Gareth Lloyd-Jones

List of Publications by Year
in descending order

38 papers	1,576 citations	331670 21 h-index	330143 37 g-index

38 all docs	38 docs citations	38 times ranked	1956 citing authors

#	Article	IF	Citations
1	A review of bacterial-degradation of pesticides. Soil Research, 1995, 33, 925.	1.1	216
2	The phn Genes of Burkholderia sp. Strain RP007 Constitute a Divergent Gene Cluster for Polycyclic Aromatic Hydrocarbon Catabolism. Journal of Bacteriology, 1999, 181, 531-540.	2.2	191
3	Integrating softwood biorefinery lignin into polyhydroxybutyrate composites and application in 3D printing. Materials Today Communications, 2019, 19, 286-296.	1.9	106
4	Quantification of phnAc and nahAc in Contaminated New Zealand Soils by Competitive PCR. Applied and Environmental Microbiology, 2000, 66, 1814-1817.	3.1	101
5	Analysis of catabolic genes for naphthalene and phenanthrene degradation in contaminated New Zealand soils. FEMS Microbiology Ecology, 1999, 29, 69-79.	2.7	88
6	Biodiversity of Active and Inactive Bacteria in the Gut Flora of Wood-Feeding Huhu Beetle Larvae (Prionoplus reticularis). Applied and Environmental Microbiology, 2011, 77, 7000-7006.	3.1	86
7	Novel Carbazole Degradation Genes ofSphingomonasCB3: Sequence Analysis, Transcription, and Molecular Ecology. Biochemical and Biophysical Research Communications, 1998, 247, 129-135.	2.1	65
8	Novosphingobium nitrogenifigens sp. nov., a polyhydroxyalkanoate-accumulating diazotroph isolated from a New Zealand pulp and paper wastewater. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2467-2471.	1.7	62
9	Accumulation and intracellular fate of tellurite in tellurite-resistantEscherichia coli: A model for the mechanism of resistance. FEMS Microbiology Letters, 1994, 118, 113-119.	1.8	61
10	Comparison of rapid DNA extraction methods applied to contrasting New Zealand soils. Soil Biology and Biochemistry, 2001, 33, 2053-2059.	8.8	55
11	Sphingobium scionense sp. nov., an aromatic hydrocarbon-degrading bacterium isolated from contaminated sawmill soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 413-416.	1.7	44
12	A resazurin-based biosensor for organic pollutants. Biosensors and Bioelectronics, 2006, 22, 759-763.	10.1	41
13	Recombination of the bph (Biphenyl) Catabolic Genes from Plasmid pWW100 and Their Deletion during Growth on Benzoate. Applied and Environmental Microbiology, 1994, 60, 691-696.	3.1	40
14	Characterization of fractionated lignins polymerized by fungal laccases. BioResources, 2011, 6, 1105-1121.	1.0	40
15	Softwood hydrolysate as a carbon source forÂpolyhydroxyalkanoate production. Journal of Chemical Technology and Biotechnology, 2014, 89, 1030-1037.	3.2	38
16	Quantification of the Pseudomonas population in New Zealand soils by fluorogenic PCR assay and culturing techniques. Journal of Microbiological Methods, 2005, 60, 217-224.	1.6	37
17	Conserved and Hybrid meta-Cleavage Operons from PAH-degrading Burkholderia RP007. Biochemical and Biophysical Research Communications, 1999, 262, 308-314.	2.1	32
18	Bacterial community composition of a wastewater treatment system reliant on N2 fixation. Applied Microbiology and Biotechnology, 2008, 79, 285-292.	3.6	27

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19	In vivo andin vitro cloning and phenotype characterization of tellurite resistance determinant conferred by plasmid pTE53 of a clinical isolate ofEscherichia coli. Folia Microbiologica, 1998, 43, 589-599.	2.3	25
20	Proteomic Phenotyping of Novosphingobium nitrogenifigens Reveals a Robust Capacity for Simultaneous Nitrogen Fixation, Polyhydroxyalkanoate Production, and Resistance to Reactive Oxygen Species. Applied and Environmental Microbiology, 2012, 78, 4802-4815.	3.1	25
21	Composition of nifH in a wastewater treatment system reliant on N2 fixation. Applied Microbiology and Biotechnology, 2008, 79, 811-818.	3.6	24
22	Characterization of fluoranthene- and pyrene-degrading Mycobacterium-like strains by RAPD and SSU sequencing. FEMS Microbiology Letters, 2006, 153, 51-56.	1.8	23
23	Stable isotope probing: Technical considerations when resolving 15N-labeled RNA in gradients. Journal of Microbiological Methods, 2010, 80, 70-75.	1.6	19
24	A molecular view of microbial diversity in a dynamic landfill in QuÃ©bec. FEMS Microbiology Letters, 1998, 162, 219-226.	1.8	18
25	The degradation of alicyclic hydrocarbons by a microbial consortium. International Biodeterioration, 1989, 25, 197-206.	0.2	17
26	Bacterial oxygenases: In vivo enzyme biosensors for organic pollutants. Biosensors and Bioelectronics, 2007, 22, 2400-2407.	10.1	13
27	Identifying diazotrophs by incorporation of nitrogen from 15N2 into RNA. Applied Microbiology and Biotechnology, 2010, 87, 2313-2322.	3.6	13
28	The bacterial microbiota ofStolotermes ruficeps(Stolotermitidae), a phylogenetically basal termite endemic to New Zealand. FEMS Microbiology Ecology, 2014, 90, 678-688.	2.7	11
29	Inactivation of 2,3-dihydroxybiphenyl 1,2-dioxygenase fromPseudomonas sp. strain CB406 by 3,4-dihydroxybiphenyl (4-phenylcatechol). Biodegradation, 1995, 6, 11-17.	3.0	10
30	Evaluating Lignins as Enzyme Substrates: Insights and Methodological Recommendations from a Study of Laccase-Catalyzed Lignin Polymerization. BioResources, 2014, 9, .	1.0	10
31	The Te-Assay: A black and white method for environmental sample pre-screening exploiting tellurite reduction. Journal of Microbiological Methods, 2006, 67, 549-556.	1.6	7
32	Protease- and keratinase-producing microbial strains for compost bioaugmentation. International Biodeterioration and Biodegradation, 2010, 64, 574-580.	3.9	6
33	Manipulating intradiol dioxygenases by C-terminus truncation. Enzyme and Microbial Technology, 2019, 125, 21-28.	3.2	6
34	Formation of Poly-ß-hydroxybutyrate from Polycyclic Aromatic Hydrocarbons by Sphingobium scionense sp. WP01. , 2011, , .		5
35	Heterologous hybridisation to a Pinus microarray: profiling of gene expression in Pinus radiata saplings exposed to ethephon. New Zealand Journal of Forestry Science, 2014, 44, .	0.8	5
36	Use of protoplasts from paired heterogenic bacterial species to detect tin contaminants: Prospects for biosensor development. Biosensors and Bioelectronics, 2007, 22, 1251-1259.	10.1	4

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37	Analysis of catabolic genes for naphthalene and phenanthrene degradation in contaminated New Zealand soils. FEMS Microbiology Ecology, 1999, 29, 69-79.	2.7	3
38	Versatile catechol dioxygenases in Sphingobium scionense WP01T. Antonie Van Leeuwenhoek, 2018, 111, 2293-2301.	1.7	2