotic-Producing Bacteria at the Micron Scale. <i>Applied and Environmental Microbiology</i> , 0, , .	1.4	1
1868	Antibiofilm activity from endophyte bacteria, <i>Vibrio cholerae</i> strains, and actinomycetes isolates in liquid and solid culture. <i>BMC Microbiology</i> , 2023, 23, .	1.3	1
1869	Complete genome sequencing of <i>Bacillus subtilis</i> (CWTS 5), a siderophore-producing bacterium triggers antagonistic potential against <i>Ralstonia solanacearum</i> . <i>Journal of Applied Microbiology</i> , 2023, 134, .	1.4	4
1870	No evidence for a common blood microbiome based on a population study of 9,770 healthy humans. <i>Nature Microbiology</i> , 2023, 8, 973-985.	5.9	18
1871	Inter- and intraspecific phytochemical variation correlate with epiphytic flower and leaf bacterial communities. <i>Environmental Microbiology</i> , 2023, 25, 1624-1643.	1.8	3

#	ARTICLE	IF	CITATIONS
1872	The Phenomenon of Antibiotic Resistance in the Polar Regions: An Overview of the Global Problem. <i>Infection and Drug Resistance</i> , 0, Volume 16, 1979-1995.	1.1	3
1873	Subclinical doses of dietary fumonisins and deoxynivalenol cause cecal microbiota dysbiosis in broiler chickens challenged with <i>Clostridium perfringens</i> . <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	1
1874	Nisin S, a Novel Nisin Variant Produced by <i>Ligilactobacillus salivarius</i> P1CEA3. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6813.	1.8	7
1876	Colonization and development of the gut microbiome in calves. <i>Journal of Animal Science and Biotechnology</i> , 2023, 14, .	2.1	8
1877	The cAMP receptor protein (CRP) enhances the competitive nature of <i>Salmonella Typhimurium</i> . <i>Archives of Microbiology</i> , 2023, 205, .	1.0	2
1878	Frankenbacteriosis targeting interactions between pathogen and symbiont to control infection in the tick vector. <i>IScience</i> , 2023, 26, 106697.	1.9	7
1879	Comparing the succession of microbial communities throughout development in field and laboratory nests of the ambrosia beetle <i>Xyleborinus saxesenii</i> . <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
1880	Effects of biochar addition on aeolian soil microbial community assembly and structure. <i>Applied Microbiology and Biotechnology</i> , 0, , .	1.7	0
1881	Bio-based agricultural products: a sustainable alternative to agrochemicals for promoting a circular economy. , 2023, 1, 746-762.		4
1904	CRISPR-Cas-Based Antimicrobials: Design, Challenges, and Bacterial Mechanisms of Resistance. <i>ACS Infectious Diseases</i> , 2023, 9, 1283-1302.	1.8	7
1925	Exploiting Bacterial Genera as Biocontrol Agents: Mechanisms, Interactions and Applications in Sustainable Agriculture. <i>Journal of Plant Biology</i> , 2023, 66, 485-498.	0.9	4
1931	Environmental insults and compensative responses: when microbiome meets cancer. <i>Discover Oncology</i> , 2023, 14, .	0.8	1
1936	Microbial volatile compounds in plant health. , 2023, , 221-232.		0
1958	Transitivity and intransitivity in soil bacterial networks. <i>ISME Journal</i> , 2023, 17, 2135-2139.	4.4	0
1973	Microbial Diversity and Its Relevance to Animal Health. <i>Livestock Diseases and Management</i> , 2023, , 193-201.	0.5	0
1974	Lactic Acid Bacteria as a Source of Functional Ingredients. , 2023, , 153-172.		0
1997	Metabolic exchanges are ubiquitous in natural microbial communities. <i>Nature Microbiology</i> , 2023, 8, 2244-2252.	5.9	3
2012	Investigating the Inhibitory Effect of Lactic Acid on Biofilm Production by Raw Chicken Meat <i>Campylobacter</i> spp. Isolates in Pure and Mixed Cultures. , 0, , .		0

#	ARTICLE	IF	CITATIONS
2019	Advances in Microbe-Driven Ecological Restoration on Bauxite Residue Disposal Areas. Reviews of Environmental Contamination and Toxicology, 2024, 262, .	0.7	1
2022	Preparation, Antibacterial and Antiviral Activity Measurements and Detection Methods. ACS Symposium Series, 0, , 33-64.	0.5	0
2024	Investigating the Effect of Fermented Food on the Nutrient Content of Black Soldier Fly Larvae. , 2023, , 470-478.		0
2044	Specialized microbial metabolites: Their origin, functions, and industrial applications. , 2024, , 449-468.		0
2047	Metaomics approaches to unravel the functioning of multispecies microbial communities. , 2024, , 395-416.		0
2048	Neurotoxicity induced by the microbial metabolite Î²-methylamino-L-alanine: pathways and mechanisms. , 2024, , 747-778.		0
2058	Revisiting the Multifaceted Roles of Bacteriocins. Microbial Ecology, 2024, 87, .	1.4	0
2064	Factors Selecting for Polyphosphate- and Glycogen-Accumulating Organisms in Granular Sludge Sequencing Batch Reactors. Springer Theses, 2024, , 397-424.	0.0	0
2070	Plant growthâ€promoting rhizobacteria: their potential as biological control agents in sustainable agriculture. , 2024, , 145-159.		0
2071	Mixed Culture Cultivation in Microbial Bioprocesses. Advances in Biochemical Engineering/Biotechnology, 2024, , .	0.6	0
2074	Green Nanomaterials Zinc Oxide and Chitosan for Antimicrobial Activity Against Oral Pathogens. , 2024, , 74-129.		0
2077	Spectral analysis and sorting of microbial organisms using a spectral sorter. Methods in Cell Biology, 2024, , .	0.5	0
2078	Natural Product-Based Anti-Viral Agents Against RNA Viruses: An Important Strategy for Pandemic Preparedness. , 2024, , 411-440.		0
2080	Isolation and Enumeration of Mycophagous Protist. Springer Protocols, 2024, , 81-85.	0.1	0