

Darren L Smith

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,681
citations

236925

25
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

7138
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 evolution during treatment of chronic infection. <i>Nature</i> , 2021, 592, 277-282.	27.8	802
2	Hospital admission and emergency care attendance risk for SARS-CoV-2 delta (B.1.617.2) compared with alpha (B.1.1.7) variants of concern: a cohort study. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 35-42.	9.1	612
3	Recurrent emergence of SARS-CoV-2 spike deletion H69/V70 and its role in the Alpha variant B.1.1.7. <i>Cell Reports</i> , 2021, 35, 109292.	6.4	375
4	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. <i>Lancet Public Health</i> , The, 2021, 6, e335-e345.	10.0	269
5	Exponential growth, high prevalence of SARS-CoV-2, and vaccine effectiveness associated with the Delta variant. <i>Science</i> , 2021, 374, eabl9551.	12.6	111
6	The effect of the timing of exposure to <i>Campylobacter jejuni</i> on the gut microbiome and inflammatory responses of broiler chickens. <i>Microbiome</i> , 2018, 6, 88.	11.1	104
7	Genome-based classification of micromonosporae with a focus on their biotechnological and ecological potential. <i>Scientific Reports</i> , 2018, 8, 525.	3.3	102
8	Comparative genomics of Shiga toxin encoding bacteriophages. <i>BMC Genomics</i> , 2012, 13, 311.	2.8	98
9	Identification of Carbohydrate Metabolism Genes in the Metagenome of a Marine Biofilm Community Shown to Be Dominated by Gammaproteobacteria and Bacteroidetes. <i>Genes</i> , 2010, 1, 371-384.	2.4	82
10	Immunity Profiles of Wild-Type and Recombinant Shiga-Like Toxin-Encoding Bacteriophages and Characterization of Novel Double Lysogens. <i>Infection and Immunity</i> , 2003, 71, 3409-3418.	2.2	80
11	Antiretroviral Solid Drug Nanoparticles with Enhanced Oral Bioavailability: Production, Characterization, and In Vitro/In Vivo Correlation. <i>Advanced Healthcare Materials</i> , 2014, 3, 400-411.	7.6	73
12	Short-Tailed Stx Phages Exploit the Conserved YaeT Protein To Disseminate Shiga Toxin Genes among Enterobacteria. <i>Journal of Bacteriology</i> , 2007, 189, 7223-7233.	2.2	68
13	Raltegravir Is a Substrate for SLC22A6: a Putative Mechanism for the Interaction between Raltegravir and Tenofovir. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 879-887.	3.2	58
14	The impact of viral mutations on recognition by SARS-CoV-2 specific T cells. <i>iScience</i> , 2021, 24, 103353.	4.1	57
15	Multicomponent Organic Nanoparticles for Fluorescence Studies in Biological Systems. <i>Advanced Functional Materials</i> , 2012, 22, 2469-2478.	14.9	56
16	The phage defence island of a multidrug resistant plasmid uses both BREX and type IV restriction for complementary protection from viruses. <i>Nucleic Acids Research</i> , 2021, 49, 11257-11273.	14.5	52
17	Polymicrobial airway bacterial communities in adult bronchiectasis patients. <i>BMC Microbiology</i> , 2014, 14, 130.	3.3	50
18	<i>Yersinia enterocolitica</i> -Specific Infection by Bacteriophages TG1 and ϕ R1-RT Is Dependent on Temperature-Regulated Expression of the Phage Host Receptor OmpF. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5340-5353.	3.1	44

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19	Accelerated oral nanomedicine discovery from miniaturized screening to clinical production exemplified by paediatric HIV nanotherapies. <i>Nature Communications</i> , 2016, 7, 13184.	12.8	44
20	Reducing Viability Bias in Analysis of Gut Microbiota in Preterm Infants at Risk of NEC and Sepsis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 237.	3.9	42
21	Genomic analysis of endemic clones of toxigenic and non-toxigenic <i>Corynebacterium diphtheriae</i> in Belarus during and after the major epidemic in 1990s. <i>BMC Genomics</i> , 2017, 18, 873.	2.8	41
22	Identification of multiple integration sites for Stx-phage ϕ 24B in the <i>Escherichia coli</i> genome, description of a novel integrase and evidence for a functional anti-repressor. <i>Microbiology (United Kingdom)</i> , 2018, 162, 1010-1019.	3.8	10
23	Temperate Bacteriophages from Chronic <i>Pseudomonas aeruginosa</i> Lung Infections Show Disease-Specific Changes in Host Range and Modulate Antimicrobial Susceptibility. <i>mSystems</i> , 2019, 4, .	3.8	38
24	Multilocus Characterization Scheme for Shiga Toxin-Encoding Bacteriophages. <i>Applied and Environmental Microbiology</i> , 2007, 73, 8032-8040.	3.1	35
25	Survival of a Shiga toxin-encoding bacteriophage in a compost model. <i>FEMS Microbiology Letters</i> , 2005, 245, 369-375.	1.8	31
26	High-Throughput Method for Rapid Induction of Prophages from Lysogens and Its Application in the Study of Shiga Toxin-Encoding <i>Escherichia coli</i> Strains. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2360-2365.	3.1	27
27	Virulence factors of <i>Moraxella catarrhalis</i> outer membrane vesicles are major targets for cross-reactive antibodies and have adapted during evolution. <i>Scientific Reports</i> , 2018, 8, 4955.	3.3	26
28	Synthesis and SAR evaluation of novel thioridazine derivatives active against drug-resistant tuberculosis. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 147-158.	5.5	25
29	The role of viral genomics in understanding COVID-19 outbreaks in long-term care facilities. <i>Lancet Microbe</i> , 2022, 3, e151-e158.	7.3	25
30	Persistent SARS-CoV-2 infection in patients with secondary antibody deficiency: successful clearance following combination casirivimab and imdevimab (REGN-COV2) monoclonal antibody therapy. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2021, 20, 85.	3.8	23
31	The Impact of <i>NOD2</i> Genetic Variants on the Gut Mycobiota in Crohn's Disease Patients in Remission and in Individuals Without Gastrointestinal Inflammation. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 800-812.	1.3	22
32	A metagenomic approach to characterize temperate bacteriophage populations from Cystic Fibrosis and non-Cystic Fibrosis bronchiectasis patients. <i>Frontiers in Microbiology</i> , 2015, 6, 97.	3.5	19
33	Shigatoxin encoding Bacteriophage ϕ 24B modulates bacterial metabolism to raise antimicrobial tolerance. <i>Scientific Reports</i> , 2017, 7, 40424.	3.3	19
34	Towards a rational design of solid drug nanoparticles with optimised pharmacological properties. <i>Journal of Interdisciplinary Nanomedicine</i> , 2016, 1, 110-123.	3.6	17
35	Acquisition and Development of the Extremely Preterm Infant Microbiota Across Multiple Anatomical Sites. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 70, 12-19.	1.8	16
36	Augmented Inhibition of CYP3A4 in Human Primary Hepatocytes by Ritonavir Solid Drug Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 3556-3568.	4.6	15

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37	The temperate Burkholderia phage AP3 of the Peduovirinae shows efficient antimicrobial activity against <i>B. cenocepacia</i> of the IIIA lineage. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1203-1216.	3.6	15
38	454-Pyrosequencing: A Molecular Battiscope for Freshwater Viral Ecology. <i>Genes</i> , 2010, 1, 210-226.	2.4	14
39	Gut Microbial Stability is Associated with Greater Endurance Performance in Athletes Undertaking Dietary Periodization. <i>MSystems</i> , 2022, 7, e0012922.	3.8	12
40	The clinical and microbiological utility of inhaled aztreonam lysine for the treatment of acute pulmonary exacerbations of cystic fibrosis: An open-label randomised crossover study (AZTEC-CF). <i>Journal of Cystic Fibrosis</i> , 2021, 20, 994-1002.	0.7	8
41	The involvement of the low-oxygen-activated locus of <i>Burkholderia cenocepacia</i> in adaptation during cystic fibrosis infection. <i>Scientific Reports</i> , 2018, 8, 13386.	3.3	7
42	YerA41, a <i>Yersinia ruckeri</i> Bacteriophage: Determination of a Non-Sequencable DNA Bacteriophage Genome via RNA-Sequencing. <i>Viruses</i> , 2020, 12, 620.	3.3	7
43	Response: Commentary: Reducing Viability Bias in Analysis of Gut Microbiota in Preterm Infants at Risk of NEC and Sepsis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 374.	3.9	3
44	Short communication: Characterization of Shiga toxin 2-carrying bacteriophages induced from Shiga-toxigenic <i>Escherichia coli</i> isolated from Italian dairy products. <i>Journal of Dairy Science</i> , 2012, 95, 6949-6956.	3.4	2
45	Optimisation and Application of a Novel Method to Identify Bacteriophages in Maternal Milk and Infant Stool Identifies Host-Phage Communities Within Preterm Infant Gut. <i>Frontiers in Pediatrics</i> , 2022, 10, 856520.	1.9	2
46	Comparison of temperate bacteriophages of <i>Pseudomonas aeruginosa</i> from the lungs of chronically infected non-cystic fibrosis bronchiectasis patients over a period 10 years. <i>Access Microbiology</i> , 2019, 1, .	0.5	0