

Daniel S Read

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1699284/daniel-s-read-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Molecular analysis of predation: a review of best practice for DNA-based approaches. <i>Molecular Ecology</i> , 2008 , 17, 947-63	5.7	485
65	Environmental DNA metabarcoding of lake fish communities reflects long-term data from established survey methods. <i>Molecular Ecology</i> , 2016 , 25, 3101-19	5.7	255
64	PIPITS: an automated pipeline for analyses of fungal internal transcribed spacer sequences from the Illumina sequencing platform. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 973-980	7.7	169
63	Catchment-scale biogeography of riverine bacterioplankton. <i>ISME Journal</i> , 2015 , 9, 516-26	11.9	134
62	Comparison of long-read sequencing technologies in the hybrid assembly of complex bacterial genomes. <i>Microbial Genomics</i> , 2019 , 5,	4.4	93
61	The effect of anthropogenic arsenic contamination on the earthworm microbiome. <i>Environmental Microbiology</i> , 2015 , 17, 1884-96	5.2	85
60	Molecular detection of predation by soil micro-arthropods on nematodes. <i>Molecular Ecology</i> , 2006 , 15, 1963-72	5.7	82
59	Prospects and challenges of environmental DNA (eDNA) monitoring in freshwater ponds. <i>Hydrobiologia</i> , 2019 , 826, 25-41	2.4	79
58	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> , 2012 , 426, 45-55	10.2	76
57	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> , 2016 , 23, 4120-8	5.1	63
56	Impacts of climate change, land-use change and phosphorus reduction on phytoplankton in the River Thames (UK). <i>Science of the Total Environment</i> , 2016 , 572, 1507-1519	10.2	59
55	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> , 2016 , 569-570, 1489-1499	10.2	54
54	Temporal and spatial variation in distribution of fish environmental DNA in England's largest lake. <i>Environmental DNA</i> , 2019 , 1, 26-39	7.6	52
53	Online fluorescence spectroscopy for the real-time evaluation of the microbial quality of drinking water. <i>Water Research</i> , 2018 , 137, 301-309	12.5	51
52	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> , 2013 , 371, 20120413	3	44
51	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> , 2016 , 3, 396-408	7.1	42
50	Analytical approaches to support current understanding of exposure, uptake and distributions of engineered nanoparticles by aquatic and terrestrial organisms. <i>Ecotoxicology</i> , 2015 , 24, 239-61	2.9	42

49	The effect of filtration method on the efficiency of environmental DNA capture and quantification via metabarcoding. <i>Molecular Ecology Resources</i> , 2018 , 18, 1102	8.4	39
48	Using boreholes as windows into groundwater ecosystems. <i>PLoS ONE</i> , 2013 , 8, e70264	3.7	37
47	Tracing enteric pathogen contamination in sub-Saharan African groundwater. <i>Science of the Total Environment</i> , 2015 , 538, 888-95	10.2	36
46	Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales. <i>Environmental Science & Technology</i> , 2020 , 54, 12326-12334 ^{10.3}	10.3	34
45	Environmental DNA (eDNA) metabarcoding of pond water as a tool to survey conservation and management priority mammals. <i>Biological Conservation</i> , 2019 , 238, 108225	6.2	32
44	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> , 2015 , 74, 75-91	5.2	31
43	Development and application of environmental DNA surveillance for the threatened crucian carp (<i>Carassius carassius</i>). <i>Freshwater Biology</i> , 2019 , 64, 93-107	3.1	30
42	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> , 2014 , 160, 75-85	3.2	29
41	Weekly flow cytometric analysis of riverine phytoplankton to determine seasonal bloom dynamics. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 594-603	4.3	29
40	Impacts of phosphorus concentration and light intensity on river periphyton biomass and community structure. <i>Hydrobiologia</i> , 2017 , 792, 315-330	2.4	27
39	Evaluation of temperature gradient gel electrophoresis for the analysis of prey DNA within the guts of invertebrate predators. <i>Bulletin of Entomological Research</i> , 2006 , 96, 295-304	1.7	26
38	The impact of sequencing depth on the inferred taxonomic composition and AMR gene content of metagenomic samples. <i>Environmental Microbiomes</i> , 2019 , 14, 7	5.6	24
37	Chemical fixation methods for Raman spectroscopy-based analysis of bacteria. <i>Journal of Microbiological Methods</i> , 2015 , 109, 79-83	2.8	23
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> , 2018 , 624, 366-376	10.2	21
35	Semi-automated analysis of microplastics in complex wastewater samples. <i>Environmental Pollution</i> , 2021 , 268, 115841	9.3	21
34	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> , 2013 , 79, 965-73	4.8	19
33	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> , 2018 , 10, 1637-1653	10.5	19
32	Riparian shading controls instream spring phytoplankton and benthic algal growth. <i>Environmental Sciences: Processes and Impacts</i> , 2016 , 18, 677-89	4.3	16

31	Suction sampling as a significant source of error in molecular analysis of predator diets. <i>Bulletin of Entomological Research</i> , 2012 , 102, 261-6	1.7	13
30	Niche and local geography shape the pangenome of wastewater- and livestock-associated Enterobacteriaceae. <i>Science Advances</i> , 2021 , 7,	14.3	12
29	In-situ fluorescence spectroscopy indicates total bacterial abundance and dissolved organic carbon. <i>Science of the Total Environment</i> , 2020 , 738, 139419	10.2	11
28	Modelling Microplastics in the River Thames: Sources, Sinks and Policy Implications. <i>Water (Switzerland)</i> , 2021 , 13, 861	3	11
27	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> , 2020 , 744, 140674	10.2	10
26	Optimising sample preparation for FTIR-based microplastic analysis in wastewater and sludge samples: multiple digestions. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3789-3799	4.4	10
25	Nutrient and microbial water quality of the upper Ganga River, India: identification of pollution sources. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 533	3.1	9
24	Tryptophan-like and humic-like fluorophores are extracellular in groundwater: implications as real-time faecal indicators. <i>Scientific Reports</i> , 2020 , 10, 15379	4.9	9
23	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> , 2019 , 653, 1240-1252	10.2	9
22	Contrasting community assembly processes structure lotic bacteria metacommunities along the river continuum. <i>Environmental Microbiology</i> , 2021 , 23, 484-498	5.2	8
21	Tryptophan-like fluorescence as a high-level screening tool for detecting microbial contamination in drinking water. <i>Science of the Total Environment</i> , 2021 , 750, 141284	10.2	7
20	Assessment of the bimodality in the distribution of bacterial genome sizes. <i>ISME Journal</i> , 2017 , 11, 821-829	8.4	6
19	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> , 2021 , 206, 117734	12.5	4
18	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> , 2021 , 30, 3252-3269	5.7	4
17	Genomic network analysis of environmental and livestock F-type plasmid populations. <i>ISME Journal</i> , 2021 , 15, 2322-2335	11.9	4
16	Application of eDNA metabarcoding in a fragmented lowland river: Spatial and methodological comparison of fish species composition. <i>Environmental DNA</i> , 2021 , 3, 458-471	7.6	4
15	Temporal and spatial variation in distribution of fish environmental DNA in England's largest lake		3
14	Niche and local geography shape the pangenome of wastewater- and livestock-associated Enterobacteriaceae		3

13	Systematic review of wastewater surveillance of antimicrobial resistance in human populations.. <i>Environment International</i> , 2022 , 162, 107171	12.9	3
12	Environmental DNA (eDNA) metabarcoding of pond water as a tool to survey conservation and management priority mammals		2
11	The role of rhizofiltration and allelopathy on the removal of cyanobacteria in a continuous flow system. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 27731-27741	5.1	2
10	Integration of DNA extraction, metabarcoding and an informatics pipeline to underpin a national citizen science honey monitoring scheme. <i>MethodsX</i> , 2021 , 8, 101303	1.9	2
9	Raman-Fluorescence in Situ Hybridization277-294		1
8	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> , 2021 , 7,	4.4	1
7	The impact of sequencing depth on the inferred taxonomic composition and AMR gene content of metagenomic samples		1
6	Beyond Taxonomic Identification: Integration of Ecological Responses to a Soil Bacterial 16S rRNA Gene Database. <i>Frontiers in Microbiology</i> , 2021 , 12, 682886	5.7	1
5	Phenotypic responses in <i>Caenorhabditis elegans</i> following chronic low-level exposures to inorganic and organic compounds. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 920-930	3.8	1
4	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> , 2022 , 211, 118054	12.5	0
3	Gut and faecal bacterial community of the terrestrial isopod <i>Porcellionides pruinosus</i> : potential use for monitoring exposure scenarios. <i>Ecotoxicology</i> , 2021 , 30, 2096-2108	2.9	0
2	Tracing carbon and nitrogen microbial assimilation in suspended particles in freshwaters. <i>Biogeochemistry</i> ,1	3.8	0
1	Single Cell Microbial Ecophysiology with Raman-FISH. <i>Springer Protocols</i> , 2015 , 65-76	0.3	