Nico Boon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5496062/publications.pdf

Version: 2024-02-01

		1370	4223
511	40,536	108	174
papers	citations	h-index	g-index

529	529	529	33804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cupriavidus metallidurans NA4 actively forms polyhydroxybutyrate-associated uranium-phosphate precipitates. Journal of Hazardous Materials, 2022, 421, 126737.	6.5	11
2	Differences in chlorhexidine mouthrinses formulations influence the quantitative and qualitative changes in inâ€vitro oral biofilms. Journal of Periodontal Research, 2022, 57, 52-62.	1.4	7
3	Molybdate effectively controls sulphide production in a shrimp pond model. Environmental Research, 2022, 203, 111797.	3.7	4
4	Co-cultivation enhanced microbial protein production based on autotrophic nitrogen-fixing hydrogen-oxidizing bacteria. Chemical Engineering Journal, 2022, 429, 132535.	6.6	16
5	Interspecies Interactions of the 2,6-Dichlorobenzamide Degrading Aminobacter 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
6	Examining the Potential of Enzyme-Based Detergents to Remove Biofouling from Limestone Heritage. Coatings, 2022, 12, 375.	1.2	0
7	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup. Inflammation, 2022, 45, 1600-1611.	1.7	3
8	Molecular Mechanisms Underlying Bacterial Uranium Resistance. Frontiers in Microbiology, 2022, 13, 822197.	1.5	7
9	The effects of cyanobacterial biofilms on water transport and retention of natural building stones. Earth Surface Processes and Landforms, 2022, 47, 1921-1936.	1.2	5
10	Preâ€incubation conditions determine the fermentation pattern and microbial community structure in fermenters at mild hydrostatic pressure. Biotechnology and Bioengineering, 2022, 119, 1792-1807.	1.7	2
11	MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants. Nature Communications, 2022, 13, 1908.	5.8	114
12	Vertical Farming: The Only Way Is Up?. Agronomy, 2022, 12, 2.	1.3	56
13	Combined Hydroâ€“Solvoâ€“Bioleaching Approach toward the Valorization of a Sulfidic Copper Mine Tailing. Industrial & Engineering Chemistry Research, 2022, 61, 684-693.	1.8	1
14	Selective leaching of copper and zinc from primary ores and secondary mineral residues using biogenic ammonia. Journal of Hazardous Materials, 2021, 403, 123842.	6.5	28
15	Rearing water microbiomes in white leg shrimp (<scp>Litopenaeus vannamei</scp>) larviculture assemble stochastically and are influenced by the microbiomes of live feed products. Environmental Microbiology, 2021, 23, 281-298.	1.8	17
16	Enrichment of Hydrogen-Oxidizing Bacteria from High-Temperature and High-Salinity Environments. Applied and Environmental Microbiology, 2021, 87, .	1.4	5
17	Cytometric fingerprints of gut microbiota predict Crohnâ€™s disease state. ISME Journal, 2021, 15, 354-358.	4.4	19
18	Potential prebiotic substrates modulate composition, metabolism, virulence and inflammatory potential of an in vitro multi-species oral biofilm. Journal of Oral Microbiology, 2021, 13, 1910462.	1.2	7

#	Article	IF	Citations
19	Soil microbial community structure and functionality changes in response to longâ€term metal and radionuclide pollution. Environmental Microbiology, 2021, 23, 1670-1683.	1.8	36
20	A Viability Quantitative PCR Dilemma: Are Longer Amplicons Better?. Applied and Environmental Microbiology, 2021, 87, e0265320.	1.4	18
21	Network Analysis Based on Unique Spectral Features Enables an Efficient Selection of Genomically Diverse Operational Isolation Units. Microorganisms, 2021, 9, 416.	1.6	4
22	PhenoGMM: Gaussian Mixture Modeling of Cytometry Data Quantifies Changes in Microbial Community Structure. MSphere, 2021, 6, .	1.3	21
23	Transfer of Antibiotic Resistance Plasmid from Commensal E. coli towards Human Intestinal Microbiota in the M-SHIME: Effect of E. coli dosis, Human Individual and Antibiotic Use. Life, 2021, 11, 192.	1.1	4
24	Evaluating the intrinsic capacity of oral bacteria to produce hydrogen peroxide (H2O2) in liquid cultures: Interference by bacterial growth media. Journal of Microbiological Methods, 2021, 182, 106170.	0.7	4
25	Selective metal extraction by biologically produced siderophores during bioleaching from low-grade primary and secondary mineral resources. Minerals Engineering, 2021, 163, 106774.	1.8	14
26	Bioleaching of metals from secondary materials using glycolipid biosurfactants. Minerals Engineering, 2021, 163, 106665.	1.8	14
27	Safeguarding the microbial water quality from source to tap. Npj Clean Water, 2021, 4, .	3.1	25
28	In vitro and in vivo digestion of red cured cooked meat: oxidation, intestinal microbiota and fecal metabolites. Food Research International, 2021, 142, 110203.	2.9	16
29	Low microbial biomass within the reproductive tract of mid-lactation dairy cows: A study approach. Journal of Dairy Science, 2021, 104, 6159-6174.	1.4	6
30	Viability determination of Bacillus sphaericus after encapsulation in hydrogel for self-healing concrete via microcalorimetry and in situ oxygen concentration measurements. Cement and Concrete Composites, 2021, 119, 104006.	4.6	32
31	Genomic Aromatic Compound Degradation Potential of Novel Paraburkholderia Species: Paraburkholderia domus sp. nov., Paraburkholderia haematera sp. nov. and Paraburkholderia nemoris sp. nov.. International Journal of Molecular Sciences, 2021, 22, 7003.	1.8	22
32	Root-Associated Bacterial Community Shifts in Hydroponic Lettuce Cultured with Urine-Derived Fertilizer. Microorganisms, 2021, 9, 1326.	1.6	8
33	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. Food Research International, 2021, 145, 110430.	2.9	12
34	Comparison of the modulatory effects of three structurally similar potential prebiotic substrates on an in vitro multi-species oral biofilm. Scientific Reports, 2021, 11, 15033.	1.6	5
35	Citrate-Mediated Hydrometallurgical Lead Extraction and Integrated Electrochemical Recovery from Zinc Leaching Residue. ACS Sustainable Chemistry and Engineering, 2021, 9, 9282-9288.	3.2	7
36	Treatment with nano-silica and bacteria to restore the reduced bond strength between concrete and repair mortar caused by aggressive removal techniques. Cement and Concrete Composites, 2021, 120, 104064.	4.6	11

#	Article	IF	Citations
37	From Biogas and Hydrogen to Microbial Protein Through Co-Cultivation of Methane and Hydrogen Oxidizing Bacteria. Frontiers in Bioengineering and Biotechnology, 2021, 9, 733753.	2.0	17
38	Predicting the Presence and Abundance of Bacterial Taxa in Environmental Communities through Flow Cytometric Fingerprinting. MSystems, 2021, 6, e0055121.	1.7	9
39	Triangulation of microbial fingerprinting in anaerobic digestion reveals consistent fingerprinting profiles. Water Research, 2021, 202, 117422.	5.3	12
40	Online microbial monitoring of drinking water: How do different techniques respond to contaminations in practice?. Water Research, 2021, 202, 117387.	5.3	17
41	Effective orthophosphate removal from surface water using hydrogen-oxidizing bacteria: Moving towards applicability. Science of the Total Environment, 2021, 800, 149648.	3.9	5
42	The capabilities of bacteria and archaea to alter natural building stones â€“ A review. International Biodeterioration and Biodegradation, 2021, 165, 105329.	1.9	14
43	A combined culture-independent and simulation reactor approach to assess the microbial community of an operational denitrifying bioreactor treating As-bearing metallurgical wastewater. Bioresource Technology Reports, 2021, 16, 100870.	1.5	1
44	Gut Microbiota of Migrating Wild Rabbit Fish (Siganus guttatus) Larvae Have Low Spatial and Temporal Variability. Microbial Ecology, 2020, 79, 539-551.	1.4	25
45	Adaptation and characterization of thermophilic anammox in bioreactors. Water Research, 2020, 172, 115462.	5.3	21
46	Discriminating Bacterial Phenotypes at the Population and Singleâ€Cell Level: A Comparison of Flow Cytometry and Raman Spectroscopy Fingerprinting. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 713-726.	1.1	16
47	Online microbial fingerprinting for quality management of drinking water: Full-scale event detection. Water Research, 2020, 170, 115353.	5.3	44
48	Red and processed meat consumption within two different dietary patterns: Effect on the colon microbial community and volatile metabolites in pigs. Food Research International, 2020, 129, 108793.	2.9	7
49	Antibiotic affects the gut microbiota composition and expression of genes related to lipid metabolism and myofiber types in skeletal muscle of piglets. BMC Veterinary Research, 2020, 16, 392.	0.7	14
50	Conjoint bioleaching and zinc recovery from an iron oxide mineral residue by a continuous electrodialysis system. Hydrometallurgy, 2020, 195, 105409.	1.8	10
51	Genomic and enzymatic evidence of acetogenesis by anaerobic methanotrophic archaea. Nature Communications, 2020, 11, 3941.	5.8	45
52	Production of isobutyric acid from methanol by Clostridium luticellarii. Green Chemistry, 2020, 22, 8389-8402.	4.6	20
53	Raman Spectroscopy-Based Measurements of Single-Cell Phenotypic Diversity in Microbial Populations. MSphere, 2020, 5, .	1.3	17
54	Microbe-Plant Growing Media Interactions Modulate the Effectiveness of Bacterial Amendments on Lettuce Performance Inside a Plant Factory with Artificial Lighting. Agronomy, 2020, 10, 1456.	1.3	22

#	Article	IF	Citations
55	Surface Consolidation of Maastricht Limestone by Means of Bacillus Sphaericus under Varying Treatment Conditions. Journal of Materials in Civil Engineering, 2020, 32, 04020342.	1.3	7
56	In-Depth Observation on the Microbial and Fungal Community Structure of Four Contrasting Tomato Cultivation Systems in Soil Based and Soilless Culture Systems. Frontiers in Plant Science, 2020, 11, 520834.	1.7	9
57	Microbial enrichment, functional characterization and isolation from a cold seep yield piezotolerant obligate hydrocarbon degraders. FEMS Microbiology Ecology, 2020, 96, .	1.3	5
58	Differential colonization of microbial communities inhabiting Lede stone in the urban and rural environment. Science of the Total Environment, 2020, 733, 139339.	3.9	17
59	Microbial Protein out of Thin Air: Fixation of Nitrogen Gas by an Autotrophic Hydrogen-Oxidizing Bacterial Enrichment. Environmental Science & Technology, 2020, 54, 3609-3617.	4.6	35
60	Oral biofilms exposure to chlorhexidine results in altered microbial composition and metabolic profile. Npj Biofilms and Microbiomes, 2020, 6, 13.	2.9	50
61	Mainstream partial nitritation/anammox with integrated fixed-film activated sludge: Combined aeration and floc retention time control strategies limit nitrate production. Bioresource Technology, 2020, 314, 123711.	4.8	31
62	Pioneering on single-sludge nitrification/denitrification at 50ÂÂ°C. Chemosphere, 2020, 252, 126527.	4.2	3
63	Microbial activity in peat-reduced plant growing media: Identifying influential growing medium constituents and physicochemical properties using fractional factorial design of experiments. Journal of Cleaner Production, 2020, 256, 120323.	4.6	28
64	Nitrate amendment to control sulphide accumulation in shrimp ponds. Aquaculture, 2020, 521, 735010.	1.7	9
65	Stochasticity in microbiology: managing unpredictability to reach the Sustainable Development Goals. Microbial Biotechnology, 2020, 13, 829-843.	2.0	26
66	Hydrogen oxidizing bacteria are capable of removing orthophosphate to ultra-low concentrations in a fed batch reactor configuration. Bioresource Technology, 2020, 311, 123494.	4.8	9
67	Achromobacter veterisilvae sp. nov., from a mixed hydrogen-oxidizing bacteria enrichment reactor for microbial protein production. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 530-536.	0.8	21
68	Effect of Applying Struvite and Organic N as Recovered Fertilizers on the Rhizosphere Dynamics and Cultivation of Lupine (Lupinus angustifolius). Frontiers in Plant Science, 2020, 11, 572741.	1.7	15
69	Flow cytometric fingerprinting to assess the microbial community response to changing water quality and additives. Environmental Science: Water Research and Technology, 2019, 5, 1672-1682.	1.2	7
70	Organic Matter and Microbial Cell Density Behavior during Ion Exchange Demineralization of Surface Water for Boiler Feedwater. Industrial & Engineering Chemistry Research, 2019, 58, 14368-14379.	1.8	8
71	Tomato plants rather than fertilizers drive microbial community structure in horticultural growing media. Scientific Reports, 2019, 9, 9561.	1.6	29
72	Reactivation of Microbial Strains and Synthetic Communities After a Spaceflight to the International Space Station: Corroborating the Feasibility of Essential Conversions in the MELiSSA Loop. Astrobiology, 2019, 19, 1167-1176.	1.5	9

#	Article	IF	Citations
73	Complementing urea hydrolysis and nitrate reduction for improved microbially induced calcium carbonate precipitation. Applied Microbiology and Biotechnology, 2019, 103, 8825-8838.	1.7	24
74	Media Optimization, Strain Compatibility, and Low-Shear Modeled Microgravity Exposure of Synthetic Microbial Communities for Urine Nitrification in Regenerative Life-Support Systems. Astrobiology, 2019, 19, 1353-1362.	1.5	9
75	Enriched hydrogen-oxidizing microbiomes show a high diversity of co-existing hydrogen-oxidizing bacteria. Applied Microbiology and Biotechnology, 2019, 103, 8241-8253.	1.7	24
76	Commensal E. coli rapidly transfer antibiotic resistance genes to human intestinal microbiota in the Mucosal Simulator of the Human Intestinal Microbial Ecosystem (M-SHIME). International Journal of Food Microbiology, 2019, 311, 108357.	2.1	41
77	Urine nitrification with a synthetic microbial community. Systematic and Applied Microbiology, 2019, 42, 126021.	1.2	12
78	13C Incorporation as a Tool to Estimate Biomass Yields in Thermophilic and Mesophilic Nitrifying Communities. Frontiers in Microbiology, 2019, 10, 192.	1.5	5
79	Development of antiseptic adaptation and cross-adapatation in selected oral pathogens in vitro. Scientific Reports, 2019, 9, 8326.	1.6	48
80	Learning Singleâ€Cell Distances from Cytometry Data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 782-791.	1.1	4
81	Plant species identity and soil characteristics determine rhizosphere soil bacteria community composition in European temperate forests. FEMS Microbiology Ecology, 2019, 95, .	1.3	19
82	Determining stoichiometry and kinetics of two thermophilic nitrifying communities as a crucial step in the development of thermophilic nitrogen removal. Water Research, 2019, 156, 34-45.	5.3	8
83	Gene Expansion and Positive Selection as Bacterial Adaptations to Oligotrophic Conditions. MSphere, 2019, 4, .	1.3	28
84	Coculturing Bacteria Leads to Reduced Phenotypic Heterogeneities. Applied and Environmental Microbiology, 2019, 85, .	1.4	37
85	Combined Consumption of Beefâ€Based Cooked Mince and Sucrose Stimulates Oxidative Stress, Cardiac Hypertrophy, and Colonic Outgrowth of Desulfovibrionaceae in Rats. Molecular Nutrition and Food Research, 2019, 63, e1800962.	1.5	25
86	Reduced TCA cycle rates at high hydrostatic pressure hinder hydrocarbon degradation and obligate oil degraders in natural, deep-sea microbial communities. ISME Journal, 2019, 13, 1004-1018.	4.4	14
87	Randomized Lasso Links Microbial Taxa with Aquatic Functional Groups Inferred from Flow Cytometry. MSystems, 2019, 4, .	1.7	14
88	Characterization of spoilage markers in modified atmosphere packaged iceberg lettuce. International Journal of Food Microbiology, 2018, 279, 1-13.	2.1	29
89	The Urgent Need to Re-engineer Nitrogen-Efficient Food Production for the Planet. , 2018, , 35-69.		14
90	Oral prebiotics and the influence of environmental conditions in vitro. Journal of Periodontology, 2018, 89, 708-717.	1.7	35

#	Article	IF	Citations
91	Dysbiotic Biofilms Deregulate the Periodontal Inflammatory Response. Journal of Dental Research, 2018, 97, 547-555.	2.5	70
92	Isotope Fractionation in Biogas Allows Direct Microbial Community Stability Monitoring in Anaerobic Digestion. Environmental Science & Technology, 2018, 52, 6704-6713.	4.6	19
93	Initial evenness determines diversity and cell density dynamics in synthetic microbial ecosystems. Scientific Reports, 2018, 8, 340.	1.6	12
94	Plant and soil microbe responses to light, warming and nitrogen addition in a temperate forest. Functional Ecology, 2018, 32, 1293-1303.	1.7	38
95	Flow cytometric fingerprinting for microbial strain discrimination and physiological characterization. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 201-212.	1.1	43
96	Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. Applied Clay Science, 2018, 160, 206-216.	2.6	18
97	Pinpointing wastewater and process parameters controlling the AOB to NOB activity ratio in sewage treatment plants. Water Research, 2018, 138, 37-46.	5.3	34
98	Biofiltration of hexane, acetone and dimethyl sulphide using wood, compost and silicone foam. Journal of Chemical Technology and Biotechnology, 2018, 93, 2234-2243.	1.6	19
99	The Ability of Basalt to Leach Nutrients and Support Growth of Cupriavidus metallidurans CH34 Depends on Basalt Composition and Element Release. Geomicrobiology Journal, 2018, 35, 438-446.	1.0	5
100	Clinical concentrations of peroxidases cause dysbiosis in inÂvitro oral biofilms. Journal of Periodontal Research, 2018, 53, 457-466.	1.4	9
101	Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (Gadus morhua) stored under modified atmospheres. Food Microbiology, 2018, 70, 232-244.	2.1	90
102	Flow cytometric monitoring of bacterioplankton phenotypic diversity predicts high populationâ€specific feeding rates by invasive dreissenid mussels. Environmental Microbiology, 2018, 20, 521-534.	1.8	31
103	Microbial community dynamics reflect reactor stability during the anaerobic digestion of a very high strength and sulfateâ€rich vinasse. Journal of Chemical Technology and Biotechnology, 2018, 93, 975-984.	1.6	13
104	Characterization of Cefotaxime- and Ciprofloxacin-Resistant CommensalEscherichia coliOriginating from Belgian Farm Animals Indicates High Antibiotic Resistance Transfer Rates. Microbial Drug Resistance, 2018, 24, 707-717.	0.9	22
105	Drinking water bacterial communities exhibit specific and selective necrotrophic growth. Npj Clean Water, 2018, 1, .	3.1	17
106	Volume Fraction, Thickness, and Permeability of the Sealing Layer in Microbial Self-Healing Concrete Containing Biogranules. Frontiers in Built Environment, 2018, 4, .	1.2	20
107	Metabolic and Proteomic Responses to Salinity in Synthetic Nitrifying Communities of Nitrosomonas spp. and Nitrobacter spp.. Frontiers in Microbiology, 2018, 9, 2914.	1.5	14
108	Characterization of the bacterial communities on recent Icelandic volcanic deposits of different ages. BMC Microbiology, 2018, 18, 122.	1.3	15

#	Article	IF	Citations
109	Nitrite producing bacteria inhibit reinforcement bar corrosion in cementitious materials. Scientific Reports, 2018, 8, 14092.	1.6	27
110	Online flow cytometric monitoring of microbial water quality in a full-scale water treatment plant. Npj Clean Water, 2018, 1, .	3.1	48
111	Synergistic Exposure of Return-Sludge to Anaerobic Starvation, Sulfide, and Free Ammonia to Suppress Nitrite Oxidizing Bacteria. Environmental Science & Technology, 2018, 52, 8725-8732.	4.6	53
112	Photosynthetic oxygenation for urine nitrification. Water Science and Technology, 2018, 78, 183-194.	1.2	7
113	Label-free Raman characterization of bacteria calls for standardized procedures. Journal of Microbiological Methods, 2018, 151, 69-75.	0.7	38
114	Detection of microbial disturbances in a drinking water microbial community through continuous acquisition and advanced analysis of flow cytometry data. Water Research, 2018, 145, 73-82.	5.3	29
115	Individual-Based Modelling of Invasion in Bioaugmented Sand Filter Communities. Processes, 2018, 6, 2.	1.3	7
116	High-resolution mapping and modeling of anammox recovery from recurrent oxygen exposure. Water Research, 2018, 144, 522-531.	5.3	52
117	Taking the technical microbiome into the next decade. Environmental Microbiology, 2018, 20, 1991-2000.	1.8	16
118	A chitosan based pH-responsive hydrogel for encapsulation of bacteria for self-sealing concrete. Cement and Concrete Composites, 2018, 93, 309-322.	4.6	82
119	Temperature impact on sludge yield, settleability and kinetics of three heterotrophic conversions corroborates the prospect of thermophilic biological nitrogen removal. Bioresource Technology, 2018, 269, 104-112.	4.8	19
120	Decoupling Livestock from Land Use through Industrial Feed Production Pathways. Environmental Science & Technology, 2018, 52, 7351-7359.	4.6	124
121	Flow cytometry for immediate follow-up of drinking water networks after maintenance. Water Research, 2017, 111, 66-73.	5.3	36
122	Nutritional stimulation of commensal oral bacteria suppresses pathogens: the prebiotic concept. Journal of Clinical Periodontology, 2017, 44, 344-352.	2.3	51
123	Flow cytometric bacterial cell counts challenge conventional heterotrophic plate counts for routine microbiological drinking water monitoring. Water Research, 2017, 113, 191-206.	5.3	194
124	Contrasting dual (C, Cl) isotope fractionation offers potential to distinguish reductive chloroethene transformation from breakdown by permanganate. Science of the Total Environment, 2017, 596-597, 169-177.	3.9	16
125	Microbial carbonate precipitation for the improvement of quality of recycled aggregates. Journal of Cleaner Production, 2017, 156, 355-366.	4.6	165
126	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. Trends in Biotechnology, 2017, 35, 860-870.	4.9	158

#	Article	IF	Citations
127	Nitrogen cycling in Bioregenerative Life Support Systems: Challenges for waste refinery and food production processes. Progress in Aerospace Sciences, 2017, 91, 87-98.	6.3	65
128	Necrotrophic growth of periodontopathogens is a novel virulence factor in oral biofilms. Scientific Reports, 2017, 7, 1107.	1.6	21
129	Impact of air entraining admixtures on biogenic calcium carbonate precipitation and bacterial viability. Cement and Concrete Research, 2017, 98, 44-49.	4.6	64
130	Selfâ€healing capacity of deepâ€sea ecosystems affected by petroleum hydrocarbons. EMBO Reports, 2017, 18, 868-872.	2.0	14
131	Bacillus sphaericus LMG 22257 is physiologically suitable for self-healing concrete. Applied Microbiology and Biotechnology, 2017, 101, 5101-5114.	1.7	109
132	Microalgal bacterial flocs treating paper mill effluent: A sunlight-based approach for removing carbon, nitrogen, phosphorus, and calcium. New Biotechnology, 2017, 39, 1-10.	2.4	11
133	Microbial community redundancy in anaerobic digestion drives process recovery after salinity exposure. Water Research, 2017, 111, 109-117.	5.3	111
134	Effect of Operational Parameters in the Continuous Anaerobic Fermentation of Cheese Whey on Titers, Yields, Productivities, and Microbial Community Structures. ACS Sustainable Chemistry and Engineering, 2017, 5, 1400-1407.	3.2	55
135	Kinetic exploration of intracellular nitrate storage in marine microalgae. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1303-1311.	0.9	0
136	Butyrate-producing bacteria supplemented in vitro to Crohnâ€™s disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. Scientific Reports, 2017, 7, 11450.	1.6	324
137	Development of a reliable experimental set-up for Dover sole larvae Solea solea L. and exploring the possibility of implementing this housing system in a gnotobiotic model. Research in Veterinary Science, 2017, 115, 418-424.	0.9	8
138	Stripping flow cytometry: How many detectors do we need for bacterial identification?. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 1184-1191.	1.1	17
139	Ureolytic Activity and Its Regulation in Vibrio campbellii and Vibrio harveyi in Relation to Nitrogen Recovery from Human Urine. Environmental Science & Technology, 2017, 51, 13335-13343.	4.6	8
140	Efficient molasses fermentation under high salinity by inocula of marine and terrestrial origin. Biotechnology for Biofuels, 2017, 10, 23.	6.2	19
141	Absolute quantification of microbial taxon abundances. ISME Journal, 2017, 11, 584-587.	4.4	273
142	Impact of bio-palladium nanoparticles (bio-Pd NPs) on the activity and structure of a marine microbial community. Environmental Pollution, 2017, 220, 1068-1078.	3.7	25
143	Reconciliation between operational taxonomic units and species boundaries. FEMS Microbiology Ecology, 2017, 93, .	1.3	71
144	In vitro Increased Respiratory Activity of Selected Oral Bacteria May Explain Competitive and Collaborative Interactions in the Oral Microbiome. Frontiers in Cellular and Infection Microbiology, 2017, 7, 235.	1.8	9

#	Article	IF	Citations
145	The Impact of Space Flight on Survival and Interaction of Cupriavidus metallidurans CH34 with Basalt, a Volcanic Moon Analog Rock. Frontiers in Microbiology, 2017, 8, 671.	1.5	19
146	Laboratory-Scale Simulation and Real-Time Tracking of a Microbial Contamination Event and Subsequent Shock-Chlorination in Drinking Water. Frontiers in Microbiology, 2017, 8, 1900.	1.5	37
147	Biological Recovery of Platinum Complexes from Diluted Aqueous Streams by Axenic Cultures. PLoS ONE, 2017, 12, e0169093.	1.1	29
148	Flow Cytometric Single-Cell Identification of Populations in Synthetic Bacterial Communities. PLoS ONE, 2017, 12, e0169754.	1.1	31
149	Biotic Interactions in Microbial Communities as Modulators of Biogeochemical Processes: Methanotrophy as a Model System. Frontiers in Microbiology, 2016, 7, 1285.	1.5	95
150	Osmotic Stress Confers Enhanced Cell Integrity to Hydrostatic Pressure but Impairs Growth in Alcanivorax borkumensis SK2. Frontiers in Microbiology, 2016, 7, 729.	1.5	20
151	Challenging Oil Bioremediation at Deep-Sea Hydrostatic Pressure. Frontiers in Microbiology, 2016, 7, 1203.	1.5	33
152	Hydrocarbonoclastic Alcanivorax Isolates Exhibit Different Physiological and Expression Responses to n-dodecane. Frontiers in Microbiology, 2016, 7, 2056.	1.5	28
153	Growing media constituents determine the microbial nitrogen conversions in organic growing media for horticulture. Microbial Biotechnology, 2016, 9, 389-399.	2.0	42
154	Chronic cigarette smoke exposure induces microbial and inflammatory shifts and mucin changes in the murine gut. Environmental Microbiology, 2016, 18, 1352-1363.	1.8	149
155	Dysbiosis by neutralizing commensal mediated inhibition of pathobionts. Scientific Reports, 2016, 6, 38179.	1.6	35
156	Draft Genome Sequence of Aeromonas sp. Strain EERV15. Genome Announcements, 2016, 4, .	0.8	2
157	High-rate activated sludge communities have a distinctly different structure compared to low-rate sludge communities, and are less sensitive towards environmental and operational variables. Water Research, 2016, 100, 137-145.	5.3	62
158	The ratio of metabolically active versus total Mycolata populations triggers foaming in a membrane bioreactor. Water Research, 2016, 92, 208-217.	5.3	29
159	Enrichment of Methanosaetaceae on carbon felt and biochar during anaerobic digestion of a potassium-rich molasses stream. Applied Microbiology and Biotechnology, 2016, 100, 5177-5187.	1.7	30
160	A conceptual framework for invasion in microbial communities. ISME Journal, 2016, 10, 2773-2779.	4.4	100
161	Enhanced crack closure performance of microbial mortar through nitrate reduction. Cement and Concrete Composites, 2016, 70, 159-170.	4.6	138
162	Follow the N and P road: High-resolution nutrient flow analysis of the Flanders region as precursor for sustainable resource management. Resources, Conservation and Recycling, 2016, 115, 9-21.	5.3	59

#	Article	IF	Citations
163	Platinum recovery from industrial process streams by halophilic bacteria: Influence of salt species and platinum speciation. Water Research, 2016, 105, 436-443.	5.3	17
164	Microbial protein: future sustainable food supply route with low environmental footprint. Microbial Biotechnology, 2016, 9, 568-575.	2.0	227
165	Reevaluating multicolor flow cytometry to assess microbial viability. Applied Microbiology and Biotechnology, 2016, 100, 9037-9051.	1.7	51
166	Live Fast, Die Young: Optimizing Retention Times in High-Rate Contact Stabilization for Maximal Recovery of Organics from Wastewater. Environmental Science & Technology, 2016, 50, 9781-9790.	4.6	67
167	The full-scale anaerobic digestion microbiome is represented by specific marker populations. Water Research, 2016, 104, 101-110.	5.3	61
168	New Methyloceanibacter diversity from North Sea sediments includes methanotroph containing solely the soluble methane monooxygenase. Environmental Microbiology, 2016, 18, 4523-4536.	1.8	81
169	Microbial oil-degradation under mild hydrostatic pressure (10â€‰MPa): which pathways are impacted in piezosensitive hydrocarbonoclastic bacteria?. Scientific Reports, 2016, 6, 23526.	1.6	43
170	An impaired metabolic response to hydrostatic pressure explains Alcanivorax borkumensis recorded distribution in the deep marine water column. Scientific Reports, 2016, 6, 31316.	1.6	31
171	Mineral and organic growing media have distinct community structure, stability and functionality in soilless culture systems. Scientific Reports, 2016, 6, 18837.	1.6	72
172	Flow cytometric examination of bacterial growth in a local drinking water network. Water and Environment Journal, 2016, 30, 167-176.	1.0	14
173	Autotrophic nitrogen assimilation and carbon capture for microbial protein production by a novel enrichment of hydrogen-oxidizing bacteria. Water Research, 2016, 101, 137-146.	5.3	116
174	Measuring the biodiversity of microbial communities by flow cytometry. Methods in Ecology and Evolution, 2016, 7, 1376-1385.	2.2	161
175	Microalgal bacterial flocs originating from aquaculture wastewater treatment as diet ingredient forLitopenaeus vannamei (Boone). Aquaculture Research, 2016, 47, 1075-1089.	0.9	34
176	Germ-free sea bass Dicentrarchus labrax larval model: a valuable tool in the study of host-microbe interactions. Diseases of Aquatic Organisms, 2016, 117, 177-185.	0.5	17
177	Empowering a mesophilic inoculum for thermophilic nitrification: Growth mode and temperature pattern as critical proliferation factors for archaeal ammonia oxidizers. Water Research, 2016, 92, 94-103.	5.3	17
178	Nitrate reducing CaCO3 precipitating bacteria survive in mortar and inhibit steel corrosion. Cement and Concrete Research, 2016, 83, 19-30.	4.6	122
179	A robust nitrifying community in a bioreactor at 50 Â°C opens up the path for thermophilic nitrogen removal. ISME Journal, 2016, 10, 2293-2303.	4.4	36
180	Platinum Recovery from Synthetic Extreme Environments by Halophilic Bacteria. Environmental Science & Technology, 2016, 50, 2619-2626.	4.6	28

#	Article	IF	Citations
181	Antimicrobial effects of commensal oral species are regulated by environmental factors. Journal of Dentistry, 2016, 47, 23-33.	1.7	93
182	Vibrio lentus protects gnotobiotic sea bass (Dicentrarchus labrax L.) larvae against challenge with Vibrio harveyi. Veterinary Microbiology, 2016, 185, 41-48.	0.8	20
183	Application of microorganisms in concrete: a promising sustainable strategy to improve concrete durability. Applied Microbiology and Biotechnology, 2016, 100, 2993-3007.	1.7	146
184	Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine. Bioresource Technology, 2016, 211, 41-50.	4.8	52
185	The use of microalgae as a high-value organic slow-release fertilizer results in tomatoes with increased carotenoid and sugar levels. Journal of Applied Phycology, 2016, 28, 2367-2377.	1.5	199
186	First Draft Genome Sequence of the Acidovorax caeni sp. nov. Type Strain R-24608 (DSM 19327). Genome Announcements, 2015, 3, .	0.8	5
187	Characterization of the Bacterial Community Naturally Present on Commercially Grown Basil Leaves: Evaluation of Sample Preparation Prior to Culture-Independent Techniques. International Journal of Environmental Research and Public Health, 2015, 12, 10171-10197.	1.2	16
188	Biogenic concrete protection driven by the formate oxidation by Methylocystis parvus OBBP. Frontiers in Microbiology, 2015, 6, 786.	1.5	14
189	Application of modified-alginate encapsulated carbonate producing bacteria in concrete: a promising strategy for crack self-healing. Frontiers in Microbiology, 2015, 6, 1088.	1.5	144
190	Self-protected nitrate reducing culture for intrinsic repair of concrete cracks. Frontiers in Microbiology, 2015, 6, 1228.	1.5	75
191	Bacterial Exchange in Household Washing Machines. Frontiers in Microbiology, 2015, 6, 1381.	1.5	64
192	Biofiltration of methane from ruminants gas effluent using Autoclaved Aerated Concrete as the carrier material. Chemical Engineering Journal, 2015, 277, 318-323.	6.6	16
193	Biodegradation: Updating the Concepts of Control for Microbial Cleanup in Contaminated Aquifers. Environmental Science & Technology, 2015, 49, 7073-7081.	4.6	211
194	Microbially induced CaCO3 precipitation through denitrification: An optimization study in minimal nutrient environment. Biochemical Engineering Journal, 2015, 101, 108-118.	1.8	148
195	Draft Genome Sequence of Rhodococcus sp. Strain 311R. Genome Announcements, 2015, 3, .	0.8	5
196	Production of non-axenic ureolytic spores for self-healing concrete applications. Construction and Building Materials, 2015, 93, 1034-1041.	3.2	75
197	Interindividual differences in response to treatment with butyrate-producing Butyricicoccus pullicaecorum 25â€“3T studied in an in vitro gut model. FEMS Microbiology Ecology, 2015, 91, .	1.3	50
198	Low Temperature and Modified Atmosphere: Hurdles for Antibiotic Resistance Transfer?. Journal of Food Protection, 2015, 78, 2191-2199.	0.8	3

#	Article	IF	Citations
199	Assessment of catalytic dechlorination activity of suspended and immobilized bio-Pd NPs in different marine conditions. Applied Catalysis B: Environmental, 2015, 168-169, 62-67.	10.8	9
200	Toward energy-neutral wastewater treatment: A high-rate contact stabilization process to maximally recover sewage organics. Bioresource Technology, 2015, 179, 373-381.	4.8	130
201	<scp>G</scp>eobacter, <scp>A</scp>naeromyxobacter and <scp>A</scp>naerolineae populations are enriched on anodes of root exudateâ€driven microbial fuel cells in rice field soil. Environmental Microbiology Reports, 2015, 7, 489-497.	1.0	79
202	Co-digestion of molasses or kitchen waste with high-rate activated sludge results in a diverse microbial community with stable methane production. Journal of Environmental Management, 2015, 152, 75-82.	3.8	31
203	Ammonia and temperature determine potential clustering in the anaerobic digestion microbiome. Water Research, 2015, 75, 312-323.	5.3	276
204	Spatial heterogeneity in degradation characteristics and microbial community composition of pesticide biopurification systems. Journal of Applied Microbiology, 2015, 118, 368-378.	1.4	6
205	Editorial overview: Environmental biotechnology. Current Opinion in Biotechnology, 2015, 33, v-vii.	3.3	2
206	A laboratory-scale column study comparing organic micropollutant removal and microbial diversity for two soil types. Science of the Total Environment, 2015, 536, 632-638.	3.9	24
207	Screening of bacteria and concrete compatible protection materials. Construction and Building Materials, 2015, 88, 196-203.	3.2	176
208	Exploring methane-oxidizing communities for the co-metabolic degradation of organic micropollutants. Applied Microbiology and Biotechnology, 2015, 99, 3609-3618.	1.7	35
209	Methane biofiltration using autoclaved aerated concrete as the carrier material. Applied Microbiology and Biotechnology, 2015, 99, 7307-7320.	1.7	19
210	Inoculum selection influences the biochemical methane potential of agroâ€industrial substrates. Microbial Biotechnology, 2015, 8, 776-786.	2.0	81
211	Monophyletic group of unclassified Î³- Proteobacteria dominates in mixed culture biofilm of high-performing oxygen reducing biocathode. Bioelectrochemistry, 2015, 106, 167-176.	2.4	48
212	Bacterial Diversity in Bentonites, Engineered Barrier for Deep Geological Disposal of Radioactive Wastes. Microbial Ecology, 2015, 70, 922-935.	1.4	39
213	Inoculum selection is crucial to ensure operational stability in anaerobic digestion. Applied Microbiology and Biotechnology, 2015, 99, 189-199.	1.7	125
214	Nitric oxide preferentially inhibits nitrite oxidizing communities with high affinity for nitrite. Journal of Biotechnology, 2015, 193, 120-122.	1.9	24
215	Siberian sturgeon (Acipenser baerii) larvae fedArtemianauplii enriched with poly-Î²-hydroxybutyrate (PHB): effect on growth performance, body composition, digestive enzymes, gut microbial community, gut histology and stress tests. Aquaculture Research, 2015, 46, 801-812.	0.9	38
216	Biotechnologies for critical raw material recovery from primary and secondary sources: R&D priorities and future perspectives. New Biotechnology, 2015, 32, 121-127.	2.4	111

#	Article	IF	Citations
217	Effect of Bdellovibrio bacteriovorus HD100 on multispecies oral communities. Anaerobe, 2015, 35, 45-53.	1.0	27
218	Resource recovery from used water: The manufacturing abilities of hydrogen-oxidizing bacteria. Water Research, 2015, 68, 467-478.	5.3	92
219	Novel biocompatible nanocapsules for slow release of fragrances on the human skin. New Biotechnology, 2015, 32, 40-46.	2.4	31
220	Industrial Application of Biological Self-healing Concrete: Challenges and Economical Feasibility. Journal of Commercial Biotechnology, 2015, 21, .	0.2	89
221	Optimized Cryopreservation of Mixed Microbial Communities for Conserved Functionality and Diversity. PLoS ONE, 2014, 9, e99517.	1.1	74
222	Draft Genome Sequence of the Naphthalene Degrader Herbaspirillum sp. Strain RV1423. Genome Announcements, 2014, 2, .	0.8	8
223	Pathway of nitrous oxide consumption in isolated <scp>P</scp>seudomonas stutzeri strains under anoxic and oxic conditions. Environmental Microbiology, 2014, 16, 3143-3152.	1.8	32
224	Methanotrophs, methanogens and microbial community structure in livestock slurry surface crusts. Journal of Applied Microbiology, 2014, 117, 1066-1078.	1.4	16
225	Synthetic microbial ecosystems: an exciting tool to understand and apply microbial communities. Environmental Microbiology, 2014, 16, 1472-1481.	1.8	222
226	Primers for overlookednirK, qnorB,andnosZgenes of thermophilic Gram-positive denitrifiers. FEMS Microbiology Ecology, 2014, 89, 162-180.	1.3	22
227	Niche differentiation in nitrogen metabolism among methanotrophs within an operational taxonomic unit. BMC Microbiology, 2014, 14, 83.	1.3	61
228	Bioreceptivity evaluation of cementitious materials designed to stimulate biological growth. Science of the Total Environment, 2014, 481, 232-241.	3.9	58
229	Atmospheric methane removal by methane-oxidizing bacteria immobilized on porous building materials. Applied Microbiology and Biotechnology, 2014, 98, 3791-3800.	1.7	19
230	Greenhouse gas emissions from rice microcosms amended with a plant microbial fuel cell. Applied Microbiology and Biotechnology, 2014, 98, 3205-3217.	1.7	108
231	Biofilm models for the food industry: hot spots for plasmid transfer?. Pathogens and Disease, 2014, 70, 332-338.	0.8	35
232	Increased salinity improves the thermotolerance of mesophilic nitrification. Applied Microbiology and Biotechnology, 2014, 98, 4691-9.	1.7	11
233	Evaluation of solid polymeric organic materials for use in bioreactive sediment capping to stimulate the degradation of chlorinated aliphatic hydrocarbons. Applied Microbiology and Biotechnology, 2014, 98, 2255-2266.	1.7	11
234	Up-scaling aquaculture wastewater treatment by microalgal bacterial flocs: From lab reactors to an outdoor raceway pond. Bioresource Technology, 2014, 159, 342-354.	4.8	120

#	Article	IF	Citations
235	Potential of biogenic hydrogen production for hydrogen driven remediation strategies in marine environments. New Biotechnology, 2014, 31, 445-450.	2.4	7
236	Customized media based on miniaturized screening improve growth rate and cell yield of methane-oxidizing bacteria of the genus Methylomonas. Antonie Van Leeuwenhoek, 2014, 105, 353-366.	0.7	11
237	Control of nitratation in an oxygen-limited autotrophic nitrification/denitrification rotating biological contactor through disc immersion level variation. Bioresource Technology, 2014, 155, 182-188.	4.8	35
238	Methanotrophic archaea possessing diverging methane-oxidizing and electron-transporting pathways. ISME Journal, 2014, 8, 1069-1078.	4.4	160
239	Deodorants and antiperspirants affect the axillary bacterial community. Archives of Dermatological Research, 2014, 306, 701-710.	1.1	56
240	The more, the merrier: heterotroph richness stimulates methanotrophic activity. ISME Journal, 2014, 8, 1945-1948.	4.4	132
241	C & N Isotope Analysis of Diclofenac to Distinguish Oxidative and Reductive Transformation and to Track Commercial Products. Environmental Science & Technology, 2014, 48, 2312-2320.	4.6	31
242	Microbial Odor Profile of Polyester and Cotton Clothes after a Fitness Session. Applied and Environmental Microbiology, 2014, 80, 6611-6619.	1.4	102
243	Interâ€bacterial correlations in subgingival biofilms: a largeâ€scale survey. Journal of Clinical Periodontology, 2014, 41, 1-10.	2.3	54
244	Biogenic Nanopalladium Based Remediation of Chlorinated Hydrocarbons in Marine Environments. Environmental Science & Technology, 2014, 48, 550-557.	4.6	35
245	Anaerobic digestion of molasses by means of a vibrating and non-vibrating submerged anaerobic membrane bioreactor. Biomass and Bioenergy, 2014, 68, 95-105.	2.9	40
246	Trade-off between mesophilic and thermophilic denitrification: Rates vs. sludge production, settleability and stability. Water Research, 2014, 63, 234-244.	5.3	22
247	Formate oxidation-driven calcium carbonate precipitation by Methylocystis parvus OBBP for a concomitant building material surface protection and atmospheric methane removal. New Biotechnology, 2014, 31, S133.	2.4	2
248	Quantitative and functional dynamics of Dehalococcoides spp. and its tceA and vcrA genes under TCE exposure. Biodegradation, 2014, 25, 493-504.	1.5	5
249	Kinetic exploration of nitrate-accumulating microalgae for nutrient recovery. Applied Microbiology and Biotechnology, 2014, 98, 8377-8387.	1.7	25
250	Butyricicoccus pullicaecorum, a butyrate producer with probiotic potential, is intrinsically tolerant to stomach and small intestine conditions. Anaerobe, 2014, 30, 70-74.	1.0	131
251	Formate Oxidation-Driven Calcium Carbonate Precipitation by Methylocystis parvus OBBP. Applied and Environmental Microbiology, 2014, 80, 4659-4667.	1.4	59
252	Biomass retention on electrodes rather than electrical current enhances stability in anaerobic digestion. Water Research, 2014, 54, 211-221.	5.3	133

#	Article	IF	Citations
253	Treatment of industrial wastewaters by microalgal bacterial flocs in sequencing batch reactors. Bioresource Technology, 2014, 161, 245-254.	4.8	89
254	Methyloparacoccus murrellii gen. nov., sp. nov., a methanotroph isolated from pond water. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2100-2107.	0.8	49
255	Artificial sweat composition to grow and sustain a mixed human axillary microbiome. Journal of Microbiological Methods, 2014, 103, 6-8.	0.7	60
256	Abundance and composition of indigenous bacterial communities in a multi-step biofiltration-based drinking water treatment plant. Water Research, 2014, 62, 40-52.	5.3	179
257	Stratified Community Responses to Methane and Sulfate Supplies in Mud Volcano Deposits: Insights from an In Vitro Experiment. PLoS ONE, 2014, 9, e113004.	1.1	9
258	Temporal and Spatial Stability of Ammonia-Oxidizing Archaea and Bacteria in Aquarium Biofilters. PLoS ONE, 2014, 9, e113515.	1.1	32
259	Is biological treatment a viable alternative for micropollutant removal in drinking water treatment processes?. Water Research, 2013, 47, 5955-5976.	5.3	275
260	Application of a molecular based approach for the early detection of short term 3-chloroaniline shock loads on activated sludge bacterial community and functionality. New Biotechnology, 2013, 30, 763-771.	2.4	5
261	Inoculation with a Mixed Degrading Culture Improves the Pesticide Removal of an On-Farm Biopurification System. Current Microbiology, 2013, 67, 466-471.	1.0	15
262	Repeated pulse feeding induces functional stability in anaerobic digestion. Microbial Biotechnology, 2013, 6, 414-424.	2.0	98
263	Termites Facilitate Methane Oxidation and Shape the Methanotrophic Community. Applied and Environmental Microbiology, 2013, 79, 7234-7240.	1.4	32
264	Exploration and prediction of interactions between methanotrophs and heterotrophs. Research in Microbiology, 2013, 164, 1045-1054.	1.0	57
265	High-rate iron-rich activated sludge as stabilizing agent for the anaerobic digestion of kitchen waste. Water Research, 2013, 47, 3732-3741.	5.3	88
266	One-stage partial nitritation/anammox at 15ÂÂ°C on pretreated sewage: feasibility demonstration at lab-scale. Applied Microbiology and Biotechnology, 2013, 97, 10199-10210.	1.7	168
267	Diversity ofBacillus cereusgroup strains is reflected in their broad range of pathogenicity and diverse ecological lifestyles. FEMS Microbiology Ecology, 2013, 84, 433-450.	1.3	173
268	Conceptualizing functional traits and ecological characteristics of methaneâ€oxidizing bacteria as life strategies. Environmental Microbiology Reports, 2013, 5, 335-345.	1.0	225
269	Comparing Metabolic Functionalities, Community Structures, and Dynamics of Herbicide-Degrading Communities Cultivated with Different Substrate Concentrations. Applied and Environmental Microbiology, 2013, 79, 367-375.	1.4	33
270	Barcoded pyrosequencing analysis of the microbial community in a simulator of the human gastrointestinal tract showed a colon region-specific microbiota modulation for two plant-derived polysaccharide blends. Antonie Van Leeuwenhoek, 2013, 103, 409-420.	0.7	19

#	Article	IF	Citations
271	Impact of Chemical Oxidants on the Heavy Metals and the Microbial Population in Sediments. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	6
272	Microbial dechlorination activity during and after chemical oxidant treatment. Journal of Hazardous Materials, 2013, 262, 598-605.	6.5	10
273	Performance of a lab-scale bio-electrochemical assisted septic tank for the anaerobic treatment of black water. New Biotechnology, 2013, 30, 573-580.	2.4	45
274	Historic occurrence of parthenogenetic Artemia in Great Salt Lake, USA, as demonstrated by molecular analysis of field samples. Journal of Great Lakes Research, 2013, 39, 47-55.	0.8	5
275	Influence of strain-specific parameters on hydrothermal liquefaction of microalgae. Bioresource Technology, 2013, 146, 463-471.	4.8	106
276	Integron characterization and typing of Shiga toxin-producing Escherichia coli isolates in Belgium. Journal of Medical Microbiology, 2013, 62, 712-719.	0.7	10
277	Carbon and nitrogen mass balance during flue gas treatment with Dunaliella salina cultures. Journal of Applied Phycology, 2013, 25, 359-368.	1.5	22
278	A microbiology-based multi-parametric approach towards assessing biological stability in drinking water distribution networks. Water Research, 2013, 47, 3015-3025.	5.3	153
279	Environmental conditions and community evenness determine the outcome of biological invasion. Nature Communications, 2013, 4, 1383.	5.8	129
280	Decentralized two-stage sewage treatment by chemicalâ€“biological flocculation combined with microalgae biofilm for nutrient immobilization in a roof installed parallel plate reactor. Bioresource Technology, 2013, 130, 152-160.	4.8	87
281	Bacterial Antagonism Against Periodontopathogens. Journal of Periodontology, 2013, 84, 801-811.	1.7	35
282	Routine bacterial analysis with automated flow cytometry. Journal of Microbiological Methods, 2013, 94, 73-76.	0.7	123
283	Bioremediation of Southern Mediterranean oil polluted sites comes of age. New Biotechnology, 2013, 30, 743-748.	2.4	32
284	Microbiology and immunology of fish larvae. Reviews in Aquaculture, 2013, 5, S1.	4.6	122
285	Comparison of bacterial cells and amine-functionalized abiotic surfaces as support for Pd nanoparticle synthesis. Colloids and Surfaces B: Biointerfaces, 2013, 102, 898-904.	2.5	19
286	Selection of associated heterotrophs by methane-oxidizing bacteria at different copper concentrations. Antonie Van Leeuwenhoek, 2013, 103, 527-537.	0.7	26
287	Anaerobic oxidation of methane in hypersaline cold seep sediments. FEMS Microbiology Ecology, 2013, 83, 214-231.	1.3	60
288	Bacterial invasion potential in water is determined by nutrient availability and the indigenous community. FEMS Microbiology Ecology, 2013, 85, 593-603.	1.3	41

#	Article	IF	Citations
289	Small Bacillus cereus ATCC 14579 subpopulations are responsible for cytotoxin K production. Journal of Applied Microbiology, 2013, 114, 899-906.	1.4	13
290	Revisiting Methanotrophic Communities in Sewage Treatment Plants. Applied and Environmental Microbiology, 2013, 79, 2841-2846.	1.4	40
291	Biofilm-Grown Burkholderia cepacia Complex Cells Survive Antibiotic Treatment by Avoiding Production of Reactive Oxygen Species. PLoS ONE, 2013, 8, e58943.	1.1	110
292	Characterization of Staphylococcus and Corynebacterium Clusters in the Human Axillary Region. PLoS ONE, 2013, 8, e70538.	1.1	74
293	Survival of Bacillus cereus Vegetative Cells and Spores during In Vitro Simulation of Gastric Passage. Journal of Food Protection, 2012, 75, 690-694.	0.8	29
294	Strain-Specific Transfer of Antibiotic Resistance from an Environmental Plasmid to Foodborne Pathogens. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8.	3.0	29
295	Survival and Germination of Bacillus cereus Spores without Outgrowth or Enterotoxin Production during In Vitro Simulation of Gastrointestinal Transit. Applied and Environmental Microbiology, 2012, 78, 7698-7705.	1.4	41
296	Enterotoxin Production byBacillus cereusUnder Gastrointestinal Conditions and Their Immunological Detection by Commercially Available Kits. Foodborne Pathogens and Disease, 2012, 9, 1130-1136.	0.8	49
297	ULIXES, unravelling and exploiting Mediterranean Sea microbial diversity and ecology for xenobioticsâ€™ and pollutantsâ€™ clean up. Reviews in Environmental Science and Biotechnology, 2012, 11, 207-211.	3.9	12
298	The impact of quorum sensing on the virulence of Aeromonas hydrophila and Aeromonas salmonicida towards burbot (Lota lota L.) larvae. Veterinary Microbiology, 2012, 159, 77-82.	0.8	59
299	Electrochemical Resource Recovery from Digestate to Prevent Ammonia Toxicity during Anaerobic Digestion. Environmental Science & Technology, 2012, 46, 12209-12216.	4.6	185
300	Efficient Total Nitrogen Removal in an Ammonia Gas Biofilter through High-Rate OLAND. Environmental Science & Technology, 2012, 46, 8826-8833.	4.6	20
301	Flow cytometry for fast microbial community fingerprinting. Water Research, 2012, 46, 907-919.	5.3	110
302	Doping of biogenic Pd catalysts with Au enables dechlorination of diclofenac at environmental conditions. Water Research, 2012, 46, 2718-2726.	5.3	73
303	Transparent exopolymer particle removal in different drinking water production centers. Water Research, 2012, 46, 3603-3611.	5.3	25
304	The use of liposomes to differentiate between the effects of nickel accumulation and altered food quality in Daphnia magna exposed to dietary nickel. Aquatic Toxicology, 2012, 109, 80-89.	1.9	11
305	A method for the specific detection of resident bacteria in brine shrimp larvae. Journal of Microbiological Methods, 2012, 89, 33-37.	0.7	10
306	Inactivation of Bacillus cereus vegetative cells by gastric acid and bile during in vitro gastrointestinal transit. Gut Pathogens, 2012, 4, 11.	1.6	19

#	Article	IF	Citations
307	Conversion of Biogas to Bioproducts by Algae and Methane Oxidizing Bacteria. Environmental Science & Technology, 2012, 46, 13425-13431.	4.6	78
308	Flue gas compounds and microalgae: (Bio-)chemical interactions leading to biotechnological opportunities. Biotechnology Advances, 2012, 30, 1405-1424.	6.0	283
309	Strategies to mitigate N2O emissions from biological nitrogen removal systems. Current Opinion in Biotechnology, 2012, 23, 474-482.	3.3	133
310	Microbial production and environmental applications of Pd nanoparticles for treatment of halogenated compounds. Current Opinion in Biotechnology, 2012, 23, 555-561.	3.3	68
311	Autotrophic Denitrification in Microbial Fuel Cells Treating Low Ionic Strength Waters. Environmental Science & Technology, 2012, 46, 2309-2315.	4.6	159
312	Survival or Revival: Long-Term Preservation Induces a Reversible Viable but Non-Culturable State in Methane-Oxidizing Bacteria. PLoS ONE, 2012, 7, e34196.	1.1	39
313	Microbial community of predatory bugs of the genus Macrolophus(Hemiptera: Miridae). BMC Microbiology, 2012, 12, S9.	1.3	29
314	Biologically produced nanosilver: Current state and future perspectives. Biotechnology and Bioengineering, 2012, 109, 2422-2436.	1.7	196
315	Intrarectal Nitric Oxide Administration Prevents Cellular Infiltration but Not Colonic Injury During Dextran Sodium Sulfate Colitis. Digestive Diseases and Sciences, 2012, 57, 1832-1837.	1.1	4
316	Suitability of granular carbon as an anode material for sediment microbial fuel cells. Journal of Soils and Sediments, 2012, 12, 1197-1206.	1.5	39
317	Bacterial host interaction of GFPâ€labelled Vibrio anguillarum HIâ€610 with gnotobiotic sea bass, Dicentrarchus labrax (L.), larvae. Journal of Fish Diseases, 2012, 35, 265-273.	0.9	34
318	Effects of poly-Î²-hydroxybutyrate (PHB) on Siberian sturgeon (Acipenser baerii) fingerlings performance and its gastrointestinal tract microbial community. FEMS Microbiology Ecology, 2012, 79, 25-33.	1.3	69
319	Decreased colonization of fecal Clostridium coccoides/Eubacterium rectale species from ulcerative colitis patients in an in vitro dynamic gut model with mucin environment. FEMS Microbiology Ecology, 2012, 79, 685-696.	1.3	111
320	Impact of intestinal microbiota and gastrointestinal conditions on the in vitro survival and growth of Bacillus cereus. International Journal of Food Microbiology, 2012, 155, 241-246.	2.1	23
321	Anaerobic digestibility of Scenedesmus obliquus and Phaeodactylum tricornutum under mesophilic and thermophilic conditions. Applied Energy, 2012, 92, 733-738.	5.1	162
322	Methanosarcina: The rediscovered methanogen for heavy duty biomethanation. Bioresource Technology, 2012, 112, 1-9.	4.8	661
323	Bioâ€palladium: from metal recovery to catalytic applications. Microbial Biotechnology, 2012, 5, 5-17.	2.0	131
324	Miniaturized extinction culturing is the preferred strategy for rapid isolation of fastâ€growing methaneâ€oxidizing bacteria. Microbial Biotechnology, 2012, 5, 368-378.	2.0	34

#	Article	IF	Citations
325	Sulfideâ€•and nitriteâ€dependent nitric oxide production in the intestinal tract. Microbial Biotechnology, 2012, 5, 379-387.	2.0	22
326	Diclofenac and 2â€anilinophenylacetate degradation by combined activity of biogenic manganese oxides and silver. Microbial Biotechnology, 2012, 5, 388-395.	2.0	46
327	Catalytic dechlorination of diclofenac by biogenic palladium in a microbial electrolysis cell. Microbial Biotechnology, 2012, 5, 396-402.	2.0	28
328	Editorial preface. Microbial Biotechnology, 2012, 5, 305-306.	2.0	2
329	Biodeposited Pd/Au bimetallic nanoparticles as novel Suzuki catalysts. Tetrahedron Letters, 2012, 53, 1410-1412.	0.7	62
330	Anaerobic digestibility of marine microalgae Phaeodactylum tricornutum in a lab-scale anaerobic membrane bioreactor. Applied Microbiology and Biotechnology, 2012, 93, 859-869.	1.7	56
331	Biocathodic Nitrous Oxide Removal in Bioelectrochemical Systems. Environmental Science & Technology, 2011, 45, 10557-10566.	4.6	54
332	Biogenic Palladium Enhances Diatrizoate Removal from Hospital Wastewater in a Microbial Electrolysis Cell. Environmental Science & Technology, 2011, 45, 5737-5745.	4.6	60
333	Liposomes as an alternative delivery system for investigating dietary metal toxicity to Daphnia magna. Aquatic Toxicology, 2011, 105, 661-668.	1.9	16
334	Regulation of toxin production by Bacillus cereus and its food safety implications. Critical Reviews in Microbiology, 2011, 37, 188-213.	2.7	104
335	Denitrification in Gram-positive bacteria: an underexplored trait. Biochemical Society Transactions, 2011, 39, 254-258.	1.6	41
336	N-acylhomoserine lactone-degrading Bacillus strains isolated from aquaculture animals. Aquaculture, 2011, 311, 258-260.	1.7	44
337	PCR-based community structure studies of Bacteria associated with eukaryotic organisms: A simple PCR strategy to avoid co-amplification of eukaryotic DNA. Journal of Microbiological Methods, 2011, 84, 349-351.	0.7	71
338	Adherence and viability of intestinal bacteria to differentiated Caco-2 cells quantified by flow cytometry. Journal of Microbiological Methods, 2011, 86, 33-41.	0.7	11
339	Biogenic metals for the oxidative and reductive removal ofÂpharmaceuticals, biocides and iodinated contrast media inÂaÂpolishing membrane bioreactor. Water Research, 2011, 45, 1763-1773.	5.3	99
340	Degradation of acetaminophen by Delftia tsuruhatensis and Pseudomonas aeruginosa in a membrane bioreactor. Water Research, 2011, 45, 1829-1837.	5.3	158
341	Virus disinfection in water by biogenic silver immobilized in polyvinylidene fluoride membranes. Water Research, 2011, 45, 1856-1864.	5.3	107
342	A sustainable, carbon neutral methane oxidation by a partnership of methane oxidizing communities and microalgae. Water Research, 2011, 45, 2845-2854.	5.3	53

#	Article	IF	Citations
343	Nutrient gradients in a granular activated carbon biofilter drives bacterial community organization and dynamics. Water Research, 2011, 45, 6355-6361.	5.3	90
344	Biosupported Bimetallic Pdâ€“Au Nanocatalysts for Dechlorination of Environmental Contaminants. Environmental Science & Technology, 2011, 45, 8506-8513.	4.6	99
345	Killing of anaerobic pathogens by predatory bacteria. Molecular Oral Microbiology, 2011, 26, 52-61.	1.3	43
346	Live/dead realâ€time polymerase chain reaction to assess new therapies against dental plaqueâ€related pathologies. Molecular Oral Microbiology, 2011, 26, 253-261.	1.3	58
347	Convergent dynamics of the juvenile European sea bass gut microbiota induced by polyâ€i²â€hydroxybutyrate. Environmental Microbiology, 2011, 13, 1042-1051.	1.8	28
348	Addition of an aerated ironâ€rich wasteâ€activated sludge to control the soluble sulphide concentration in sewage. Water and Environment Journal, 2011, 25, 106-115.	1.0	8
349	Denitrification is a common feature among members of the genus Bacillus. Systematic and Applied Microbiology, 2011, 34, 385-391.	1.2	153
350	Bioflocculation of microalgae and bacteria combined with flue gas to improve sewage treatment. New Biotechnology, 2011, 29, 23-31.	2.4	121
351	Bioreactor technology in marine microbiology: From design to future application. Biotechnology Advances, 2011, 29, 312-321.	6.0	39
352	Dehalogenation of environmental pollutants in microbial electrolysis cells with biogenic palladium nanoparticles. Biotechnology Letters, 2011, 33, 89-95.	1.1	39
353	Anaerobic oxidation of methane in a cold-water coral carbonate mound from the Gulf of Cadiz. International Journal of Earth Sciences, 2011, 100, 1413-1422.	0.9	16
354	Biocatalytic dechlorination of hexachlorocyclohexane by immobilized bio-Pd in a pilot scale fluidized bed reactor. Environmental Chemistry Letters, 2011, 9, 417-422.	8.3	23
355	Correlations between molecular and operational parameters in continuous lab-scale anaerobic reactors. Applied Microbiology and Biotechnology, 2011, 89, 303-314.	1.7	91
356	Upgrading of straw hydrolysate for production of hydrogen and phenols in a microbial electrolysis cell (MEC). Applied Microbiology and Biotechnology, 2011, 89, 855-865.	1.7	29
357	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm. Applied Microbiology and Biotechnology, 2011, 90, 1511-1519.	1.7	80
358	Microbial Resource Management revisited: successful parameters and new concepts. Applied Microbiology and Biotechnology, 2011, 90, 861-871.	1.7	62
359	The antibacterial activity of biogenic silver and its mode of action. Applied Microbiology and Biotechnology, 2011, 91, 153-162.	1.7	154
360	Palladium nanoparticles produced by fermentatively cultivated bacteria as catalyst for diatrizoate removal with biogenic hydrogen. Applied Microbiology and Biotechnology, 2011, 91, 1435-1445.	1.7	79

#	Article	IF	Citations
361	Enrichment of a microbial community performing anaerobic oxidation of methane in a continuous high-pressure bioreactor. BMC Microbiology, 2011, 11, 137.	1.3	45
362	Gold nanoparticle formation using Shewanella oneidensis: a fast biosorption and slow reduction process. Journal of Chemical Technology and Biotechnology, 2011, 86, 547-553.	1.6	43
363	Microalgal bacterial floc properties are improved by a balanced inorganic/organic carbon ratio. Biotechnology and Bioengineering, 2011, 108, 549-558.	1.7	70
364	Bacterial Colonization of Pellet Softening Reactors Used during Drinking Water Treatment. Applied and Environmental Microbiology, 2011, 77, 1041-1048.	1.4	17
365	Planktonic versus Biofilm Catabolic Communities: Importance of the Biofilm for Species Selection and Pesticide Degradation. Applied and Environmental Microbiology, 2011, 77, 4728-4735.	1.4	45
366	A time-course analysis of four full-scale anaerobic digesters in relation to the dynamics of change of their microbial communities. Water Science and Technology, 2011, 63, 769-775.	1.2	38
367	Quorum sensing negatively regulates chitinase in Vibrio harveyi. Environmental Microbiology Reports, 2010, 2, 44-49.	1.0	55
368	Poly-Î²-hydroxybutyrate (PHB) increases growth performance and intestinal bacterial range-weighted richness in juvenile European sea bass, Dicentrarchus labrax. Applied Microbiology and Biotechnology, 2010, 86, 1535-1541.	1.7	155
369	Effects of chemically and electrochemically dosed chlorine on Escherichia coli and Legionella beliardensis assessed by flow cytometry. Applied Microbiology and Biotechnology, 2010, 87, 331-341.	1.7	65
370	Copper enhances the activity and salt resistance of mixed methane-oxidizing communities. Applied Microbiology and Biotechnology, 2010, 87, 2355-2363.	1.7	30
371	Past, present and future applications of flow cytometry in aquatic microbiology. Trends in Biotechnology, 2010, 28, 416-424.	4.9	220
372	Differential mucosal expression of Th17-related genes between the inflamed colon and ileum of patients with inflammatory bowel disease. BMC Immunology, 2010, 11, 61.	0.9	53
373	Validation study of 24 deepwell microtiterplates to screen libraries of strains in metabolic engineering. Journal of Bioscience and Bioengineering, 2010, 110, 646-652.	1.1	10
374	Microbial fuel cells operating on mixed fatty acids. Bioresource Technology, 2010, 101, 1233-1238.	4.8	188
375	Stimulation of in vitro anaerobic oxidation of methane rate in a continuous high-pressure bioreactor. Bioresource Technology, 2010, 101, 3132-3138.	4.8	78
376	PHB-degrading bacteria isolated from the gastrointestinal tract of aquatic animals as protective actors against luminescent vibriosis. FEMS Microbiology Ecology, 2010, 74, 196-204.	1.3	51
377	Bacterial community structure corresponds to performance during cathodic nitrate reduction. ISME Journal, 2010, 4, 1443-1455.	4.4	137
378	Butyric acid-producing anaerobic bacteria as a novel probiotic treatment approach for inflammatory bowel disease. Journal of Medical Microbiology, 2010, 59, 141-143.	0.7	164

#	Article	IF	Citations
379	Inactivation of Murine Norovirus 1 and Bacteroides fragilis Phage B40-8 by Mesophilic and Thermophilic Anaerobic Digestion of Pig Slurry. Applied and Environmental Microbiology, 2010, 76, 2013-2017.	1.4	14
380	Inactivation of Viruses in Water by Biogenic Silver: Innovative and Environmentally Friendly Disinfection Technique. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	4
381	Can Bacteria Evolve Resistance to Quorum Sensing Disruption?. PLoS Pathogens, 2010, 6, e1000989.	2.1	192
382	Biogenic Silver for Disinfection of Water Contaminated with Viruses. Applied and Environmental Microbiology, 2010, 76, 1082-1087.	1.4	142
383	Virus Removal by Biogenic Cerium. Environmental Science & Technology, 2010, 44, 6350-6356.	4.6	30
384	Quantification methods for Bacillus cereus vegetative cells and spores in the gastrointestinal environment. Journal of Microbiological Methods, 2010, 83, 202-210.	0.7	28
385	Removal of diatrizoate with catalytically active membranes incorporating microbially produced palladium nanoparticles. Water Research, 2010, 44, 1498-1506.	5.3	61
386	Production of polyhydroxyalkanoates in open, mixed cultures from a waste sludge stream containing high levels of soluble organics, nitrogen and phosphorus. Water Research, 2010, 44, 5196-5211.	5.3	138
387	Overnight stagnation of drinking water in household taps induces microbial growth and changes in community composition. Water Research, 2010, 44, 4868-4877.	5.3	226
388	Microbial services and their management: Recent progresses in soil bioremediation technology. Applied Soil Ecology, 2010, 46, 157-167.	2.1	47
389	Diclofenac Oxidation by Biogenic Manganese Oxides. Environmental Science & Technology, 2010, 44, 3449-3454.	4.6	141
390	Concomitant Microbial Generation of Palladium Nanoparticles and Hydrogen To Immobilize Chromate. Environmental Science & Technology, 2010, 44, 7635-7640.	4.6	82
391	Microbial Community Analysis of Anodes from Sediment Microbial Fuel Cells Powered by Rhizodeposits of Living Rice Plants. Applied and Environmental Microbiology, 2010, 76, 2002-2008.	1.4	113
392	Aggregate Size and Architecture Determine Microbial Activity Balance for One-Stage Partial Nitritation and Anammox. Applied and Environmental Microbiology, 2010, 76, 900-909.	1.4	318
393	Nitric Oxide Production by the Human Intestinal Microbiota by Dissimilatory Nitrate Reduction to Ammonium. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-10.	3.0	45
394	Biogenic metals in advanced water treatment. Trends in Biotechnology, 2009, 27, 90-98.	4.9	203
395	Short-chain fatty acids and poly-Î²-hydroxyalkanoates: (New) Biocontrol agents for a sustainable animal production. Biotechnology Advances, 2009, 27, 680-685.	6.0	145
396	Biological removal of 17Î±â€ethinylestradiol (EE2) in an aerated nitrifying fixed bed reactor during ammonium starvation. Journal of Chemical Technology and Biotechnology, 2009, 84, 119-125.	1.6	53

#	Article	IF	Citations
397	Biocatalytic dechlorination of trichloroethylene with bioâ€palladium in a pilotâ€scale membrane reactor. Biotechnology and Bioengineering, 2009, 102, 995-1002.	1.7	86
398	Effects of feeding regime and probionts on the diverting microbial communities in rotifer Brachionus culture. Aquaculture International, 2009, 17, 303-315.	1.1	26
399	Enhanced nitrogen removal in bio-electrochemical systems by pH control. Biotechnology Letters, 2009, 31, 1537-1543.	1.1	87
400	Ingestion of bacteria overproducing DnaK attenuates Vibrio infection of Artemia franciscana larvae. Cell Stress and Chaperones, 2009, 14, 603-609.	1.2	25
401	Lactic acid bacteria as reducing and capping agent for the fast and efficient production of silver nanoparticles. Applied Microbiology and Biotechnology, 2009, 84, 741-749.	1.7	342
402	High reproducibility of ammonia-oxidizing bacterial communities in parallel sequential batch reactors. Journal of Applied Microbiology, 2009, 107, 385-394.	1.4	31
403	Isolation and characterization of low nucleic acid (LNA)-content bacteria. ISME Journal, 2009, 3, 889-902.	4.4	169
404	Initial community evenness favours functionality under selective stress. Nature, 2009, 458, 623-626.	13.7	845
405	Environmental factors shaping the ecological niches of ammonia-oxidizing archaea. FEMS Microbiology Reviews, 2009, 33, 855-869.	3.9	605
406	Nitrate-reducing, sulfide-oxidizing bacteria as microbial oxidants for rapid biological sulfide removal. FEMS Microbiology Ecology, 2009, 67, 151-161.	1.3	50
407	Development of a bacterial challenge test for gnotobiotic sea bass (Dicentrarchus labrax) larvae. Environmental Microbiology, 2009, 11, 526-533.	1.8	72
408	Nitrogen Removal from Digested Black Water by One-Stage Partial Nitritation and Anammox. Environmental Science & Technology, 2009, 43, 5035-5041.	4.6	160
409	Bioaugmentation of a 4-chloronitrobenzene contaminated soil with Pseudomonas putida ZWL73. Environmental Pollution, 2009, 157, 763-771.	3.7	73
410	Remediation of trichloroethylene by bio-precipitated and encapsulated palladium nanoparticles in a fixed bed reactor. Chemosphere, 2009, 76, 1221-1225.	4.2	60
411	Influence of manganese and ammonium oxidation on the removal of 17Î±-ethinylestradiol (EE2). Water Research, 2009, 43, 77-86.	5.3	58
412	Biological removal of 17Î±-ethinylestradiol by a nitrifier enrichment culture in a membrane bioreactor. Water Research, 2009, 43, 2493-2503.	5.3	97
413	Enhanced removal of 1,2-dichloroethane by anodophilic microbial consortia. Water Research, 2009, 43, 2936-2946.	5.3	110
414	The inoculum effect on the ammonia-oxidizing bacterial communities in parallel sequential batch reactors. Water Research, 2009, 43, 4149-4158.	5.3	53

#	Article	IF	Citations
415	Probiotics in aquaculture of China â€" Current state, problems and prospect. Aquaculture, 2009, 290, 15-21.	1.7	246
416	Novel approach of using homoserine lactone-degrading and poly-Î²-hydroxybutyrate-accumulating bacteria to protect Artemia from the pathogenic effects of Vibrio harveyi. Aquaculture, 2009, 291, 23-30.	1.7	37
417	Analysis of the evolution of microbial communities associated with different cultures of rotifer strains belonging to different cryptic species of the Brachionus plicatilis species complex. Aquaculture, 2009, 292, 23-29.	1.7	12
418	Effect of germ-free rearing environment on gut development of larval sea bass (Dicentrarchus labrax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	37
419	A completely anoxic microbial fuel cell using a photo-biocathode for cathodic carbon dioxide reduction. Energy and Environmental Science, 2009, 2, 498.	15.6	155
420	Development and performance of a quantitative PCR for the enumeration of Bdellovibrionaceae. Environmental Microbiology Reports, 2009, 1, 228-233.	1.0	30
421	17Î±-ethinylestradiol cometabolism by bacteria degrading estrone, 17Î²-estradiol and estriol. Biodegradation, 2008, 19, 683-693.	1.5	99
422	Metabolites produced by Pseudomonas sp. enable a Gram-positive bacterium to achieve extracellular electron transfer. Applied Microbiology and Biotechnology, 2008, 77, 1119-1129.	1.7	272
423	Use of Pseudomonas species producing phenazine-based metabolites in the anodes of microbial fuel cells to improve electricity generation. Applied Microbiology and Biotechnology, 2008, 80, 985-993.	1.7	128
424	Electricity generation by an enriched phototrophic consortium in a microbial fuel cell. Electrochemistry Communications, 2008, 10, 1392-1395.	2.3	69
425	Loading rate and external resistance control the electricity generation of microbial fuel cells with different three-dimensional anodes. Bioresource Technology, 2008, 99, 8895-8902.	4.8	308
426	Quorum sensing and quorum quenching in Vibrio harveyi: lessons learned from in vivo work. ISME Journal, 2008, 2, 19-26.	4.4	154
427	How to get more out of molecular fingerprints: practical tools for microbial ecology. Environmental Microbiology, 2008, 10, 1571-1581.	1.8	438
428	Multi-method approach indicates no presence of sub-lethally injured Listeria monocytogenes cells after mild heat treatment. International Journal of Food Microbiology, 2008, 123, 262-268.	2.1	36
429	Outlook for benefits of sediment microbial fuel cells with two bioâ€electrodes. Microbial Biotechnology, 2008, 1, 446-462.	2.0	110
430	High shear enrichment improves the performance of the anodophilic microbial consortium in a microbial fuel cell. Microbial Biotechnology, 2008, 1, 487-496.	2.0	128
431	Xylanases from microbial origin induce syrup formation in dough. Journal of Cereal Science, 2008, 47, 18-28.	1.8	5
432	Microbial Fuel Cells Generating Electricity from Rhizodeposits of Rice Plants. Environmental Science & Technology, 2008, 42, 3053-3058.	4.6	281

#	Article	IF	Citations
433	The basics of bio-flocs technology: The added value for aquaculture. Aquaculture, 2008, 277, 125-137.	1.7	580
434	Chemical and biological technologies for hydrogen sulfide emission control in sewer systems: A review. Water Research, 2008, 42, 1-12.	5.3	596
435	Distribution of Nitrosomonas europaea and Nitrobacter winogradskyi in an autotrophic nitrifying biofilm reactor as depicted by molecular analyses and mathematical modelling. Water Research, 2008, 42, 1700-1714.	5.3	28
436	Partial Nitrification Achieved by Pulse Sulfide Doses in a Sequential Batch Reactor. Environmental Science & Technology, 2008, 42, 8715-8720.	4.6	73
437	Quantifying Community Dynamics of Nitrifiers in Functionally Stable Reactors. Applied and Environmental Microbiology, 2008, 74, 286-293.	1.4	176
438	Accumulation of trans C _{18:1} Fatty Acids in the Rumen after Dietary Algal Supplementation Is Associated with Changes in the Butyrivibrio Community. Applied and Environmental Microbiology, 2008, 74, 6923-6930.	1.4	121
439	Granular biomass capable of partial nitritation and anammox. Water Science and Technology, 2008, 58, 1113-1120.	1.2	44
440	Isolation and Characterization of Human Intestinal Bacteria Capable of Transforming the Dietary Carcinogen 2-Amino-1-Methyl-6-Phenylimidazo[4,5- b]Pyridine. Applied and Environmental Microbiology, 2008, 74, 1469-1477.	1.4	34
441	A Novel Reductive Dehalogenase, Identified in a Contaminated Groundwater Enrichment Culture and in Desulfitobacterium dichloroeliminans Strain DCA1, Is Linked to Dehalogenation of 1,2-Dichloroethane. Applied and Environmental Microbiology, 2007, 73, 2990-2999.	1.4	61
442	Quantification of the Filterability of Freshwater Bacteria through 0.45, 0.22, and 0.1 Î¼m Pore Size Filters and Shape-Dependent Enrichment of Filterable Bacterial Communities. Environmental Science & Technology, 2007, 41, 7080-7086.	4.6	130
443	Minireview: The Potential of Enhanced Manganese Redox Cycling for Sediment Oxidation. Geomicrobiology Journal, 2007, 24, 547-558.	1.0	39
444	Open Air Biocathode Enables Effective Electricity Generation with Microbial Fuel Cells. Environmental Science & Technology, 2007, 41, 7564-7569.	4.6	359
445	Biological Denitrification in Microbial Fuel Cells. Environmental Science & Technology, 2007, 41, 3354-3360.	4.6	739
446	Performance and microbial analysis of defined and non-defined inocula for the removal of dimethyl sulfide in a biotrickling filter. Biotechnology and Bioengineering, 2007, 96, 661-672.	1.7	23
447	Changes in rumen biohydrogenation intermediates and ciliate protozoa diversity after algae supplementation to dairy cattle. European Journal of Lipid Science and Technology, 2007, 109, 767-777.	1.0	52
448	The bacterial storage compound poly-?-hydroxybutyrate protects Artemia franciscana from pathogenic Vibrio campbellii. Environmental Microbiology, 2007, 9, 445-452.	1.8	150
449	Nitric oxide reductase (norB) gene sequence analysis reveals discrepancies with nitrite reductase (nir) gene phylogeny in cultivated denitrifiers. Environmental Microbiology, 2007, 9, 1072-1077.	1.8	47
450	Inulin-type fructans of longer degree of polymerization exert more pronounced in vitro prebiotic effects. Journal of Applied Microbiology, 2007, 102, 452-60.	1.4	251

#	Article	IF	Citations
451	Poly-ÃŽÂ²-hydroxybutyrate-accumulating bacteria protect gnotobiotic Artemia franciscana from pathogenic Vibrio campbellii. FEMS Microbiology Ecology, 2007, 60, 363-369.	1.3	88
452	N-acyl homoserine lactone-degrading microbial enrichment cultures isolated from Penaeus vannamei shrimp gut and their probiotic properties in Brachionus plicatilis cultures. FEMS Microbiology Ecology, 2007, 62, 45-53.	1.3	51
453	The phylogeny of the genus Nitrobacter based on comparative rep-PCR, 16S rRNA and nitrite oxidoreductase gene sequence analysis. Systematic and Applied Microbiology, 2007, 30, 297-308.	1.2	68
454	Alternatives to antibiotics to control bacterial infections: luminescent vibriosis in aquaculture as an example. Trends in Biotechnology, 2007, 25, 472-479.	4.9	304
455	Microbial Resource Management: The Road To Go for Environmental Biotechnology. Engineering in Life Sciences, 2007, 7, 117-126.	2.0	125
456	Inhibition of Legionella pneumophila by Bacillus sp.. Engineering in Life Sciences, 2007, 7, 497-503.	2.0	16
457	Reactivation of aerobic and anaerobic ammonium oxidizers in OLAND biomass after long-term storage. Applied Microbiology and Biotechnology, 2007, 74, 1376-1384.	1.7	68
458	Real-time PCR assay for the simultaneous quantification of nitrifying and denitrifying bacteria in activated sludge. Applied Microbiology and Biotechnology, 2007, 75, 211-221.	1.7	178
459	Vertical migration of aggregated aerobic and anaerobic ammonium oxidizers enhances oxygen uptake in a stagnant water layer. Applied Microbiology and Biotechnology, 2007, 75, 1455-1461.	1.7	7
460	Cultivation of Denitrifying Bacteria: Optimization of Isolation Conditions and Diversity Study. Applied and Environmental Microbiology, 2006, 72, 2637-2643.	1.4	248
461	Continuous Electricity Generation at High Voltages and Currents Using Stacked Microbial Fuel Cells. Environmental Science & Technology, 2006, 40, 3388-3394.	4.6	775
462	Microbial Fuel Cells for Sulfide Removalâ€. Environmental Science & Technology, 2006, 40, 5218-5224.	4.6	366
463	Real time PCR quantification in groundwater of the dehalorespiring Desulfitobacterium dichloroeliminans strain DCA1. Journal of Microbiological Methods, 2006, 67, 294-303.	0.7	15
464	The incidence of nirS and nirK and their genetic heterogeneity in cultivated denitrifiers. Environmental Microbiology, 2006, 8, 2012-2021.	1.8	201
465	Evolutionary algorithms and flow cytometry to examine the parameters influencing transconjugant formation. FEMS Microbiology Ecology, 2006, 55, 17-27.	1.3	20
466	Strategies of aerobic ammonia-oxidizing bacteria for coping with nutrient and oxygen fluctuations. FEMS Microbiology Ecology, 2006, 58, 1-13.	1.3	143
467	Introduction of a boost of Legionella pneumophila into a stagnant-water model by heat treatment. FEMS Microbiology Ecology, 2006, 58, 583-592.	1.3	28
468	Microbial Fuel Cells in Relation to Conventional Anaerobic Digestion Technology. Engineering in Life Sciences, 2006, 6, 285-292.	2.0	337

#	Article	IF	Citations
469	Factors Controlling the Activity of Bacteriophageâ€‰UZ1 againstEnterobacter aerogenes Strainâ€‰BE1 under Simulated Intestinal Conditions. Engineering in Life Sciences, 2006, 6, 501-507.	2.0	0
470	Biological control of the size and reactivity of catalytic Pd(0) produced by Shewanella oneidensis. Antonie Van Leeuwenhoek, 2006, 90, 377-389.	0.7	121
471	H2S degradation is reflected by both the activity and composition of the microbial community in a compost biofilter. Applied Microbiology and Biotechnology, 2006, 72, 1090-1098.	1.7	17
472	Community dynamics of methanotrophic bacteria during composting of organic matter. Journal of Bioscience and Bioengineering, 2006, 101, 297-302.	1.1	41
473	Optimisation of the aminoâ€“carboxy coupling of oligonucleotides to beads used in liquid arrays. Journal of Chemical Technology and Biotechnology, 2006, 81, 476-480.	1.6	8
474	Necrotrophic Growth of Legionella pneumophila. Applied and Environmental Microbiology, 2006, 72, 4323-4328.	1.4	101
475	AggA is required for aggregation and increased biofilm formation of a hyper-aggregating mutant of Shewanella oneidensis MR-1. Microbiology (United Kingdom), 2006, 152, 721-729.	0.7	34
476	Slow-Release Inoculation Allows Sustained Biodegradation of Î³-Hexachlorocyclohexane. Applied and Environmental Microbiology, 2006, 72, 622-627.	1.4	44
477	Inoculation and start-up of a biotricking filter removing dimethyl sulfide. Chemical Engineering Journal, 2005, 113, 127-134.	6.6	40
478	Stereospecific effect of hexachlorocyclohexane on activity and structure of soil methanotrophic communities. Environmental Microbiology, 2005, 7, 660-669.	1.8	61
479	Evaluation of nested PCR assays for the detection of Legionella pneumophila in a wide range of aquatic samples. Journal of Applied Microbiology, 2005, 99, 916-925.	1.4	14
480	Failure of the ammonia oxidation process in two pharmaceutical wastewater treatment plants is linked to shifts in the bacterial communities. Journal of Applied Microbiology, 2005, 99, 997-1006.	1.4	63
481	Quantification of an Eikelboom type 021N bulking event with fluorescence in situ hybridization and real-time PCR. Applied Microbiology and Biotechnology, 2005, 68, 695-704.	1.7	35
482	Isolation and characterisation of an equol-producing mixed microbial culture from a human faecal sample and its activity under gastrointestinal conditions. Archives of Microbiology, 2005, 183, 45-55.	1.0	198
483	Legionella pneumophila in the Environment: The Occurrence of a Fastidious Bacterium in Oligotrophic Conditions. Reviews in Environmental Science and Biotechnology, 2005, 4, 61-74.	3.9	21
484	Production of acylated homoserine lactones byAeromonasandPseudomonasstrains isolated from municipal activated sludge. Canadian Journal of Microbiology, 2005, 51, 924-933.	0.8	37
485	Development of a Chlamydophila psittaci species-specific and genotype-specific real-time PCR. Veterinary Research, 2005, 36, 787-797.	1.1	61
486	Microbial Phenazine Production Enhances Electron Transfer in Biofuel Cells. Environmental Science & Technology, 2005, 39, 3401-3408.	4.6	859

#	Article	IF	Citations
487	Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem. FEMS Microbiology Ecology, 2004, 51, 143-153.	1.3	165
488	Stability and activity of an Enterobacter aerogenes-specific bacteriophage under simulated gastro-intestinal conditions. Applied Microbiology and Biotechnology, 2004, 65, 465-472.	1.7	51
489	Biofuel Cells Select for Microbial Consortia That Self-Mediate Electron Transfer. Applied and Environmental Microbiology, 2004, 70, 5373-5382.	1.4	1,090
490	Development and validation of evolutionary algorithm software as an optimization tool for biological and environmental applications. Journal of Microbiological Methods, 2004, 57, 309-322.	0.7	5
491	Disruption of bacterial quorum sensing: an unexplored strategy to fight infections in aquaculture. Aquaculture, 2004, 240, 69-88.	1.7	226
492	Molecular, biochemical and ecological characterisation of a bio-catalytic calcification reactor. Applied Microbiology and Biotechnology, 2003, 62, 191-201.	1.7	36
493	Erratum to Ã¢Â€ÂœCatabolic mobile genetic elements and their potential use in bioaugmentation of polluted soils and watersÃ¢Â€Â• FEMS Microbiology Ecology, 2003, 44, 137-137.	1.3	1
494	Diversity of activated sludge bacteria receiving the 3-chloroaniline-degradative plasmid pC1gfp. FEMS Microbiology Ecology, 2003, 46, 221-230.	1.3	22
495	Cell density related H2 consumption in relation to anoxic Fe(0) corrosion and precipitation of corrosion products by Shewanella oneidensis MR-1. Environmental Microbiology, 2003, 5, 1192-1202.	1.8	57
496	Synergistic Degradation of Linuron by a Bacterial Consortium and Isolation of a Single Linuron-Degrading Variovorax Strain. Applied and Environmental Microbiology, 2003, 69, 1532-1541.	1.4	237
497	Strain-Specific Ureolytic Microbial Calcium Carbonate Precipitation. Applied and Environmental Microbiology, 2003, 69, 4901-4909.	1.4	408
498	Bioaugmentation as a Tool To Protect the Structure and Function of an Activated-Sludge Microbial Community against a 3-Chloroaniline Shock Load. Applied and Environmental Microbiology, 2003, 69, 1511-1520.	1.4	227
499	Bioaugmenting Bioreactors for the Continuous Removal of 3-Chloroaniline by a Slow Release Approach. Environmental Science & Technology, 2002, 36, 4698-4704.	4.6	84
500	Occurrence of manganese-oxidizing microorganisms and manganese deposition during biofilm formation on stainless steel in a brackish surface water. FEMS Microbiology Ecology, 2002, 39, 41-55.	1.3	32
501	Evaluation of nested PCRÃ¢Â€Â“DGGE (denaturing gradient gel electrophoresis) with group-specific 16S rRNA primers for the analysis of bacterial communities from different wastewater treatment plants. FEMS Microbiology Ecology, 2002, 39, 101-112.	1.3	398
502	Catabolic mobile genetic elements and their potential use in bioaugmentation of polluted soils and waters. FEMS Microbiology Ecology, 2002, 42, 199-208.	1.3	153
503	Occurrence of manganese-oxidizing microorganisms and manganese deposition during biofilm formation on stainless steel in a brackish surface water. FEMS Microbiology Ecology, 2002, 39, 41-55.	1.3	1
504	Genetic Diversity among 3-Chloroaniline- and Aniline-Degrading Strains of the Comamonadaceae. Applied and Environmental Microbiology, 2001, 67, 1107-1115.	1.4	150

#	Article	IF	Citations
505	Monitoring of the evolving diversity of the microbial community present in rotifer cultures. Aquaculture, 2001, 198, 237-252.	1.7	38
506	Microbial sulfate reduction with acetate: process performance and composition of the bacterial communities in the reactor at different salinity levels. Applied Microbiology and Biotechnology, 2001, 55, 787-793.	1.7	30
507	Analysis of the microbial communities on corroded concrete sewer pipes ? a case study. Applied Microbiology and Biotechnology, 2001, 57, 776-785.	1.7	106
508	Bioaugmentation of soils by increasing microbial richness: missing links. Environmental Microbiology, 2001, 3, 649-657.	1.8	158
509	Comparison of the spatial homogeneity of physico-chemical parameters and bacterial 16S rRNA genes in sediment samples from a dumping site for dredging sludge. Applied Microbiology and Biotechnology, 2000, 53, 742-747.	1.7	39
510	Bioaugmentation of Activated Sludge by an Indigenous 3-Chloroaniline-Degrading Comamonas testosteroni Strain, I2 gfp. Applied and Environmental Microbiology, 2000, 66, 2906-2913.	1.4	318
511	Microbial Fuel Cells as an Engineered Ecosystem. , 0, , 307-320.		7