

# Nico Boon

## List of Publications by Year in descending order

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511  
papers

40,536  
citations

1370

108  
h-index

4223

174  
g-index

529  
all docs

529  
docs citations

529  
times ranked

33804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuel Cells Select for Microbial Consortia That Self-Mediate Electron Transfer. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5373-5382.	1.4	1,090
2	Microbial Phenazine Production Enhances Electron Transfer in Biofuel Cells. <i>Environmental Science &amp; Technology</i> , 2005, 39, 3401-3408.	4.6	859
3	Initial community evenness favours functionality under selective stress. <i>Nature</i> , 2009, 458, 623-626.	13.7	845
4	Continuous Electricity Generation at High Voltages and Currents Using Stacked Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3388-3394.	4.6	775
5	Biological Denitrification in Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3354-3360.	4.6	739
6	Methanosarcina: The rediscovered methanogen for heavy duty biomethanation. <i>Bioresource Technology</i> , 2012, 112, 1-9.	4.8	661
7	Environmental factors shaping the ecological niches of ammonia-oxidizing archaea. <i>FEMS Microbiology Reviews</i> , 2009, 33, 855-869.	3.9	605
8	Chemical and biological technologies for hydrogen sulfide emission control in sewer systems: A review. <i>Water Research</i> , 2008, 42, 1-12.	5.3	596
9	The basics of bio-flocs technology: The added value for aquaculture. <i>Aquaculture</i> , 2008, 277, 125-137.	1.7	580
10	How to get more out of molecular fingerprints: practical tools for microbial ecology. <i>Environmental Microbiology</i> , 2008, 10, 1571-1581.	1.8	438
11	Strain-Specific Ureolytic Microbial Calcium Carbonate Precipitation. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4901-4909.	1.4	408
12	Evaluation of nested PCR-DGGE (denaturing gradient gel electrophoresis) with group-specific 16S rRNA primers for the analysis of bacterial communities from different wastewater treatment plants. <i>FEMS Microbiology Ecology</i> , 2002, 39, 101-112.	1.3	398
13	Microbial Fuel Cells for Sulfide Removal. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5218-5224.	4.6	366
14	Open Air Biocathode Enables Effective Electricity Generation with Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2007, 41, 7564-7569.	4.6	359
15	Lactic acid bacteria as reducing and capping agent for the fast and efficient production of silver nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 741-749.	1.7	342
16	Microbial Fuel Cells in Relation to Conventional Anaerobic Digestion Technology. <i>Engineering in Life Sciences</i> , 2006, 6, 285-292.	2.0	337
17	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.	1.6	324
18	Bioaugmentation of Activated Sludge by an Indigenous 3-Chloroaniline-Degrading <i>Comamonas testosteroni</i> Strain, <i>12 gfp</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 2906-2913.	1.4	318

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19	Aggregate Size and Architecture Determine Microbial Activity Balance for One-Stage Partial Nitrification and Anammox. <i>Applied and Environmental Microbiology</i> , 2010, 76, 900-909.	1.4	318
20	Loading rate and external resistance control the electricity generation of microbial fuel cells with different three-dimensional anodes. <i>Bioresource Technology</i> , 2008, 99, 8895-8902.	4.8	308
21	Alternatives to antibiotics to control bacterial infections: luminescent vibriosis in aquaculture as an example. <i>Trends in Biotechnology</i> , 2007, 25, 472-479.	4.9	304
22	Flue gas compounds and microalgae: (Bio-)chemical interactions leading to biotechnological opportunities. <i>Biotechnology Advances</i> , 2012, 30, 1405-1424.	6.0	283
23	Microbial Fuel Cells Generating Electricity from Rhizodeposits of Rice Plants. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3053-3058.	4.6	281
24	Ammonia and temperature determine potential clustering in the anaerobic digestion microbiome. <i>Water Research</i> , 2015, 75, 312-323.	5.3	276
25	Is biological treatment a viable alternative for micropollutant removal in drinking water treatment processes?. <i>Water Research</i> , 2013, 47, 5955-5976.	5.3	275
26	Absolute quantification of microbial taxon abundances. <i>ISME Journal</i> , 2017, 11, 584-587.	4.4	273
27	Metabolites produced by <i>Pseudomonas</i> sp. enable a Gram-positive bacterium to achieve extracellular electron transfer. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1119-1129.	1.7	272
28	Inulin-type fructans of longer degree of polymerization exert more pronounced in vitro prebiotic effects. <i>Journal of Applied Microbiology</i> , 2007, 102, 452-60.	1.4	251
29	Cultivation of Denitrifying Bacteria: Optimization of Isolation Conditions and Diversity Study. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2637-2643.	1.4	248
30	Probiotics in aquaculture of China – Current state, problems and prospect. <i>Aquaculture</i> , 2009, 290, 15-21.	1.7	246
31	Synergistic Degradation of Linuron by a Bacterial Consortium and Isolation of a Single Linuron-Degrading <i>Variovorax</i> Strain. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1532-1541.	1.4	237
32	Bioaugmentation as a Tool To Protect the Structure and Function of an Activated-Sludge Microbial Community against a 3-Chloroaniline Shock Load. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1511-1520.	1.4	227
33	Microbial protein: future sustainable food supply route with low environmental footprint. <i>Microbial Biotechnology</i> , 2016, 9, 568-575.	2.0	227
34	Disruption of bacterial quorum sensing: an unexplored strategy to fight infections in aquaculture. <i>Aquaculture</i> , 2004, 240, 69-88.	1.7	226
35	Overnight stagnation of drinking water in household taps induces microbial growth and changes in community composition. <i>Water Research</i> , 2010, 44, 4868-4877.	5.3	226
36	Conceptualizing functional traits and ecological characteristics of methane-oxidizing bacteria as life strategies. <i>Environmental Microbiology Reports</i> , 2013, 5, 335-345.	1.0	225

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37	Synthetic microbial ecosystems: an exciting tool to understand and apply microbial communities. <i>Environmental Microbiology</i> , 2014, 16, 1472-1481.	1.8	222
38	Past, present and future applications of flow cytometry in aquatic microbiology. <i>Trends in Biotechnology</i> , 2010, 28, 416-424.	4.9	220
39	Biodegradation: Updating the Concepts of Control for Microbial Cleanup in Contaminated Aquifers. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7073-7081.	4.6	211
40	Biogenic metals in advanced water treatment. <i>Trends in Biotechnology</i> , 2009, 27, 90-98.	4.9	203
41	The incidence of nirS and nirK and their genetic heterogeneity in cultivated denitrifiers. <i>Environmental Microbiology</i> , 2006, 8, 2012-2021.	1.8	201
42	The use of microalgae as a high-value organic slow-release fertilizer results in tomatoes with increased carotenoid and sugar levels. <i>Journal of Applied Phycology</i> , 2016, 28, 2367-2377.	1.5	199
43	Isolation and characterisation of an equol-producing mixed microbial culture from a human faecal sample and its activity under gastrointestinal conditions. <i>Archives of Microbiology</i> , 2005, 183, 45-55.	1.0	198
44	Biologically produced nanosilver: Current state and future perspectives. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2422-2436.	1.7	196
45	Flow cytometric bacterial cell counts challenge conventional heterotrophic plate counts for routine microbiological drinking water monitoring. <i>Water Research</i> , 2017, 113, 191-206.	5.3	194
46	Can Bacteria Evolve Resistance to Quorum Sensing Disruption?. <i>PLoS Pathogens</i> , 2010, 6, e1000989.	2.1	192
47	Microbial fuel cells operating on mixed fatty acids. <i>Bioresource Technology</i> , 2010, 101, 1233-1238.	4.8	188
48	Electrochemical Resource Recovery from Digestate to Prevent Ammonia Toxicity during Anaerobic Digestion. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12209-12216.	4.6	185
49	Abundance and composition of indigenous bacterial communities in a multi-step biofiltration-based drinking water treatment plant. <i>Water Research</i> , 2014, 62, 40-52.	5.3	179
50	Real-time PCR assay for the simultaneous quantification of nitrifying and denitrifying bacteria in activated sludge. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 211-221.	1.7	178
51	Quantifying Community Dynamics of Nitrifiers in Functionally Stable Reactors. <i>Applied and Environmental Microbiology</i> , 2008, 74, 286-293.	1.4	176
52	Screening of bacteria and concrete compatible protection materials. <i>Construction and Building Materials</i> , 2015, 88, 196-203.	3.2	176
53	Diversity of <i>Bacillus cereus</i> group strains is reflected in their broad range of pathogenicity and diverse ecological lifestyles. <i>FEMS Microbiology Ecology</i> , 2013, 84, 433-450.	1.3	173
54	Isolation and characterization of low nucleic acid (LNA)-content bacteria. <i>ISME Journal</i> , 2009, 3, 889-902.	4.4	169

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55	One-stage partial nitrification/anammox at 15°C on pretreated sewage: feasibility demonstration at lab-scale. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10199-10210.	1.7	168
56	Prebiotic effects of chicory inulin in the simulator of the human intestinal microbial ecosystem. <i>FEMS Microbiology Ecology</i> , 2004, 51, 143-153.	1.3	165
57	Microbial carbonate precipitation for the improvement of quality of recycled aggregates. <i>Journal of Cleaner Production</i> , 2017, 156, 355-366.	4.6	165
58	Butyric acid-producing anaerobic bacteria as a novel probiotic treatment approach for inflammatory bowel disease. <i>Journal of Medical Microbiology</i> , 2010, 59, 141-143.	0.7	164
59	Anaerobic digestibility of <i>Scenedesmus obliquus</i> and <i>Phaeodactylum tricornutum</i> under mesophilic and thermophilic conditions. <i>Applied Energy</i> , 2012, 92, 733-738.	5.1	162
60	Measuring the biodiversity of microbial communities by flow cytometry. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1376-1385.	2.2	161
61	Nitrogen Removal from Digested Black Water by One-Stage Partial Nitrification and Anammox. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5035-5041.	4.6	160
62	Methanotrophic archaea possessing diverging methane-oxidizing and electron-transporting pathways. <i>ISME Journal</i> , 2014, 8, 1069-1078.	4.4	160
63	Autotrophic Denitrification in Microbial Fuel Cells Treating Low Ionic Strength Waters. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2309-2315.	4.6	159
64	Bioaugmentation of soils by increasing microbial richness: missing links. <i>Environmental Microbiology</i> , 2001, 3, 649-657.	1.8	158
65	Degradation of acetaminophen by <i>Delftia tsuruhatensis</i> and <i>Pseudomonas aeruginosa</i> in a membrane bioreactor. <i>Water Research</i> , 2011, 45, 1829-1837.	5.3	158
66	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. <i>Trends in Biotechnology</i> , 2017, 35, 860-870.	4.9	158
67	A completely anoxic microbial fuel cell using a photo-biocathode for cathodic carbon dioxide reduction. <i>Energy and Environmental Science</i> , 2009, 2, 498.	15.6	155
68	Poly- $\beta$ -hydroxybutyrate (PHB) increases growth performance and intestinal bacterial range-weighted richness in juvenile European sea bass, <i>Dicentrarchus labrax</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1535-1541.	1.7	155
69	Quorum sensing and quorum quenching in <i>Vibrio harveyi</i> : lessons learned from <i>in vivo</i> work. <i>ISME Journal</i> , 2008, 2, 19-26.	4.4	154
70	The antibacterial activity of biogenic silver and its mode of action. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 153-162.	1.7	154
71	Catabolic mobile genetic elements and their potential use in bioaugmentation of polluted soils and waters. <i>FEMS Microbiology Ecology</i> , 2002, 42, 199-208.	1.3	153
72	Denitrification is a common feature among members of the genus <i>Bacillus</i> . <i>Systematic and Applied Microbiology</i> , 2011, 34, 385-391.	1.2	153

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73	A microbiology-based multi-parametric approach towards assessing biological stability in drinking water distribution networks. <i>Water Research</i> , 2013, 47, 3015-3025.	5.3	153
74	Genetic Diversity among 3-Chloroaniline- and Aniline-Degrading Strains of the Comamonadaceae. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1107-1115.	1.4	150
75	The bacterial storage compound poly- $\gamma$ -hydroxybutyrate protects <i>Artemia franciscana</i> from pathogenic <i>Vibrio campbellii</i> . <i>Environmental Microbiology</i> , 2007, 9, 445-452.	1.8	150
76	Chronic cigarette smoke exposure induces microbial and inflammatory shifts and mucin changes in the murine gut. <i>Environmental Microbiology</i> , 2016, 18, 1352-1363.	1.8	149
77	Microbially induced CaCO <sub>3</sub> precipitation through denitrification: An optimization study in minimal nutrient environment. <i>Biochemical Engineering Journal</i> , 2015, 101, 108-118.	1.8	148
78	Application of microorganisms in concrete: a promising sustainable strategy to improve concrete durability. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2993-3007.	1.7	146
79	Short-chain fatty acids and poly- $\beta$ -hydroxyalkanoates: (New) Biocontrol agents for a sustainable animal production. <i>Biotechnology Advances</i> , 2009, 27, 680-685.	6.0	145
80	Application of modified-alginate encapsulated carbonate producing bacteria in concrete: a promising strategy for crack self-healing. <i>Frontiers in Microbiology</i> , 2015, 6, 1088.	1.5	144
81	Strategies of aerobic ammonia-oxidizing bacteria for coping with nutrient and oxygen fluctuations. <i>FEMS Microbiology Ecology</i> , 2006, 58, 1-13.	1.3	143
82	Biogenic Silver for Disinfection of Water Contaminated with Viruses. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1082-1087.	1.4	142
83	Diclofenac Oxidation by Biogenic Manganese Oxides. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3449-3454.	4.6	141
84	Production of polyhydroxyalkanoates in open, mixed cultures from a waste sludge stream containing high levels of soluble organics, nitrogen and phosphorus. <i>Water Research</i> , 2010, 44, 5196-5211.	5.3	138
85	Enhanced crack closure performance of microbial mortar through nitrate reduction. <i>Cement and Concrete Composites</i> , 2016, 70, 159-170.	4.6	138
86	Bacterial community structure corresponds to performance during cathodic nitrate reduction. <i>ISME Journal</i> , 2010, 4, 1443-1455.	4.4	137
87	Strategies to mitigate N <sub>2</sub> O emissions from biological nitrogen removal systems. <i>Current Opinion in Biotechnology</i> , 2012, 23, 474-482.	3.3	133
88	Biomass retention on electrodes rather than electrical current enhances stability in anaerobic digestion. <i>Water Research</i> , 2014, 54, 211-221.	5.3	133
89	The more, the merrier: heterotroph richness stimulates methanotrophic activity. <i>ISME Journal</i> , 2014, 8, 1945-1948.	4.4	132
90	Bio- $\epsilon$ -palladium: from metal recovery to catalytic applications. <i>Microbial Biotechnology</i> , 2012, 5, 5-17.	2.0	131

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91	Butyricoccus pullicaecorum, a butyrate producer with probiotic potential, is intrinsically tolerant to stomach and small intestine conditions. <i>Anaerobe</i> , 2014, 30, 70-74.	1.0	131
92	Quantification of the Filterability of Freshwater Bacteria through 0.45, 0.22, and 0.1 $\mu$ m Pore Size Filters and Shape-Dependent Enrichment of Filterable Bacterial Communities. <i>Environmental Science &amp; Technology</i> , 2007, 41, 7080-7086.	4.6	130
93	Toward energy-neutral wastewater treatment: A high-rate contact stabilization process to maximally recover sewage organics. <i>Bioresource Technology</i> , 2015, 179, 373-381.	4.8	130
94	Environmental conditions and community evenness determine the outcome of biological invasion. <i>Nature Communications</i> , 2013, 4, 1383.	5.8	129
95	Use of <i>Pseudomonas</i> species producing phenazine-based metabolites in the anodes of microbial fuel cells to improve electricity generation. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 985-993.	1.7	128
96	High shear enrichment improves the performance of the anodophilic microbial consortium in a microbial fuel cell. <i>Microbial Biotechnology</i> , 2008, 1, 487-496.	2.0	128
97	Microbial Resource Management: The Road To Go for Environmental Biotechnology. <i>Engineering in Life Sciences</i> , 2007, 7, 117-126.	2.0	125
98	Inoculum selection is crucial to ensure operational stability in anaerobic digestion. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 189-199.	1.7	125
99	Decoupling Livestock from Land Use through Industrial Feed Production Pathways. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7351-7359.	4.6	124
100	Routine bacterial analysis with automated flow cytometry. <i>Journal of Microbiological Methods</i> , 2013, 94, 73-76.	0.7	123
101	Microbiology and immunology of fish larvae. <i>Reviews in Aquaculture</i> , 2013, 5, S1.	4.6	122
102	Nitrate reducing CaCO <sub>3</sub> precipitating bacteria survive in mortar and inhibit steel corrosion. <i>Cement and Concrete Research</i> , 2016, 83, 19-30.	4.6	122
103	Biological control of the size and reactivity of catalytic Pd(0) produced by <i>Shewanella oneidensis</i> . <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 377-389.	0.7	121
104	Accumulation of <i>trans</i> -C <sub>18:1</sub> Fatty Acids in the Rumen after Dietary Algal Supplementation Is Associated with Changes in the <i>Butyrivibrio</i> Community. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6923-6930.	1.4	121
105	Bioflocculation of microalgae and bacteria combined with flue gas to improve sewage treatment. <i>New Biotechnology</i> , 2011, 29, 23-31.	2.4	121
106	Up-scaling aquaculture wastewater treatment by microalgal bacterial flocs: From lab reactors to an outdoor raceway pond. <i>Bioresource Technology</i> , 2014, 159, 342-354.	4.8	120
107	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.	5.3	116
108	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.	5.8	114

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109	Microbial Community Analysis of Anodes from Sediment Microbial Fuel Cells Powered by Rhizodeposits of Living Rice Plants. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2002-2008.	1.4	113
110	Decreased colonization of fecal <i>Clostridium coccoides</i> / <i>Eubacterium rectale</i> species from ulcerative colitis patients in an in vitro dynamic gut model with mucin environment. <i>FEMS Microbiology Ecology</i> , 2012, 79, 685-696.	1.3	111
111	Biotechnologies for critical raw material recovery from primary and secondary sources: R&D priorities and future perspectives. <i>New Biotechnology</i> , 2015, 32, 121-127.	2.4	111
112	Microbial community redundancy in anaerobic digestion drives process recovery after salinity exposure. <i>Water Research</i> , 2017, 111, 109-117.	5.3	111
113	Outlook for benefits of sediment microbial fuel cells with two bioelectrodes. <i>Microbial Biotechnology</i> , 2008, 1, 446-462.	2.0	110
114	Enhanced removal of 1,2-dichloroethane by anodophilic microbial consortia. <i>Water Research</i> , 2009, 43, 2936-2946.	5.3	110
115	Flow cytometry for fast microbial community fingerprinting. <i>Water Research</i> , 2012, 46, 907-919.	5.3	110
116	Biofilm-Grown <i>Burkholderia cepacia</i> Complex Cells Survive Antibiotic Treatment by Avoiding Production of Reactive Oxygen Species. <i>PLoS ONE</i> , 2013, 8, e58943.	1.1	110
117	<i>Bacillus sphaericus</i> LMG 22257 is physiologically suitable for self-healing concrete. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5101-5114.	1.7	109
118	Greenhouse gas emissions from rice microcosms amended with a plant microbial fuel cell. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3205-3217.	1.7	108
119	Virus disinfection in water by biogenic silver immobilized in polyvinylidene fluoride membranes. <i>Water Research</i> , 2011, 45, 1856-1864.	5.3	107
120	Analysis of the microbial communities on corroded concrete sewer pipes ? a case study. <i>Applied Microbiology and Biotechnology</i> , 2001, 57, 776-785.	1.7	106
121	Influence of strain-specific parameters on hydrothermal liquefaction of microalgae. <i>Bioresource Technology</i> , 2013, 146, 463-471.	4.8	106
122	Regulation of toxin production by <i>Bacillus cereus</i> and its food safety implications. <i>Critical Reviews in Microbiology</i> , 2011, 37, 188-213.	2.7	104
123	Microbial Odor Profile of Polyester and Cotton Clothes after a Fitness Session. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6611-6619.	1.4	102
124	Necrotrophic Growth of <i>Legionella pneumophila</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 4323-4328.	1.4	101
125	A conceptual framework for invasion in microbial communities. <i>ISME Journal</i> , 2016, 10, 2773-2779.	4.4	100
126	$17\beta$ -ethinylestradiol cometabolism by bacteria degrading estrone, $17\beta$ -estradiol and estriol. <i>Biodegradation</i> , 2008, 19, 683-693.	1.5	99



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127	Biogenic metals for the oxidative and reductive removal of pharmaceuticals, biocides and iodinated contrast media in a polishing membrane bioreactor. <i>Water Research</i> , 2011, 45, 1763-1773.	5.3	99
128	Biosupported Bimetallic Pd-Au Nanocatalysts for Dechlorination of Environmental Contaminants. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8506-8513.	4.6	99
129	Repeated pulse feeding induces functional stability in anaerobic digestion. <i>Microbial Biotechnology</i> , 2013, 6, 414-424.	2.0	98
130	Biological removal of 17 $\beta$ -ethinylestradiol by a nitrifier enrichment culture in a membrane bioreactor. <i>Water Research</i> , 2009, 43, 2493-2503.	5.3	97
131	Biotic Interactions in Microbial Communities as Modulators of Biogeochemical Processes: Methanotrophy as a Model System. <i>Frontiers in Microbiology</i> , 2016, 7, 1285.	1.5	95
132	Antimicrobial effects of commensal oral species are regulated by environmental factors. <i>Journal of Dentistry</i> , 2016, 47, 23-33.	1.7	93
133	Resource recovery from used water: The manufacturing abilities of hydrogen-oxidizing bacteria. <i>Water Research</i> , 2015, 68, 467-478.	5.3	92
134	Correlations between molecular and operational parameters in continuous lab-scale anaerobic reactors. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 303-314.	1.7	91
135	Nutrient gradients in a granular activated carbon biofilter drives bacterial community organization and dynamics. <i>Water Research</i> , 2011, 45, 6355-6361.	5.3	90
136	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.	2.1	90
137	Treatment of industrial wastewaters by microalgal bacterial flocs in sequencing batch reactors. <i>Bioresource Technology</i> , 2014, 161, 245-254.	4.8	89
138	Industrial Application of Biological Self-healing Concrete: Challenges and Economical Feasibility. <i>Journal of Commercial Biotechnology</i> , 2015, 21, .	0.2	89
139	Poly- $\gamma$ -hydroxybutyrate-accumulating bacteria protect symbiotic <i>Artemia franciscana</i> from pathogenic <i>Vibrio campbellii</i> . <i>FEMS Microbiology Ecology</i> , 2007, 60, 363-369.	1.3	88
140	High-rate iron-rich activated sludge as stabilizing agent for the anaerobic digestion of kitchen waste. <i>Water Research</i> , 2013, 47, 3732-3741.	5.3	88
141	Enhanced nitrogen removal in bio-electrochemical systems by pH control. <i>Biotechnology Letters</i> , 2009, 31, 1537-1543.	1.1	87
142	Decentralized two-stage sewage treatment by chemical-biological flocculation combined with microalgae biofilm for nutrient immobilization in a roof installed parallel plate reactor. <i>Bioresource Technology</i> , 2013, 130, 152-160.	4.8	87
143	Biocatalytic dechlorination of trichloroethylene with bio-palladium in a pilot-scale membrane reactor. <i>Biotechnology and Bioengineering</i> , 2009, 102, 995-1002.	1.7	86
144	Bioaugmenting Bioreactors for the Continuous Removal of 3-Chloroaniline by a Slow Release Approach. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4698-4704.	4.6	84

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145	Concomitant Microbial Generation of Palladium Nanoparticles and Hydrogen To Immobilize Chromate. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7635-7640.	4.6	82
146	A chitosan based pH-responsive hydrogel for encapsulation of bacteria for self-sealing concrete. <i>Cement and Concrete Composites</i> , 2018, 93, 309-322.	4.6	82
147	Inoculum selection influences the biochemical methane potential of agro-industrial substrates. <i>Microbial Biotechnology</i> , 2015, 8, 776-786.	2.0	81
148	New <i>Methyloceanibacter</i> diversity from North Sea sediments includes methanotroph containing solely the soluble methane monooxygenase. <i>Environmental Microbiology</i> , 2016, 18, 4523-4536.	1.8	81
149	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1511-1519.	1.7	80
150	Palladium nanoparticles produced by fermentatively cultivated bacteria as catalyst for diatrizoate removal with biogenic hydrogen. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1435-1445.	1.7	79
151	<i>G</i> , <i>eobacter</i> , <i>A</i> , <i>naeromyxobacter</i> and <i>A</i> , <i>naerolineae</i> populations are enriched on anodes of root exudate-driven microbial fuel cells in rice field soil. <i>Environmental Microbiology Reports</i> , 2015, 7, 489-497.	1.0	79
152	Stimulation of in vitro anaerobic oxidation of methane rate in a continuous high-pressure bioreactor. <i>Bioresource Technology</i> , 2010, 101, 3132-3138.	4.8	78
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