Shane Powell

List of Publications by Year in descending order

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44 papers	1,438 citations	331670 21 h-index	330143 37 g-index
44 all docs	44 docs citations	44 times ranked	1695 citing authors

#	Article	IF	Citations
1	Using Real-Time PCR to Assess Changes in the Hydrocarbon-Degrading Microbial Community in Antarctic Soil During Bioremediation. Microbial Ecology, 2006, 52, 523-532.	2.8	115
2	Microbial community variation in pristine and polluted nearshore Antarctic sediments. FEMS Microbiology Ecology, 2003, 45, 135-145.	2.7	108
3	A pharmacokinetic and pharmacodynamic study of intravenousâ€ƒvs oral artesunate in uncomplicated falciparum malaria. British Journal of Clinical Pharmacology, 1998, 45, 123-129.	2.4	105
4	Pharmacokinetics and Pharmacodynamics of Intravenous Artesunate in Severe Falciparum Malaria. Antimicrobial Agents and Chemotherapy, 2001, 45, 181-186.	3.2	90
5	Extensive Gene Acquisition in the Extremely Psychrophilic Bacterial Species Psychroflexus torquis and the Link to Sea-Ice Ecosystem Specialism. Genome Biology and Evolution, 2014, 6, 133-148.	2.5	87
6	Oral bioavailability of dihydroartemisinin in Vietnamese volunteers and in patients with falciparum malaria. British Journal of Clinical Pharmacology, 2001, 51, 541-546.	2.4	68
7	Genomic and metabolic characterization of spoilage-associated Pseudomonas species. International Journal of Food Microbiology, 2018, 268, 61-72.	4.7	58
8	Use of near infrared spectroscopy to predict microbial numbers on Atlantic salmon. Food Microbiology, 2012, 32, 431-436.	4.2	57
9	A pharmacokinetic and pharmacodynamic study of artesunate for vivax malaria.. American Journal of Tropical Medicine and Hygiene, 1998, 59, 823-827.	1.4	55
10	Fertilization Stimulates Anaerobic Fuel Degradation of Antarctic Soils by Denitrifying Microorganisms. Environmental Science & Technology, 2006, 40, 2011-2017.	10.0	54
11	Light-stimulated growth of proteorhodopsin-bearing sea-ice psychrophile Psychroflexus torquis is salinity dependent. ISME Journal, 2013, 7, 2206-2213.	9.8	51
12	Phytoremediation of hydrocarbon contaminants in subantarctic soils: An effective management option. Journal of Environmental Management, 2014, 142, 60-69.	7.8	50
13	The importance of soil characteristics to the structure of alkane-degrading bacterial communities on sub-Antarctic Macquarie Island. Soil Biology and Biochemistry, 2010, 42, 2012-2021.	8.8	45
14	A comparison of the short term effects of diesel fuel and lubricant oils on Antarctic benthic microbial communities. Journal of Experimental Marine Biology and Ecology, 2005, 322, 53-65.	1.5	42
15	Microbial communities on Australian modified atmosphere packaged Atlantic salmon. Food Microbiology, 2012, 30, 226-232.	4.2	37
16	Relative bioavailability of artesunate and dihydroartemisinin: investigations in the isolated perfused rat liver and in healthy Caucasian volunteers.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 130-136.	1.4	32
17	Biodegradation of petroleum products in experimental plots in Antarctic marine sediments is location dependent. Marine Pollution Bulletin, 2007, 54, 434-440.	5.0	29
18	Application of electrolysed oxidising water as a sanitiser to extend the shelf-life of seafood products: a review. Journal of Food Science and Technology, 2017, 54, 1321-1332.	2.8	29

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19	Limited microbial growth in Atlantic salmon packed in a modified atmosphere. Food Control, 2014, 42, 29-33.	5.5	23
20	Evaluation of a permeable reactive barrier to capture and degrade hydrocarbon contaminants. Environmental Science and Pollution Research, 2015, 22, 12298-12308.	5.3	23
21	Assessment of the effect of malaria infection on hepatic clearance of dihydroartemisinin using rat liver perfusions and microsomes. British Journal of Pharmacology, 1998, 125, 159-167.	5.4	22
22	Rapid and sensitive microbial analysis by capillary isotachophoresis with continuous electrokinetic injection under field amplified conditions. Electrophoresis, 2013, 34, 1657-1662.	2.4	21
23	Isotachophoretic Fluorescence in Situ Hybridization of Intact Bacterial Cells. Analytical Chemistry, 2017, 89, 6513-6520.	6.5	20
24	Degradation of nonane by bacteria from Antarctic marine sediment. Polar Biology, 2004, 27, 573.	1.2	18
25	Location and DGGE methodology can influence interpretation of field experimental studies on the response to hydrocarbons by Antarctic benthic microbial community. Antarctic Science, 2005, 17, 353-360.	0.9	18
26	Degradation of 2-nitrodiphenylamine, a component of Otto Fuel II, byClostridiumspp.. Anaerobe, 1998, 4, 95-102.	2.1	15
27	Dynamics of Seawater Bacterial Communities in a Shellfish Hatchery. Microbial Ecology, 2013, 66, 245-256.	2.8	15
28	Effect of temperature on the microbial ecology of a hydrocarbon-contaminated Antarctic soil: Implications for high temperature remediation. Cold Regions Science and Technology, 2008, 53, 115-129.	3.5	14
29	A study of selected factors affecting efficacy of compost tea against several fungal pathogens of potato. Journal of Applied Microbiology, 2017, 123, 732-747.	3.1	13
30	Proteomic Insight into Functional Changes of Proteorhodopsin-Containing Bacterial Species Psychroflexus torquis under Different Illumination and Salinity Levels. Journal of Proteome Research, 2015, 14, 3848-3858.	3.7	12
31	Effect of glucose, pH and lactic acid on Carnobacterium maltaromaticum, Brochothrix thermosphacta and Serratia liquefaciens within a commercial heat-shrunk vacuum-package film. Food Microbiology, 2020, 91, 103515.	4.2	12
32	Effects of diesel and lubricant oils on Antarctic benthic microbial communities over five years. Aquatic Microbial Ecology, 2010, 61, 119-127.	1.8	12
33	Benthic mats in Antarctica: biophysical coupling of sea-bed hypoxia and sediment communities. Polar Biology, 2012, 35, 107-116.	1.2	11
34	Capillary electrophoretic system of ribonucleic acid molecules. Journal of Chromatography A, 2012, 1267, 2-9.	3.7	10
35	Isolation of denitrifying bacteria from hydrocarbon-contaminated Antarctic soil. Polar Biology, 2006, 30, 69-74.	1.2	9
36	Counter-pressure-assisted ITP with electrokinetic injection under field-amplified conditions for bacterial analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 6995-7002.	3.7	9

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37	Microbial and sensorial models for head-on and gutted (HOG) Atlantic Salmon (Salmo salar) stored from 0 to 15ÂÂ°C. Food Microbiology, 2016, 57, 144-150.	4.2	9
38	Managing soil health and crop productivity in potato: a challenging test system. Soil Research, 2020, 58, 697.	1.1	9
39	Use of a blocking primer allows selective amplification of bacterial DNA from microalgae cultures. Journal of Microbiological Methods, 2012, 90, 211-213.	1.6	8
40	Predictive model for the growth of spoilage bacteria on modified atmosphere packaged Atlantic salmon produced in Australia. Food Microbiology, 2015, 47, 111-115.	4.2	8
41	Capillary electrophoresis ribosomal RNA single-stranded conformation polymorphism: a new approach for characterization of low-diversity microbial communities. Analytical and Bioanalytical Chemistry, 2012, 404, 1897-1906.	3.7	4
42	qPCR quantification of Carnobacterium maltaromaticum, Brochothrix thermosphacta, and Serratia liquefaciens growth kinetics in mixed culture. Journal of Microbiological Methods, 2020, 175, 105961.	1.6	4
43	Effect of peroxyacetic acid treatment and bruising on the bacterial community and shelf-life of baby spinach. International Journal of Food Microbiology, 2021, 343, 109086.	4.7	4
44	Evaluation of quantitative polymerase chain reaction to assessnosZgene prevalence in mixed microbial communities. Canadian Journal of Microbiology, 2007, 53, 636-642.	1.7	3