

Nico Boon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

503
papers

31,743
citations

95
h-index

156
g-index

527
ext. papers

36,392
ext. citations

6.8
avg. IF

7.31
L-index

#	Paper	IF	Citations
503	Cupriavidus metallidurans NA4 actively forms polyhydroxybutyrate-associated uranium-phosphate precipitates. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126737	12.8	2
502	Molybdate effectively controls sulphide production in a shrimp pond model. <i>Environmental Research</i> , 2022 , 203, 111797	7.9	1
501	Co-cultivation enhanced microbial protein production based on autotrophic nitrogen-fixing hydrogen-oxidizing bacteria. <i>Chemical Engineering Journal</i> , 2022 , 429, 132535	14.7	3
500	Examining the Potential of Enzyme-Based Detergents to Remove Biofouling from Limestone Heritage. <i>Coatings</i> , 2022 , 12, 375	2.9	
499	Quercetin Mitigates Endothelial Activation in a Novel Intestinal-Endothelial-Monocyte/Macrophage Coculture Setup.. <i>Inflammation</i> , 2022 , 1	5.1	
498	Molecular Mechanisms Underlying Bacterial Uranium Resistance.. <i>Frontiers in Microbiology</i> , 2022 , 13, 822197	5.7	1
497	MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants.. <i>Nature Communications</i> , 2022 , 13, 1908	17.4	10
496	Vertical Farming: The Only Way Is Up?. <i>Agronomy</i> , 2022 , 12, 2	3.6	7
495	Combined HydroSulvoBioleaching Approach toward the Valorization of a Sulfidic Copper Mine Tailing. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 684-693	3.9	0
494	The capabilities of bacteria and archaea to alter natural building stones [A review. <i>International Biodeterioration and Biodegradation</i> , 2021 , 165, 105329	4.8	1
493	A combined culture-independent and simulation reactor approach to assess the microbial community of an operational denitrifying bioreactor treating As-bearing metallurgical wastewater. <i>Bioresource Technology Reports</i> , 2021 , 16, 100870	4.1	0
492	Evaluating the intrinsic capacity of oral bacteria to produce hydrogen peroxide (HO) in liquid cultures: Interference by bacterial growth media. <i>Journal of Microbiological Methods</i> , 2021 , 182, 106170	2.8	1
491	Selective metal extraction by biologically produced siderophores during bioleaching from low-grade primary and secondary mineral resources. <i>Minerals Engineering</i> , 2021 , 163, 106774	4.9	3
490	Bioleaching of metals from secondary materials using glycolipid biosurfactants. <i>Minerals Engineering</i> , 2021 , 163, 106665	4.9	4
489	Safeguarding the microbial water quality from source to tap. <i>Npj Clean Water</i> , 2021 , 4,	11.2	6
488	In vitro and in vivo digestion of red cured cooked meat: oxidation, intestinal microbiota and fecal metabolites. <i>Food Research International</i> , 2021 , 142, 110203	7	7
487	Low microbial biomass within the reproductive tract of mid-lactation dairy cows: A study approach. <i>Journal of Dairy Science</i> , 2021 , 104, 6159-6174	4	2

486	Viability determination of <i>Bacillus sphaericus</i> after encapsulation in hydrogel for self-healing concrete via microcalorimetry and in situ oxygen concentration measurements. <i>Cement and Concrete Composites</i> , 2021 , 119, 104006	8.6	6
485	Genomic Aromatic Compound Degradation Potential of Novel Species: sp. nov., sp. nov. and sp. nov. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
484	Root-Associated Bacterial Community Shifts in Hydroponic Lettuce Cultured with Urine-Derived Fertilizer. <i>Microorganisms</i> , 2021 , 9,	4.9	2
483	Intracellular quercetin accumulation and its impact on mitochondrial dysfunction in intestinal Caco-2 cells. <i>Food Research International</i> , 2021 , 145, 110430	7	2
482	Comparison of the modulatory effects of three structurally similar potential prebiotic substrates on an in vitro multi-species oral biofilm. <i>Scientific Reports</i> , 2021 , 11, 15033	4.9	0
481	Citrate-Mediated Hydrometallurgical Lead Extraction and Integrated Electrochemical Recovery from Zinc Leaching Residue. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9282-9288	8.3	2
480	Selective leaching of copper and zinc from primary ores and secondary mineral residues using biogenic ammonia. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123842	12.8	11
479	Rearing water microbiomes in white leg shrimp (<i>Litopenaeus vannamei</i>) larviculture assemble stochastically and are influenced by the microbiomes of live feed products. <i>Environmental Microbiology</i> , 2021 , 23, 281-298	5.2	6
478	Cytometric fingerprints of gut microbiota predict Crohn's disease state. <i>ISME Journal</i> , 2021 , 15, 354-358	11.9	6
477	Potential prebiotic substrates modulate composition, metabolism, virulence and inflammatory potential of an in vitro multi-species oral biofilm. <i>Journal of Oral Microbiology</i> , 2021 , 13, 1910462	6.3	2
476	Soil microbial community structure and functionality changes in response to long-term metal and radionuclide pollution. <i>Environmental Microbiology</i> , 2021 , 23, 1670-1683	5.2	10
475	A Viability Quantitative PCR Dilemma: Are Longer Amplicons Better?. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0265320	4.8	2
474	Network Analysis Based on Unique Spectral Features Enables an Efficient Selection of Genomically Diverse Operational Isolation Units. <i>Microorganisms</i> , 2021 , 9,	4.9	1
473	PhenoGMM: Gaussian Mixture Modeling of Cytometry Data Quantifies Changes in Microbial Community Structure. <i>MSphere</i> , 2021 , 6,	5	6
472	Treatment with nano-silica and bacteria to restore the reduced bond strength between concrete and repair mortar caused by aggressive removal techniques. <i>Cement and Concrete Composites</i> , 2021 , 120, 104064	8.6	1
471	From Biogas and Hydrogen to Microbial Protein Through Co-Cultivation of Methane and Hydrogen Oxidizing Bacteria. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 733753	5.8	3
470	Predicting the Presence and Abundance of Bacterial Taxa in Environmental Communities through Flow Cytometric Fingerprinting. <i>MSystems</i> , 2021 , 6, e0055121	7.6	1
469	Triangulation of microbial fingerprinting in anaerobic digestion reveals consistent fingerprinting profiles. <i>Water Research</i> , 2021 , 202, 117422	12.5	3

468	Online microbial monitoring of drinking water: How do different techniques respond to contaminations in practice?. <i>Water Research</i> , 2021 , 202, 117387	12.5	2
467	Effective orthophosphate removal from surface water using hydrogen-oxidizing bacteria: Moving towards applicability. <i>Science of the Total Environment</i> , 2021 , 800, 149648	10.2	1
466	In-Depth Observation on the Microbial and Fungal Community Structure of Four Contrasting Tomato Cultivation Systems in Soil Based and Soilless Culture Systems. <i>Frontiers in Plant Science</i> , 2020 , 11, 520834	6.2	2
465	Microbial enrichment, functional characterization and isolation from a cold seep yield piezotolerant obligate hydrocarbon degraders. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	1
464	Differential colonization of microbial communities inhabiting Lede stone in the urban and rural environment. <i>Science of the Total Environment</i> , 2020 , 733, 139339	10.2	9
463	Microbial Protein out of Thin Air: Fixation of Nitrogen Gas by an Autotrophic Hydrogen-Oxidizing Bacterial Enrichment. <i>Environmental Science & Technology</i> , 2020 , 54, 3609-3617	10.3	17
462	Oral biofilms exposure to chlorhexidine results in altered microbial composition and metabolic profile. <i>Npj Biofilms and Microbiomes</i> , 2020 , 6, 13	8.2	27
461	Mainstream partial nitrification/anammox with integrated fixed-film activated sludge: Combined aeration and floc retention time control strategies limit nitrate production. <i>Bioresource Technology</i> , 2020 , 314, 123711	11	19
460	Pioneering on single-sludge nitrification/denitrification at 50°C. <i>Chemosphere</i> , 2020 , 252, 126527	8.4	1
459	Microbial activity in peat-reduced plant growing media: Identifying influential growing medium constituents and physicochemical properties using fractional factorial design of experiments. <i>Journal of Cleaner Production</i> , 2020 , 256, 120323	10.3	14
458	Nitrate amendment to control sulphide accumulation in shrimp ponds. <i>Aquaculture</i> , 2020 , 521, 735010	4.4	4
457	Effect of Applying Struvite and Organic N as Recovered Fertilizers on the Rhizosphere Dynamics and Cultivation of Lupine (). <i>Frontiers in Plant Science</i> , 2020 , 11, 572741	6.2	6
456	Hydrogen oxidizing bacteria are capable of removing orthophosphate to ultra-low concentrations in a fed batch reactor configuration. <i>Bioresource Technology</i> , 2020 , 311, 123494	11	7
455	sp. nov., from a mixed hydrogen-oxidizing bacteria enrichment reactor for microbial protein production. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 530-536	2.2	9
454	Adaptation and characterization of thermophilic anammox in bioreactors. <i>Water Research</i> , 2020 , 172, 115462	12.5	14
453	Discriminating Bacterial Phenotypes at the Population and Single-Cell Level: A Comparison of Flow Cytometry and Raman Spectroscopy Fingerprinting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 713-726	4.6	9
452	Online microbial fingerprinting for quality management of drinking water: Full-scale event detection. <i>Water Research</i> , 2020 , 170, 115353	12.5	20
451	Red and processed meat consumption within two different dietary patterns: Effect on the colon microbial community and volatile metabolites in pigs. <i>Food Research International</i> , 2020 , 129, 108793	7	4

450	Antibiotic affects the gut microbiota composition and expression of genes related to lipid metabolism and myofiber types in skeletal muscle of piglets. <i>BMC Veterinary Research</i> , 2020 , 16, 392	2.7	2
449	Conjoint bioleaching and zinc recovery from an iron oxide mineral residue by a continuous electro dialysis system. <i>Hydrometallurgy</i> , 2020 , 195, 105409	4	8
448	Genomic and enzymatic evidence of acetogenesis by anaerobic methanotrophic archaea. <i>Nature Communications</i> , 2020 , 11, 3941	17.4	7
447	Production of isobutyric acid from methanol by <i>Clostridium luticellarii</i> . <i>Green Chemistry</i> , 2020 , 22, 8389-8402	14.0	9
446	Raman Spectroscopy-Based Measurements of Single-Cell Phenotypic Diversity in Microbial Populations. <i>MSphere</i> , 2020 , 5,	5	6
445	Microbe-Plant Growing Media Interactions Modulate the Effectiveness of Bacterial Amendments on Lettuce Performance Inside a Plant Factory with Artificial Lighting. <i>Agronomy</i> , 2020 , 10, 1456	3.6	14
444	Surface Consolidation of Maastricht Limestone by Means of <i>Bacillus Sphaericus</i> under Varying Treatment Conditions. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020342	3	4
443	Gut Microbiota of Migrating Wild Rabbit Fish (<i>Siganus guttatus</i>) Larvae Have Low Spatial and Temporal Variability. <i>Microbial Ecology</i> , 2020 , 79, 539-551	4.4	6
442	Enrichment of Hydrogen Oxidizing Bacteria from High Temperature and Salinity Environments. <i>Applied and Environmental Microbiology</i> , 2020 ,	4.8	1
441	Enriched hydrogen-oxidizing microbiomes show a high diversity of co-existing hydrogen-oxidizing bacteria. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8241-8253	5.7	12
440	Commensal <i>E. coli</i> rapidly transfer antibiotic resistance genes to human intestinal microbiota in the Mucosal Simulator of the Human Intestinal Microbial Ecosystem (M-SHIME). <i>International Journal of Food Microbiology</i> , 2019 , 311, 108357	5.8	24
439	Urine nitrification with a synthetic microbial community. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 126021	4.2	7
438	C Incorporation as a Tool to Estimate Biomass Yields in Thermophilic and Mesophilic Nitrifying Communities. <i>Frontiers in Microbiology</i> , 2019 , 10, 192	5.7	3
437	Development of antiseptic adaptation and cross-adaptation in selected oral pathogens in vitro. <i>Scientific Reports</i> , 2019 , 9, 8326	4.9	25
436	Learning Single-Cell Distances from Cytometry Data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 782-791	4.6	3
435	Plant species identity and soil characteristics determine rhizosphere soil bacteria community composition in European temperate forests. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	8
434	Determining stoichiometry and kinetics of two thermophilic nitrifying communities as a crucial step in the development of thermophilic nitrogen removal. <i>Water Research</i> , 2019 , 156, 34-45	12.5	7
433	Gene Expansion and Positive Selection as Bacterial Adaptations to Oligotrophic Conditions. <i>MSphere</i> , 2019 , 4,	5	13

432	Coculturing Bacteria Leads to Reduced Phenotypic Heterogeneities. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	22
431	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	4.2	1
430	Organic Matter and Microbial Cell Density Behavior during Ion Exchange Demineralization of Surface Water for Boiler Feedwater. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14368-14379	3.9	4
429	Tomato plants rather than fertilizers drive microbial community structure in horticultural growing media. <i>Scientific Reports</i> , 2019 , 9, 9561	4.9	19
428	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. <i>Astrobiology</i> , 2019 , 19, 1167-1176	3.7	5
427	Complementing urea hydrolysis and nitrate reduction for improved microbially induced calcium carbonate precipitation. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8825-8838	5.7	9
426	Media Optimization, Strain Compatibility, and Low-Shear Modeled Microgravity Exposure of Synthetic Microbial Communities for Urine Nitrification in Regenerative Life-Support Systems. <i>Astrobiology</i> , 2019 , 19, 1353-1362	3.7	5
425	Randomized Lasso Links Microbial Taxa with Aquatic Functional Groups Inferred from Flow Cytometry. <i>MSystems</i> , 2019 , 4,	7.6	10
424	Combined Consumption of Beef-Based Cooked Mince and Sucrose Stimulates Oxidative Stress, Cardiac Hypertrophy, and Colonic Outgrowth of Desulfovibrionaceae in Rats. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800962	5.9	12
423	Reduced TCA cycle rates at high hydrostatic pressure hinder hydrocarbon degradation and obligate oil degraders in natural, deep-sea microbial communities. <i>ISME Journal</i> , 2019 , 13, 1004-1018	11.9	10
422	Characterization of spoilage markers in modified atmosphere packaged iceberg lettuce. <i>International Journal of Food Microbiology</i> , 2018 , 279, 1-13	5.8	21
421	The Urgent Need to Re-engineer Nitrogen-Efficient Food Production for the Planet 2018 , 35-69		12
420	Oral prebiotics and the influence of environmental conditions in vitro. <i>Journal of Periodontology</i> , 2018 , 89, 708-717	4.6	17
419	Dysbiotic Biofilms Deregulate the Periodontal Inflammatory Response. <i>Journal of Dental Research</i> , 2018 , 97, 547-555	8.1	45
418	Isotope Fractionation in Biogas Allows Direct Microbial Community Stability Monitoring in Anaerobic Digestion. <i>Environmental Science & Technology</i> , 2018 , 52, 6704-6713	10.3	13
417	Initial evenness determines diversity and cell density dynamics in synthetic microbial ecosystems. <i>Scientific Reports</i> , 2018 , 8, 340	4.9	9
416	Plant and soil microbe responses to light, warming and nitrogen addition in a temperate forest. <i>Functional Ecology</i> , 2018 , 32, 1293-1303	5.6	23
415	Flow cytometric fingerprinting for microbial strain discrimination and physiological characterization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 201-212	4.6	26

414	Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. <i>Applied Clay Science</i> , 2018 , 160, 206-216	5.2	11
413	Pinpointing wastewater and process parameters controlling the AOB to NOB activity ratio in sewage treatment plants. <i>Water Research</i> , 2018 , 138, 37-46	12.5	21
412	Biofiltration of hexane, acetone and dimethyl sulphide using wood, compost and silicone foam. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 2234-2243	3.5	12
411	The Ability of Basalt to Leach Nutrients and Support Growth of <i>Cupriavidus metallidurans</i> CH34 Depends on Basalt Composition and Element Release. <i>Geomicrobiology Journal</i> , 2018 , 35, 438-446	2.5	2
410	Clinical concentrations of peroxidases cause dysbiosis in in vitro oral biofilms. <i>Journal of Periodontal Research</i> , 2018 , 53, 457-466	4.3	6
409	Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (<i>Gadus morhua</i>) stored under modified atmospheres. <i>Food Microbiology</i> , 2018 , 70, 232-244	6	58
408	Flow cytometric monitoring of bacterioplankton phenotypic diversity predicts high population-specific feeding rates by invasive dreissenid mussels. <i>Environmental Microbiology</i> , 2018 , 20, 521-534	5.2	19
407	Microbial community dynamics reflect reactor stability during the anaerobic digestion of a very high strength and sulfate-rich vinasse. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 975-984	3.5	9
406	Detection of microbial disturbances in a drinking water microbial community through continuous acquisition and advanced analysis of flow cytometry data. <i>Water Research</i> , 2018 , 145, 73-82	12.5	18
405	Individual-Based Modelling of Invasion in Bioaugmented Sand Filter Communities. <i>Processes</i> , 2018 , 6, 2	2.9	3
404	High-resolution mapping and modeling of anammox recovery from recurrent oxygen exposure. <i>Water Research</i> , 2018 , 144, 522-531	12.5	27
403	Taking the technical microbiome into the next decade. <i>Environmental Microbiology</i> , 2018 , 20, 1991-2000	5.2	12
402	A chitosan based pH-responsive hydrogel for encapsulation of bacteria for self-sealing concrete. <i>Cement and Concrete Composites</i> , 2018 , 93, 309-322	8.6	28
401	Temperature impact on sludge yield, settleability and kinetics of three heterotrophic conversions corroborates the prospect of thermophilic biological nitrogen removal. <i>Bioresource Technology</i> , 2018 , 269, 104-112	11	15
400	Decoupling Livestock from Land Use through Industrial Feed Production Pathways. <i>Environmental Science & Technology</i> , 2018 , 52, 7351-7359	10.3	76
399	Characterization of Cefotaxime- and Ciprofloxacin-Resistant Commensal <i>Escherichia coli</i> Originating from Belgian Farm Animals Indicates High Antibiotic Resistance Transfer Rates. <i>Microbial Drug Resistance</i> , 2018 , 24, 707-717	2.9	14
398	Drinking water bacterial communities exhibit specific and selective necrotrophic growth. <i>Npj Clean Water</i> , 2018 , 1,	11.2	9
397	Volume Fraction, Thickness, and Permeability of the Sealing Layer in Microbial Self-Healing Concrete Containing Biogranules. <i>Frontiers in Built Environment</i> , 2018 , 4,	2.2	13

396	Metabolic and Proteomic Responses to Salinity in Synthetic Nitrifying Communities of spp. and spp. <i>Frontiers in Microbiology</i> , 2018 , 9, 2914	5.7	6
395	Characterization of the bacterial communities on recent Icelandic volcanic deposits of different ages. <i>BMC Microbiology</i> , 2018 , 18, 122	4.5	6
394	Nitrite producing bacteria inhibit reinforcement bar corrosion in cementitious materials. <i>Scientific Reports</i> , 2018 , 8, 14092	4.9	18
393	Online flow cytometric monitoring of microbial water quality in a full-scale water treatment plant. <i>Npj Clean Water</i> , 2018 , 1,	11.2	31
392	Synergistic Exposure of Return-Sludge to Anaerobic Starvation, Sulfide, and Free Ammonia to Suppress Nitrite Oxidizing Bacteria. <i>Environmental Science & Technology</i> , 2018 , 52, 8725-8732	10.3	33
391	Photosynthetic oxygenation for urine nitrification. <i>Water Science and Technology</i> , 2018 , 78, 183-194	2.2	6
390	Label-free Raman characterization of bacteria calls for standardized procedures. <i>Journal of Microbiological Methods</i> , 2018 , 151, 69-75	2.8	24
389	Flow cytometry for immediate follow-up of drinking water networks after maintenance. <i>Water Research</i> , 2017 , 111, 66-73	12.5	22
388	Nutritional stimulation of commensal oral bacteria suppresses pathogens: the prebiotic concept. <i>Journal of Clinical Periodontology</i> , 2017 , 44, 344-352	7.7	33
387	Flow cytometric bacterial cell counts challenge conventional heterotrophic plate counts for routine microbiological drinking water monitoring. <i>Water Research</i> , 2017 , 113, 191-206	12.5	134
386	Contrasting dual (C, Cl) isotope fractionation offers potential to distinguish reductive chloroethene transformation from breakdown by permanganate. <i>Science of the Total Environment</i> , 2017 , 596-597, 169-177	10.2	15
385	Microbial carbonate precipitation for the improvement of quality of recycled aggregates. <i>Journal of Cleaner Production</i> , 2017 , 156, 355-366	10.3	96
384	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. <i>Trends in Biotechnology</i> , 2017 , 35, 860-870	15.1	97
383	Nitrogen cycling in Bioregenerative Life Support Systems: Challenges for waste refinery and food production processes. <i>Progress in Aerospace Sciences</i> , 2017 , 91, 87-98	8.8	41
382	Necrotrophic growth of periodontopathogens is a novel virulence factor in oral biofilms. <i>Scientific Reports</i> , 2017 , 7, 1107	4.9	16
381	Impact of air entraining admixtures on biogenic calcium carbonate precipitation and bacterial viability. <i>Cement and Concrete Research</i> , 2017 , 98, 44-49	10.3	42
380	Self-healing capacity of deep-sea ecosystems affected by petroleum hydrocarbons: Understanding microbial oil degradation at hydrocarbon seeps is key to sustainable bioremediation protocols. <i>EMBO Reports</i> , 2017 , 18, 868-872	6.5	7
379	<i>Bacillus sphaericus</i> LMG 22257 is physiologically suitable for self-healing concrete. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5101-5114	5.7	50

378	Microalgal bacterial flocs treating paper mill effluent: A sunlight-based approach for removing carbon, nitrogen, phosphorus, and calcium. <i>New Biotechnology</i> , 2017 , 39, 1-10	6.4	4
377	Microbial community redundancy in anaerobic digestion drives process recovery after salinity exposure. <i>Water Research</i> , 2017 , 111, 109-117	12.5	61
376	Effect of Operational Parameters in the Continuous Anaerobic Fermentation of Cheese Whey on Titters, Yields, Productivities, and Microbial Community Structures. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1400-1407	8.3	43
375	Kinetic exploration of intracellular nitrate storage in marine microalgae. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 1303-1317	13.3	37
374	Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. <i>Scientific Reports</i> , 2017 , 7, 11450	4.9	203
373	Development of a reliable experimental set-up for Dover sole larvae <i>Solea solea</i> L. and exploring the possibility of implementing this housing system in a gnotobiotic model. <i>Research in Veterinary Science</i> , 2017 , 115, 418-424	2.5	4
372	Stripping flow cytometry: How many detectors do we need for bacterial identification?. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017 , 91, 1184-1191	4.6	10
371	Ureolytic Activity and Its Regulation in <i>Vibrio campbellii</i> and <i>Vibrio harveyi</i> in Relation to Nitrogen Recovery from Human Urine. <i>Environmental Science & Technology</i> , 2017 , 51, 13335-13343	10.3	7
370	Efficient molasses fermentation under high salinity by inocula of marine and terrestrial origin. <i>Biotechnology for Biofuels</i> , 2017 , 10, 23	7.8	14
369	Absolute quantification of microbial taxon abundances. <i>ISME Journal</i> , 2017 , 11, 584-587	11.9	169
368	Impact of bio-palladium nanoparticles (bio-Pd NPs) on the activity and structure of a marine microbial community. <i>Environmental Pollution</i> , 2017 , 220, 1068-1078	9.3	17
367	Reconciliation between operational taxonomic units and species boundaries. <i>FEMS Microbiology Ecology</i> , 2017 , 93,	4.3	40
366	Increased Respiratory Activity of Selected Oral Bacteria May Explain Competitive and Collaborative Interactions in the Oral Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 235	5.9	7
365	The Impact of Space Flight on Survival and Interaction of CH34 with Basalt, a Volcanic Moon Analog Rock. <i>Frontiers in Microbiology</i> , 2017 , 8, 671	5.7	14
364	Laboratory-Scale Simulation and Real-Time Tracking of a Microbial Contamination Event and Subsequent Shock-Chlorination in Drinking Water. <i>Frontiers in Microbiology</i> , 2017 , 8, 1900	5.7	23
363	Biological Recovery of Platinum Complexes from Diluted Aqueous Streams by Axenic Cultures. <i>PLoS ONE</i> , 2017 , 12, e0169093	3.7	17
362	Flow Cytometric Single-Cell Identification of Populations in Synthetic Bacterial Communities. <i>PLoS ONE</i> , 2017 , 12, e0169754	3.7	24
361	Microbial oil-degradation under mild hydrostatic pressure (10 MPa): which pathways are impacted in piezosensitive hydrocarbonoclastic bacteria?. <i>Scientific Reports</i> , 2016 , 6, 23526	4.9	36

360	An impaired metabolic response to hydrostatic pressure explains <i>Alcanivorax borkumensis</i> recorded distribution in the deep marine water column. <i>Scientific Reports</i> , 2016 , 6, 31316	4.9	27
359	Mineral and organic growing media have distinct community structure, stability and functionality in soilless culture systems. <i>Scientific Reports</i> , 2016 , 6, 18837	4.9	40
358	Flow cytometric examination of bacterial growth in a local drinking water network. <i>Water and Environment Journal</i> , 2016 , 30, 167-176	1.7	9
357	Autotrophic nitrogen assimilation and carbon capture for microbial protein production by a novel enrichment of hydrogen-oxidizing bacteria. <i>Water Research</i> , 2016 , 101, 137-146	12.5	76
356	Measuring the biodiversity of microbial communities by flow cytometry. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 1376-1385	7.7	100
355	Microalgal bacterial flocs originating from aquaculture wastewater treatment as diet ingredient for <i>Litopenaeus vannamei</i> (Boone). <i>Aquaculture Research</i> , 2016 , 47, 1075-1089	1.9	28
354	Germ-free sea bass <i>Dicentrarchus labrax</i> larval model: a valuable tool in the study of host-microbe interactions. <i>Diseases of Aquatic Organisms</i> , 2016 , 117, 177-85	1.7	15
353	Empowering a mesophilic inoculum for thermophilic nitrification: Growth mode and temperature pattern as critical proliferation factors for archaeal ammonia oxidizers. <i>Water Research</i> , 2016 , 92, 94-103 ^{12.5}	12.5	15
352	Nitrate reducing CaCO ₃ precipitating bacteria survive in mortar and inhibit steel corrosion. <i>Cement and Concrete Research</i> , 2016 , 83, 19-30	10.3	63
351	A robust nitrifying community in a bioreactor at 50 °C opens up the path for thermophilic nitrogen removal. <i>ISME Journal</i> , 2016 , 10, 2293-303	11.9	22
350	Platinum Recovery from Synthetic Extreme Environments by Halophilic Bacteria. <i>Environmental Science & Technology</i> , 2016 , 50, 2619-26	10.3	25
349	Antimicrobial effects of commensal oral species are regulated by environmental factors. <i>Journal of Dentistry</i> , 2016 , 47, 23-33	4.8	60
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2	Measuring phenotypic heterogeneity in isogenic bacterial populations using flow cytometry and Raman spectroscopy		1
1	PhenoGMM: Gaussian mixture modelling of microbial cytometry data enables efficient predictions of biodiversity		1

