

Paul Humphreys

List of Publications by Year in descending order

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papers

806
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516215

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525886

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955
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#	ARTICLE	IF	CITATIONS
1	A Novel Rhamnose-Rich Hetero-exopolysaccharide Isolated from <i>Lactobacillus paracasei</i> DG Activates THP-1 Human Monocytic Cells. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	111
2	Sustained Bauxite Residue Rehabilitation with Gypsum and Organic Matter 16 years after Initial Treatment. <i>Environmental Science & Technology</i> , 2018, 52, 152-161.	4.6	79
3	Molecular Biological Detection of Anaerobic Gut Fungi (<i>Neocallimastigales</i>) from Landfill Sites. <i>Applied and Environmental Microbiology</i> , 2006, 72, 5659-5661.	1.4	64
4	Role of an organic carbon-rich soil and Fe(III) reduction in reducing the toxicity and environmental mobility of chromium(VI) at a COPR disposal site. <i>Science of the Total Environment</i> , 2016, 541, 1191-1199.	3.9	42
5	The structure and immunomodulatory activity on intestinal epithelial cells of the EPSs isolated from <i>Lactobacillus helveticus</i> sp. Rosyjski and <i>Lactobacillus acidophilus</i> sp. 5e2. <i>Carbohydrate Research</i> , 2014, 384, 119-127.	1.1	41
6	Testing standards for sporicides. <i>Journal of Hospital Infection</i> , 2011, 77, 193-198.	1.4	37
7	Commensal-derived OMVs elicit a mild proinflammatory response in intestinal epithelial cells. <i>Microbiology (United Kingdom)</i> , 2017, 163, 702-711.	0.7	35
8	Floc Formation Reduces the pH Stress Experienced by Microorganisms Living in Alkaline Environments. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	31
9	Evidence of the Generation of Isosaccharinic Acids and Their Subsequent Degradation by Local Microbial Consortia within Hyper-Alkaline Contaminated Soils, with Relevance to Intermediate Level Radioactive Waste Disposal. <i>PLoS ONE</i> , 2015, 10, e0119164.	1.1	29
10	Hydrogenotrophic Methanogenesis Under Alkaline Conditions. <i>Frontiers in Microbiology</i> , 2020, 11, 614227.	1.5	27
11	DRINK: a biogeochemical source term model for low level radioactive waste disposal sites. <i>FEMS Microbiology Reviews</i> , 1997, 20, 557-571.	3.9	26
12	Biodegradation of the Alkaline Cellulose Degradation Products Generated during Radioactive Waste Disposal. <i>PLoS ONE</i> , 2014, 9, e107433.	1.1	25
13	The enrichment of an alkaliphilic biofilm consortia capable of the anaerobic degradation of isosaccharinic acid from cellulosic materials incubated within an anthropogenic, hyperalkaline environment. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv085.	1.3	23
14	Anoxic Biodegradation of Isosaccharinic Acids at Alkaline pH by Natural Microbial Communities. <i>PLoS ONE</i> , 2015, 10, e0137682.	1.1	22
15	Whole-Genome Sequence of the Anaerobic Isosaccharinic Acid Degrading Isolate, <i>Macellibacteroides fermentans</i> Strain HH-ZS. <i>Genome Biology and Evolution</i> , 2017, 9, 2140-2144.	1.1	22
16	A robust method for the synthesis and isolation of β -gluco-isosaccharinic acid ((2R,4S)-2,4,5-trihydroxy-2-(hydroxymethyl)pentanoic acid) from cellulose and measurement of its aqueous pKa. <i>Carbohydrate Research</i> , 2012, 349, 6-11.	1.1	16
17	Phytoextraction of Cr(VI) from soil using <i>Portulaca oleracea</i> . <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1338-1347.	0.6	14
18	Assessing The Potential of Short Rotation Coppice (Src) for Cleanup of Radionuclidecontaminated Sites. <i>International Journal of Phytoremediation</i> , 2005, 7, 279-293.	1.7	13

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19	Draft Genome Sequence of Alkaliphilic Exiguobacterium sp. Strain HUD, Isolated from a Polymicrobial Consortia. Genome Announcements, 2015, 3, .	0.8	13
20	The cross-contamination potential of mobile telephones. Journal of Research in Nursing, 2012, 17, 582-595.	0.3	11
21	In-Situ Biofilm Formation in Hyper Alkaline Environments. Geomicrobiology Journal, 2019, 36, 405-411.	1.0	11
22	A study of the metal binding capacity of saccharinic acids formed during the alkali catalysed decomposition of cellulosic materials: nickel complexation by glucoisosaccharinic acids and xyloisosaccharinic acids. Carbohydrate Research, 2016, 427, 48-54.	1.1	10
23	Microbial Community Evolution Is Significantly Impacted by the Use of Calcium Isosaccharinic Acid as an Analogue for the Products of Alkaline Cellulose Degradation. PLoS ONE, 2016, 11, e0165832.	1.1	10
24	Behaviour of xyloisosaccharinic acid and xyloisosaccharino-1,4-lactone in aqueous solutions at varying pHs. Carbohydrate Research, 2012, 363, 51-57.	1.1	9
25	Applicability of Heavy-Metal Phytoextraction in United Arab Emirates: An Investigation of Candidate Species. Soil and Sediment Contamination, 2014, 23, 557-570.	1.1	9
26	A systematic evaluation of a peracetic-acid-based high performance disinfectant. Journal of Infection Prevention, 2013, 14, 126-131.	0.5	8
27	Uptake of Chromium by <i>Portulaca Oleracea</i> from Soil: Effects of Organic Content, pH, and Sulphate Concentration. Applied and Environmental Soil Science, 2020, 2020, 1-10.	0.8	8
28	T2GGM: A Coupled Gas Generation Model for Deep Geologic Disposal of Radioactive Waste. Nuclear Technology, 2014, 187, 175-187.	0.7	7
29	An approach to modelling the impact of 14C release from reactor graphite in a geological disposal facility. Mineralogical Magazine, 2015, 79, 1495-1503.	0.6	6
30	A systematic comparison of antimicrobial wound dressings using a planktonic cell and an immobilized cell model. Journal of Applied Microbiology, 2015, 119, 1552-1560.	1.4	4
31	The Impact of Biofilms upon Surfaces Relevant to an Intermediate Level Radioactive Waste Geological Disposal Facility under Simulated Near-Field Conditions. Geosciences (Switzerland), 2017, 7, 57.	1.0	4
32	Isolation and characterization of a novel exopolysaccharide secreted by <i>Lactobacillus mucosae</i> VG1. Carbohydrate Research, 2019, 484, 107781.	1.1	4
33	Genomic Insights Into A Novel, Alkalitolerant Nitrogen Fixing Bacteria, <i>Azonexus</i> sp. Strain ZS02. Journal of Genomics, 2019, 7, 1-6.	0.6	4
34	Managing <i>Clostridium difficile</i> infection in hospitalised patients. Nursing Standard (Royal College of) 9, 1	0.1	3
35	An evaluation of the infection control potential of a UV clinical podiatry unit. Journal of Foot and Ankle Research, 2014, 7, 17.	0.7	3
36	Extraction of the same novel homoglycan mixture from two different strains of <i>Bifidobacterium animalis</i> and three strains of <i>Bifidobacterium breve</i> . Beneficial Microbes, 2018, 9, 663-674.	1.0	3

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37	Developing cellulosic waste products as platform chemicals: protecting group chemistry of α -D-glucosaminic acid. Carbohydrate Research, 2018, 455, 97-105.	1.1	3
38	Draft Genome Sequences of Pseudomonas aeruginosa Strain PS3 and Citrobacter freundii Strain SA79 Obtained from a Wound Dressing-Associated Biofilm. Genome Announcements, 2015, 3, .	0.8	2
39	Draft Whole-Genome Sequence of the Alkaliphilic Alishewanella aestuarii Strain HH-ZS, Isolated from Historical Lime Kiln Waste-Contaminated Soil. Genome Announcements, 2016, 4, .	0.8	2
40	Isolation of sophorose during sophorolipid production and studies of its stability in aqueous alkali: epimerisation of sophorose to 2-O- α -D-glucopyranosyl-D-mannose. Carbohydrate Research, 2016, 421, 46-54.	1.1	2
41	The Impact of Alkaliphilic Biofilm Formation on the Release and Retention of Carbon Isotopes from Nuclear Reactor Graphite. Scientific Reports, 2018, 8, 4455.	1.6	2
42	The Development and Use of T2GGM: A Gas Modelling Code for the Postclosure Safety Assessment of OPG's Proposed L&ILW Deep Geologic Repository, Canada. , 2009, , .		2
43	Methanogenesis from Mineral Carbonates, a Potential Indicator for Life on Mars. Geosciences (Switzerland), 2022, 12, 138.	1.0	2
44	Integrating Microbiology into the Drigg Post-Closure Radiological Safety Assessment. Materials Research Society Symposia Proceedings, 2000, 663, 1.	0.1	1
45	In vitro fungicidal activity of biocides against pharmaceutical environmental fungal isolates. Journal of Applied Microbiology, 2015, 118, 777-778.	1.4	1
46	Draft Genome Sequence of the Biofilm-Forming Stenotrophomonas maltophilia Strain 53. Genome Announcements, 2015, 3, .	0.8	1
47	A modelling approach to assess the environmental/radiological impact of C-14 release from radioactive waste repositories. Journal of Environmental Radioactivity, 2019, 205-206, 61-71.	0.9	1