Christopher Jones

List of Publications by Citations

29 papers	3,199 citations	21 h-index	30 g-index
30 ext. papers	4,050 ext. citations	7.2 avg, IF	5.4 L-index

#	Paper	IF	Citations
29	Loss in microbial diversity affects nitrogen cycling in soil. *ISME Journal*, **2013**, 7, 1609-19	11.9	404
28	Relationship between N-cycling communities and ecosystem functioning in a 50-year-old fertilization experiment. *ISME Journal*, **2009**, 3, 597-605	11.9	400
27	The unaccounted yet abundant nitrous oxide-reducing microbial community: a potential nitrous oxide sink. *ISME Journal*, **2013**, 7, 417-26	11.9	369
26	Phylogenetic analysis of nitrite, nitric oxide, and nitrous oxide respiratory enzymes reveal a complex evolutionary history for denitrification. *Molecular Biology and Evolution*, **2008**, 25, 1955-66	8.3	348
25	Recently identified microbial guild mediates soil N2O sink capacity. *Nature Climate Change*, **2014**, 4, 801-805	2014	245
24	Intergenomic comparisons highlight modularity of the denitrification pathway and underpin the importance of community structure for N2O emissions. *PLoS ONE*, **2014**, 9, e114118	3.7	238
23	Importance of denitrifiers lacking the genes encoding the nitrous oxide reductase for N2O emissions from soil. *Global Change Biology*, **2011**, 17, 1497-1504	11.4	237
22	Genomics and Ecology of Novel NO-Reducing Microorganisms. *Trends in Microbiology*, **2018**, 26, 43-55	12.4	212
21	Ecological and evolutionary factors underlying global and local assembly of denitrifier communities. *ISME Journal*, **2010**, 4, 633-41	11.9	172
20	Soil carbon quality and nitrogen fertilization structure bacterial communities with predictable responses of major bacterial phyla. *Applied Soil Ecology*, **2014**, 84, 62-68	5	124
19	Changes in faecal bacteria associated with concentrate and forage-only diets fed to horses in training. *Equine Veterinary Journal*, **2009**, 41, 908-14	2.4	96
18	Phenotypic and genotypic heterogeneity among closely related soil-borne N2 - and N2 O-producing Bacillus isolates harboring the nosZ gene. *FEMS Microbiology Ecology*, **2011**, 76, 541-52	4.3	50
17	Soil type overrides plant effect on genetic and enzymatic N2O production potential in arable soils. *Soil Biology and Biochemistry*, **2016**, 100, 125-128	7.5	34
16	Spatial and phyloecological analyses of nosZ genes underscore niche differentiation amongst terrestrial N2O reducing communities. *Soil Biology and Biochemistry*, **2017**, 115, 82-91	7.5	34
15	Geospatial variation in co-occurrence networks of nitrifying microbial guilds. *Molecular Ecology*, **2019**, 28, 293-306	5.7	28
14	Habitat partitioning of marine benthic denitrifier communities in response to oxygen availability. *Environmental Microbiology Reports*, **2016**, 8, 486-92	3.7	27
13	Design and evaluation of primers targeting genes encoding NO-forming nitrite reductases: implications for ecological inference of denitrifying communities. *Scientific Reports*, **2016**, 6, 39208	4.9	27

List of Publications

12	The DNRA-Denitrification Dichotomy Differentiates Nitrogen Transformation Pathways in Mountain Lake Benthic Habitats. *Frontiers in Microbiology*, **2019**, 10, 1229	5.7	25
11	Intercropping affects genetic potential for inorganic nitrogen cycling by root-associated microorganisms in Medicago sativa and Dactylis glomerata. *Applied Soil Ecology*, **2017**, 119, 260-266	5	25
10	Soil microbial community analysis using two-dimensional polyacrylamide gel electrophoresis of the bacterial ribosomal internal transcribed spacer regions. *Journal of Microbiological Methods*, **2007**, 69, 256-67	2.8	22
9	Expression of nirK and nirS genes in two strains of Pseudomonas stutzeri harbouring both types of NO-forming nitrite reductases. *Research in Microbiology*, **2018**, 169, 343-347	4	21
8	Global phylogeography of chitinase genes in aquatic metagenomes. *Applied and Environmental Microbiology*, **2011**, 77, 1101-6	4.8	18
7	Lucerne (Medicago sativa) alters N2O-reducing communities associated with cocksfoot (Dactylis glomerata) roots and promotes N2O production in intercropping in a greenhouse experiment. *Soil Biology and Biochemistry*, **2019**, 137, 107547	7.5	14
6	Catch Crop Residues Stimulate NO Emissions During Spring, Without Affecting the Genetic Potential for Nitrite and NO Reduction. *Frontiers in Microbiology*, **2018**, 9, 2629	5.7	14
5	Assessing costs and benefits of improved soil quality management in remediation projects: A study of an urban site contaminated with PAH and metals. *Science of the Total Environment*, **2020**, 707, 135582	10.2	6
4	Denitrification rates in lake sediments of mountains affected by high atmospheric nitrogen deposition. *Scientific Reports*, **2020**, 10, 3003	4.9	5
3	Habitat diversity and type govern potential nitrogen loss by denitrification in coastal sediments and differences in ecosystem-level diversities of disparate N2O reducing communities. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	3
2	Reactive nitrogen restructures and weakens microbial controls of soil NO emissions.. *Communications Biology*, **2022**, 5, 273	6.7	1
1	Minimizing tillage modifies fungal denitrifier communities, increases denitrification rates and enhances the genetic potential for fungal, relative to bacterial, denitrification. *Soil Biology and Biochemistry*, **2022**, 108718	7.5	0