

# Daniel S Read

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

2,511

citations

27

h-index

49

g-index

76

ext. papers

3,366

ext. citations

6.5

avg, IF

5.08

L-index

#	Paper	IF	Citations
66	A systematic approach to understand hydrogeochemical dynamics in large river systems: Development and application to the River Ganges (Ganga) in India.. <i>Water Research</i> , <b>2022</b> , 211, 118054	12.5	0
65	Systematic review of wastewater surveillance of antimicrobial resistance in human populations.. <i>Environment International</i> , <b>2022</b> , 162, 107171	12.9	3
64	A genomic epidemiological study shows that prevalence of antimicrobial resistance in is associated with the livestock host, as well as antimicrobial usage. <i>Microbial Genomics</i> , <b>2021</b> , 7,	4.4	1
63	In-situ fluorescence spectroscopy is a more rapid and resilient indicator of faecal contamination risk in drinking water than faecal indicator organisms. <i>Water Research</i> , <b>2021</b> , 206, 117734	12.5	4
62	Assessing the impact of the threatened crucian carp ( <i>Carassius carassius</i> ) on pond invertebrate diversity: A comparison of conventional and molecular tools. <i>Molecular Ecology</i> , <b>2021</b> , 30, 3252-3269	5.7	4
61	Genomic network analysis of environmental and livestock F-type plasmid populations. <i>ISME Journal</i> , <b>2021</b> , 15, 2322-2335	11.9	4
60	Modelling Microplastics in the River Thames: Sources, Sinks and Policy Implications. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 861	3	11
59	Optimising sample preparation for FTIR-based microplastic analysis in wastewater and sludge samples: multiple digestions. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 3789-3799	4.4	10
58	Niche and local geography shape the pangenome of wastewater- and livestock-associated Enterobacteriaceae. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	12
57	Beyond Taxonomic Identification: Integration of Ecological Responses to a Soil Bacterial 16S rRNA Gene Database. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 682886	5.7	1
56	Tryptophan-like fluorescence as a high-level screening tool for detecting microbial contamination in drinking water. <i>Science of the Total Environment</i> , <b>2021</b> , 750, 141284	10.2	7
55	Contrasting community assembly processes structure lotic bacteria metacommunities along the river continuum. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 484-498	5.2	8
54	Semi-automated analysis of microplastics in complex wastewater samples. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115841	9.3	21
53	Application of eDNA metabarcoding in a fragmented lowland river: Spatial and methodological comparison of fish species composition. <i>Environmental DNA</i> , <b>2021</b> , 3, 458-471	7.6	4
52	The role of rhizofiltration and allelopathy on the removal of cyanobacteria in a continuous flow system. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 27731-27741	5.1	2
51	Gut and faecal bacterial community of the terrestrial isopod <i>Porcellionides pruinosus</i> : potential use for monitoring exposure scenarios. <i>Ecotoxicology</i> , <b>2021</b> , 30, 2096-2108	2.9	0
50	Integration of DNA extraction, metabarcoding and an informatics pipeline to underpin a national citizen science honey monitoring scheme. <i>MethodsX</i> , <b>2021</b> , 8, 101303	1.9	2

49	In-situ fluorescence spectroscopy indicates total bacterial abundance and dissolved organic carbon. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139419	10.2	11
48	Large-scale survey of seasonal drinking water quality in Malawi using in situ tryptophan-like fluorescence and conventional water quality indicators. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140674	10.2	10
47	Nutrient and microbial water quality of the upper Ganga River, India: identification of pollution sources. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 533	3.1	9
46	Tryptophan-like and humic-like fluorophores are extracellular in groundwater: implications as real-time faecal indicators. <i>Scientific Reports</i> , <b>2020</b> , 10, 15379	4.9	9
45	Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12326-12334	10.3	34
44	Environmental DNA (eDNA) metabarcoding of pond water as a tool to survey conservation and management priority mammals. <i>Biological Conservation</i> , <b>2019</b> , 238, 108225	6.2	32
43	Temporal and spatial variation in distribution of fish environmental DNA in England's largest lake. <i>Environmental DNA</i> , <b>2019</b> , 1, 26-39	7.6	52
42	Comparison of long-read sequencing technologies in the hybrid assembly of complex bacterial genomes. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	93
41	The impact of sequencing depth on the inferred taxonomic composition and AMR gene content of metagenomic samples. <i>Environmental Microbiomes</i> , <b>2019</b> , 14, 7	5.6	24
40	Prospects and challenges of environmental DNA (eDNA) monitoring in freshwater ponds. <i>Hydrobiologia</i> , <b>2019</b> , 826, 25-41	2.4	79
39	Development and application of environmental DNA surveillance for the threatened crucian carp ( <i>Carassius carassius</i> ). <i>Freshwater Biology</i> , <b>2019</b> , 64, 93-107	3.1	30
38	Using dissolved organic matter fluorescence to identify the provenance of nutrients in a lowland catchment; the River Thames, England. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1240-1252	10.2	9
37	Online fluorescence spectroscopy for the real-time evaluation of the microbial quality of drinking water. <i>Water Research</i> , <b>2018</b> , 137, 301-309	12.5	51
36	Characterisation of a major phytoplankton bloom in the River Thames (UK) using flow cytometry and high performance liquid chromatography. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 366-376	10.2	21
35	Weekly water quality monitoring data for the River Thames (UK) and its major tributaries (2009-2013): the Thames Initiative research platform. <i>Earth System Science Data</i> , <b>2018</b> , 10, 1637-1653	10.5	19
34	Phenotypic responses in <i>Caenorhabditis elegans</i> following chronic low-level exposures to inorganic and organic compounds. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 920-930	3.8	1
33	The effect of filtration method on the efficiency of environmental DNA capture and quantification via metabarcoding. <i>Molecular Ecology Resources</i> , <b>2018</b> , 18, 1102	8.4	39
32	Impacts of phosphorus concentration and light intensity on river periphyton biomass and community structure. <i>Hydrobiologia</i> , <b>2017</b> , 792, 315-330	2.4	27

31	Assessment of the bimodality in the distribution of bacterial genome sizes. <i>ISME Journal</i> , <b>2017</b> , 11, 821-829	6
30	Soil pH effects on the interactions between dissolved zinc, non-nano- and nano-ZnO with soil bacterial communities. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4120-8	5.1 63
29	Impacts of climate change, land-use change and phosphorus reduction on phytoplankton in the River Thames (UK). <i>Science of the Total Environment</i> , <b>2016</b> , 572, 1507-1519	10.2 59
28	Toxic interactions of different silver forms with freshwater green algae and cyanobacteria and their effects on mechanistic endpoints and the production of extracellular polymeric substances. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 396-408	7.1 42
27	Environmental DNA metabarcoding of lake fish communities reflects long-term data from established survey methods. <i>Molecular Ecology</i> , <b>2016</b> , 25, 3101-19	5.7 255
26	Riparian shading controls instream spring phytoplankton and benthic algal growth. <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 677-89	4.3 16
25	Identifying multiple stressor controls on phytoplankton dynamics in the River Thames (UK) using high-frequency water quality data. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 1489-1499	10.2 54
24	Dynamic modelling of multiple phytoplankton groups in rivers with an application to the Thames river system in the UK. <i>Environmental Modelling and Software</i> , <b>2015</b> , 74, 75-91	5.2 31
23	Catchment-scale biogeography of riverine bacterioplankton. <i>ISME Journal</i> , <b>2015</b> , 9, 516-26	11.9 134
22	Single Cell Microbial Ecophysiology with Raman-FISH. <i>Springer Protocols</i> , <b>2015</b> , 65-76	0.3
21	PIPITS: an automated pipeline for analyses of fungal internal transcribed spacer sequences from the Illumina sequencing platform. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 973-980	7.7 169
20	Tracing enteric pathogen contamination in sub-Saharan African groundwater. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 888-95	10.2 36
19	The effect of anthropogenic arsenic contamination on the earthworm microbiome. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 1884-96	5.2 85
18	Analytical approaches to support current understanding of exposure, uptake and distributions of engineered nanoparticles by aquatic and terrestrial organisms. <i>Ecotoxicology</i> , <b>2015</b> , 24, 239-61	2.9 42
17	Chemical fixation methods for Raman spectroscopy-based analysis of bacteria. <i>Journal of Microbiological Methods</i> , <b>2015</b> , 109, 79-83	2.8 23
16	Metalloproteins and phytochelatin synthase may confer protection against zinc oxide nanoparticle induced toxicity in <i>Caenorhabditis elegans</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 160, 75-85	3.2 29
15	Weekly flow cytometric analysis of riverine phytoplankton to determine seasonal bloom dynamics. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 594-603	4.3 29
14	A cost-effectiveness analysis of water security and water quality: impacts of climate and land-use change on the River Thames system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120413	3 44

13	Evidence for phenotypic plasticity among multihost <i>Campylobacter jejuni</i> and <i>C. coli</i> lineages, obtained using ribosomal multilocus sequence typing and Raman spectroscopy. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 965-73	4.8	19
12	Using boreholes as windows into groundwater ecosystems. <i>PLoS ONE</i> , <b>2013</b> , 8, e70264	3.7	37
11	Spatial and temporal changes in chlorophyll-a concentrations in the River Thames basin, UK: are phosphorus concentrations beginning to limit phytoplankton biomass?. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 45-55	10.2	76
10	Suction sampling as a significant source of error in molecular analysis of predator diets. <i>Bulletin of Entomological Research</i> , <b>2012</b> , 102, 261-6	1.7	13
9	Molecular analysis of predation: a review of best practice for DNA-based approaches. <i>Molecular Ecology</i> , <b>2008</b> , 17, 947-63	5.7	485
8	Evaluation of temperature gradient gel electrophoresis for the analysis of prey DNA within the guts of invertebrate predators. <i>Bulletin of Entomological Research</i> , <b>2006</b> , 96, 295-304	1.7	26
7	Molecular detection of predation by soil micro-arthropods on nematodes. <i>Molecular Ecology</i> , <b>2006</b> , 15, 1963-72	5.7	82
6	Raman-Fluorescence in Situ Hybridization 277-294		1
5	Temporal and spatial variation in distribution of fish environmental DNA in England's largest lake		3
4	Environmental DNA (eDNA) metabarcoding of pond water as a tool to survey conservation and management priority mammals		2
3	The impact of sequencing depth on the inferred taxonomic composition and AMR gene content of metagenomic samples		1
2	Niche and local geography shape the pangenome of wastewater- and livestock-associated Enterobacteriaceae		3
1	Tracing carbon and nitrogen microbial assimilation in suspended particles in freshwaters. <i>Biogeochemistry</i> , 1	3.8	0