

# Shane Powell

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Effect of peroxyacetic acid treatment and bruising on the bacterial community and shelf-life of baby spinach. <i>International Journal of Food Microbiology</i> , 2021, 343, 109086.	4.7	4
2	Managing soil health and crop productivity in potato: a challenging test system. <i>Soil Research</i> , 2020, 58, 697.	1.1	9
3	qPCR quantification of <i>Carnobacterium maltaromaticum</i> , <i>Brochothrix thermosphacta</i> , and <i>Serratia liquefaciens</i> growth kinetics in mixed culture. <i>Journal of Microbiological Methods</i> , 2020, 175, 105961.	1.6	4
4	Effect of glucose, pH and lactic acid on <i>Carnobacterium maltaromaticum</i> , <i>Brochothrix thermosphacta</i> and <i>Serratia liquefaciens</i> within a commercial heat-shrunk vacuum-package film. <i>Food Microbiology</i> , 2020, 91, 103515.	4.2	12
5	Genomic and metabolic characterization of spoilage-associated <i>Pseudomonas</i> species. <i>International Journal of Food Microbiology</i> , 2018, 268, 61-72.	4.7	58
6	Application of electrolysed oxidising water as a sanitiser to extend the shelf-life of seafood products: a review. <i>Journal of Food Science and Technology</i> , 2017, 54, 1321-1332.	2.8	29
7	Isotachophoretic Fluorescence in Situ Hybridization of Intact Bacterial Cells. <i>Analytical Chemistry</i> , 2017, 89, 6513-6520.	6.5	20
8	A study of selected factors affecting efficacy of compost tea against several fungal pathogens of potato. <i>Journal of Applied Microbiology</i> , 2017, 123, 732-747.	3.1	13
9	Microbial and sensorial models for head-on and gutted (HOG) Atlantic Salmon ( <i>Salmo salar</i> ) stored from 0 to 15°C. <i>Food Microbiology</i> , 2016, 57, 144-150.	4.2	9
10	Proteomic Insight into Functional Changes of Proteorhodopsin-Containing Bacterial Species <i>Psychroflexus torquis</i> under Different Illumination and Salinity Levels. <i>Journal of Proteome Research</i> , 2015, 14, 3848-3858.	3.7	12
11	Evaluation of a permeable reactive barrier to capture and degrade hydrocarbon contaminants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12298-12308.	5.3	23
12	Counter-pressure-assisted ITP with electrokinetic injection under field-amplified conditions for bacterial analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6995-7002.	3.7	9
13	Predictive model for the growth of spoilage bacteria on modified atmosphere packaged Atlantic salmon produced in Australia. <i>Food Microbiology</i> , 2015, 47, 111-115.	4.2	8
14	Extensive Gene Acquisition in the Extremely Psychrophilic Bacterial Species <i>Psychroflexus torquis</i> and the Link to Sea-Ice Ecosystem Specialism. <i>Genome Biology and Evolution</i> , 2014, 6, 133-148.	2.5	87
15	Limited microbial growth in Atlantic salmon packed in a modified atmosphere. <i>Food Control</i> , 2014, 42, 29-33.	5.5	23
16	Phytoremediation of hydrocarbon contaminants in subantarctic soils: An effective management option. <i>Journal of Environmental Management</i> , 2014, 142, 60-69.	7.8	50
17	Dynamics of Seawater Bacterial Communities in a Shellfish Hatchery. <i>Microbial Ecology</i> , 2013, 66, 245-256.	2.8	15
18	Rapid and sensitive microbial analysis by capillary isotachopheresis with continuous electrokinetic injection under field amplified conditions. <i>Electrophoresis</i> , 2013, 34, 1657-1662.	2.4	21

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19	Light-stimulated growth of proteorhodopsin-bearing sea-ice psychrophile <i>Psychroflexus torquus</i> is salinity dependent. <i>ISME Journal</i> , 2013, 7, 2206-2213.	9.8	51
20	Use of near infrared spectroscopy to predict microbial numbers on Atlantic salmon. <i>Food Microbiology</i> , 2012, 32, 431-436.	4.2	57
21	Use of a blocking primer allows selective amplification of bacterial DNA from microalgae cultures. <i>Journal of Microbiological Methods</i> , 2012, 90, 211-213.	1.6	8
22	Capillary electrophoresis ribosomal RNA single-stranded conformation polymorphism: a new approach for characterization of low-diversity microbial communities. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1897-1906.	3.7	4
23	Capillary electrophoretic system of ribonucleic acid molecules. <i>Journal of Chromatography A</i> , 2012, 1267, 2-9.	3.7	10
24	Microbial communities on Australian modified atmosphere packaged Atlantic salmon. <i>Food Microbiology</i> , 2012, 30, 226-232.	4.2	37
25	Benthic mats in Antarctica: biophysical coupling of sea-bed hypoxia and sediment communities. <i>Polar Biology</i> , 2012, 35, 107-116.	1.2	11
26	The importance of soil characteristics to the structure of alkane-degrading bacterial communities on sub-Antarctic Macquarie Island. <i>Soil Biology and Biochemistry</i> , 2010, 42, 2012-2021.	8.8	45
27	Effects of diesel and lubricant oils on Antarctic benthic microbial communities over five years. <i>Aquatic Microbial Ecology</i> , 2010, 61, 119-127.	1.8	12
28	Effect of temperature on the microbial ecology of a hydrocarbon-contaminated Antarctic soil: Implications for high temperature remediation. <i>Cold Regions Science and Technology</i> , 2008, 53, 115-129.	3.5	14
29	Evaluation of quantitative polymerase chain reaction to assess <i>nosZ</i> gene prevalence in mixed microbial communities. <i>Canadian Journal of Microbiology</i> , 2007, 53, 636-642.	1.7	3
30	Biodegradation of petroleum products in experimental plots in Antarctic marine sediments is location dependent. <i>Marine Pollution Bulletin</i> , 2007, 54, 434-440.	5.0	29
31	Fertilization Stimulates Anaerobic Fuel Degradation of Antarctic Soils by Denitrifying Microorganisms. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2011-2017.	10.0	54
32	Isolation of denitrifying bacteria from hydrocarbon-contaminated Antarctic soil. <i>Polar Biology</i> , 2006, 30, 69-74.	1.2	9
33	Using Real-Time PCR to Assess Changes in the Hydrocarbon-Degrading Microbial Community in Antarctic Soil During Bioremediation. <i>Microbial Ecology</i> , 2006, 52, 523-532.	2.8	115
34	Location and DGGE methodology can influence interpretation of field experimental studies on the response to hydrocarbons by Antarctic benthic microbial community. <i>Antarctic Science</i> , 2005, 17, 353-360.	0.9	18
35	A comparison of the short term effects of diesel fuel and lubricant oils on Antarctic benthic microbial communities. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 322, 53-65.	1.5	42
36	Degradation of nonane by bacteria from Antarctic marine sediment. <i>Polar Biology</i> , 2004, 27, 573.	1.2	18

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37	Microbial community variation in pristine and polluted nearshore Antarctic sediments. FEMS Microbiology Ecology, 2003, 45, 135-145.	2.7	108
38	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
39	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
40	Pharmacokinetics and Pharmacodynamics of Intravenous Artesunate in Severe Falciparum Malaria. Antimicrobial Agents and Chemotherapy, 2001, 45, 181-186.	3.2	90
41	Degradation of 2-nitrodiphenylamine, a component of Otto Fuel II, by Clostridium spp.. Anaerobe, 1998, 4, 95-102.	2.1	15
42	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
43	A pharmacokinetic and pharmacodynamic study of intravenous vs oral artesunate in uncomplicated falciparum malaria. British Journal of Clinical Pharmacology, 1998, 45, 123-129.	2.4	105
44	A pharmacokinetic and pharmacodynamic study of artesunate for vivax malaria.. American Journal of Tropical Medicine and Hygiene, 1998, 59, 823-827.	1.4	55