

# Paul Humphreys

## List of Publications by Year in descending order

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47  
papers

806  
citations

516215

16  
h-index

525886

27  
g-index

48  
all docs

48  
docs citations

48  
times ranked

955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanogenesis from Mineral Carbonates, a Potential Indicator for Life on Mars. <i>Geosciences (Switzerland)</i> , 2022, 12, 138.	1.0	2
2	Hydrogenotrophic Methanogenesis Under Alkaline Conditions. <i>Frontiers in Microbiology</i> , 2020, 11, 614227.	1.5	27
3	Uptake of Chromium by <i>Portulaca Oleracea</i> from Soil: Effects of Organic Content, pH, and Sulphate Concentration. <i>Applied and Environmental Soil Science</i> , 2020, 2020, 1-10.	0.8	8
4	Isolation and characterization of a novel exopolysaccharide secreted by <i>Lactobacillus mucosae</i> VG1. <i>Carbohydrate Research</i> , 2019, 484, 107781.	1.1	4
5	In-Situ Biofilm Formation in Hyper Alkaline Environments. <i>Geomicrobiology Journal</i> , 2019, 36, 405-411.	1.0	11
6	A modelling approach to assess the environmental/radiological impact of C-14 release from radioactive waste repositories. <i>Journal of Environmental Radioactivity</i> , 2019, 205-206, 61-71.	0.9	1
7	Genomic Insights Into A Novel, Alkalitolerant Nitrogen Fixing Bacteria, <i>Azonexus sp.</i> Strain ZS02. <i>Journal of Genomics</i> , 2019, 7, 1-6.	0.6	4
8	The Impact of Alkaliphilic Biofilm Formation on the Release and Retention of Carbon Isotopes from Nuclear Reactor Graphite. <i>Scientific Reports</i> , 2018, 8, 4455.	1.6	2
9	Extraction of the same novel homoglycan mixture from two different strains of <i>Bifidobacterium animalis</i> and three strains of <i>Bifidobacterium breve</i> . <i>Beneficial Microbes</i> , 2018, 9, 663-674.	1.0	3
10	Developing cellulosic waste products as platform chemicals: protecting group chemistry of $\hat{\pm}$ -glucoisosaccharinic acid. <i>Carbohydrate Research</i> , 2018, 455, 97-105.	1.1	3
11	Sustained Bauxite Residue Rehabilitation with Gypsum and Organic Matter 16 years after Initial Treatment. <i>Environmental Science &amp; Technology</i> , 2018, 52, 152-161.	4.6	79
12	Floc Formation Reduces the pH Stress Experienced by Microorganisms Living in Alkaline Environments. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	31
13	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
14	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
15	The Impact of Biofilms upon Surfaces Relevant to an Intermediate Level Radioactive Waste Geological Disposal Facility under Simulated Near-Field Conditions. <i>Geosciences (Switzerland)</i> , 2017, 7, 57.	1.0	4
16	Commensal-derived OMVs elicit a mild proinflammatory response in intestinal epithelial cells. <i>Microbiology (United Kingdom)</i> , 2017, 163, 702-711.	0.7	35
17	Draft Whole-Genome Sequence of the Alkaliphilic <i>Alishewanella aestuarii</i> Strain HH-ZS, Isolated from Historical Lime Kiln Waste-Contaminated Soil. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
18	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. <i>Carbohydrate Research</i> , 2016, 427, 48-54.	1.1	10

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19	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
20	Isolation of sophorose during sophorolipid production and studies of its stability in aqueous alkali: epimerisation of sophorose to 2-O- $\beta$ -d-glucopyranosyl-d-mannose. <i>Carbohydrate Research</i> , 2016, 421, 46-54.	1.1	2
21	Microbial Community Evolution Is Significantly Impacted by the Use of Calcium Isosaccharinic Acid as an Analogue for the Products of Alkaline Cellulose Degradation. <i>PLoS ONE</i> , 2016, 11, e0165832.	1.1	10
22	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
23	An approach to modelling the impact of $^{14}\text{C}$ release from reactor graphite in a geological disposal facility. <i>Mineralogical Magazine</i> , 2015, 79, 1495-1503.	0.6	6
24	A systematic comparison of antimicrobial wound dressings using a planktonic cell and an immobilized cell model. <i>Journal of Applied Microbiology</i> , 2015, 119, 1552-1560.	1.4	4
25	Anoxic Biodegradation of Isosaccharinic Acids at Alkaline pH by Natural Microbial Communities. <i>PLoS ONE</i> , 2015, 10, e0137682.	1.1	22
26	Draft Genome Sequence of Alkaliphilic <i>Exiguobacterium</i> sp. Strain HUD, Isolated from a Polymicrobial Consortia. <i>Genome Announcements</i> , 2015, 3, .	0.8	13
27	Draft Genome Sequences of <i>Pseudomonas aeruginosa</i> Strain PS3 and <i>Citrobacter freundii</i> Strain SA79 Obtained from a Wound Dressing-Associated Biofilm. <i>Genome Announcements</i> , 2015, 3, .	0.8	2
28	In vitro fungicidal activity of biocides against pharmaceutical environmental fungal isolates. <i>Journal of Applied Microbiology</i> , 2015, 118, 777-778.	1.4	1
29	Draft Genome Sequence of the Biofilm-Forming <i>Stenotrophomonas maltophilia</i> Strain 53. <i>Genome Announcements</i> , 2015, 3, .	0.8	1
30	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
31	Managing <i>Clostridium difficile</i> infection in hospitalised patients. <i>Nursing Standard (Royal College of)</i> Tj ETQq1 1 0.784314 rgBT /Over 0.1 3		
32	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
33	Applicability of Heavy-Metal Phytoextraction in United Arab Emirates: An Investigation of Candidate Species. <i>Soil and Sediment Contamination</i> , 2014, 23, 557-570.	1.1	9
34	An evaluation of the infection control potential of a UV clinical podiatry unit. <i>Journal of Foot and Ankle Research</i> , 2014, 7, 17.	0.7	3
35	T2GGM: A Coupled Gas Generation Model for Deep Geologic Disposal of Radioactive Waste. <i>Nuclear Technology</i> , 2014, 187, 175-187.	0.7	7
36	Biodegradation of the Alkaline Cellulose Degradation Products Generated during Radioactive Waste Disposal. <i>PLoS ONE</i> , 2014, 9, e107433.	1.1	25

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37	A systematic evaluation of a peracetic-acid-based high performance disinfectant. <i>Journal of Infection Prevention</i> , 2013, 14, 126-131.	0.5	8
38	Phytoextraction of Cr(VI) from soil using <i>Portulaca oleracea</i> . <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1338-1347.	0.6	14
39	The cross-contamination potential of mobile telephones. <i>Journal of Research in Nursing</i> , 2012, 17, 582-595.	0.3	11
40	Behaviour of xyloisosaccharinic acid and xyloisosaccharino-1,4-lactone in aqueous solutions at varying pHs. <i>Carbohydrate Research</i> , 2012, 363, 51-57.	1.1	9
41	A robust method for the synthesis and isolation of $\beta$ -D-glucopyranosyl-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
42	Testing standards for sporicides. <i>Journal of Hospital Infection</i> , 2011, 77, 193-198.	1.4	37
43	The Development and Use of T2GGM: A Gas Modelling Code for the Postclosure Safety Assessment of OPC's Proposed L&ILW Deep Geologic Repository, Canada. , 2009, , .		2
44	Molecular Biological Detection of Anaerobic Gut Fungi ( Neocallimastigales ) from Landfill Sites. <i>Applied and Environmental Microbiology</i> , 2006, 72, 5659-5661.	1.4	64
45	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
46	Integrating Microbiology into the Drigg Post-Closure Radiological Safety Assessment. <i>Materials Research Society Symposia Proceedings</i> , 2000, 663, 1.	0.1	1
47	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