

Stephen J Bent

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,428
citations

218677

26
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

5533
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological changes and genome evolution in <i>Raphidiopsis raciborskii</i> CS-506 after 23 years in living culture. <i>Applied Phycology</i> , 2022, 3, 189-198.	1.3	6
2	Assessing <i>DNA</i> for fish identifications from reference collections: the good, bad and ugly shed light on formalin fixation and sequencing approaches. <i>Journal of Fish Biology</i> , 2021, 98, 1421-1432.	1.6	8
3	Genome sequencing in persistently unsolved white matter disorders. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 144-152.	3.7	26
4	Heterozygous Variants in the Mechanosensitive Ion Channel TMEM63A Result in Transient Hypomyelination during Infancy. <i>American Journal of Human Genetics</i> , 2019, 105, 996-1004.	6.2	52
5	Leukoencephalopathy due to variants in <i>GFPT1</i> associated congenital myasthenic syndrome. <i>Neurology</i> , 2019, 92, e587-e593.	1.1	14
6	Pathogenic copy number variants that affect gene expression contribute to genomic burden in cerebral palsy. <i>Npj Genomic Medicine</i> , 2018, 3, 33.	3.8	31
7	A novel embryo culture media supplement that improves pregnancy rates in mice. <i>Reproduction</i> , 2017, 153, 327-340.	2.6	7
8	Placental transcriptome co-expression analysis reveals conserved regulatory programs across gestation. <i>BMC Genomics</i> , 2017, 18, 10.	2.8	26
9	Mural lymphatic endothelial cells regulate meningeal angiogenesis in the zebrafish. <i>Nature Neuroscience</i> , 2017, 20, 774-783.	14.8	91
10	X-linked hypomyelination with spondylometaphyseal dysplasia (H-SMD) associated with mutations in AIFM1. <i>Neurogenetics</i> , 2017, 18, 185-194.	1.4	38
11	Closely-related <i>Borrelia burgdorferi</i> (sensu stricto) strains exhibit similar fitness in single infections and asymmetric competition in multiple infections. <i>Parasites and Vectors</i> , 2017, 10, 64.	2.5	21
12	A recurrent de novo mutation in TMEM106B causes hypomyelinating leukodystrophy. <i>Brain</i> , 2017, 140, 3105-3111.	7.6	64
13	Effects of long-term tenofovir-based combination antiretroviral therapy in HIV-hepatitis B virus coinfection on persistent hepatitis B virus viremia and the role of hepatitis B virus quasispecies diversity. <i>Aids</i> , 2016, 30, 1597-1606.	2.2	15
14	Genomic Comparison of Two O111:H ⁺ Enterohemorrhagic <i>Escherichia coli</i> Isolates from a Historic Hemolytic-Uremic Syndrome Outbreak in Australia. <i>Infection and Immunity</i> , 2016, 84, 775-781.	2.2	14
15	A discrete role for FNR in the transcriptional response to moderate changes in oxygen by <i>Haemophilus influenzae</i> Rd KW20. <i>Research in Microbiology</i> , 2016, 167, 103-113.	2.1	1
16	Generation of a Chimeric Hepatitis C Replicon Encoding a Genotype-6a NS3 Protease and Assessment of Boceprevir (SCH503034) Sensitivity and Drug-Associated Mutations. <i>Antiviral Therapy</i> , 2015, 20, 271-280.	1.0	4
17	Inducible and Reversible Lentiviral and Recombination Mediated Cassette Exchange (RMCE) Systems for Controlling Gene Expression. <i>PLoS ONE</i> , 2015, 10, e0116373.	2.5	4
18	A genetic screen reveals a periplasmic copper chaperone required for nitrite reductase activity in pathogenic <i>Neisseria</i> . <i>FASEB Journal</i> , 2015, 29, 3828-3838.	0.5	16

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19	Whole genome capture of vector-borne pathogens from mixed DNA samples: a case study of <i>Borrelia burgdorferi</i> . BMC Genomics, 2015, 16, 434.	2.8	38
20	<i>Borrelia burgdorferi</i> sensu stricto and <i>Borrelia afzelii</i> : Population structure and differential pathogenicity. International Journal of Medical Microbiology, 2015, 305, 673-681.	3.6	40
21	Monitoring Human Babesiosis Emergence through Vector Surveillance New England, USA. Emerging Infectious Diseases, 2014, 20, 225-231.	4.3	8
22	Integrative transcriptome meta-analysis reveals widespread sex-biased gene expression at the human fetal-maternal interface. Molecular Human Reproduction, 2014, 20, 810-819.	2.8	139
23	<i>massiR</i> : a method for predicting the sex of samples in gene expression microarray datasets. Bioinformatics, 2014, 30, 2084-2085.	4.1	26
24	Monitoring Human Babesiosis Emergence through Vector Surveillance New England, USA. Emerging Infectious Diseases, 2014, 20, 225-231.	4.3	64
25	There is a specific response to pH by isolates of <i>Haemophilus influenzae</i> and this has a direct influence on biofilm formation. BMC Microbiology, 2014, 14, 47.	3.3	11
26	Phylogeny of beak and feather disease virus in cockatoos demonstrates host generalism and multiple-variant infections within Psittaciformes. Virology, 2014, 460-461, 72-82.	2.4	55
27	Quantitative PCR for Detection of <i>Babesia microti</i> in <i>Ixodes scapularis</i> Ticks and in Human Blood. Vector-Borne and Zoonotic Diseases, 2013, 13, 784-790.	1.5	40
28	Identification of <i>Borrelia burgdorferi</i> ospC Genotypes in Host Tissue and Feeding Ticks by Terminal Restriction Fragment Length Polymorphisms. Applied and Environmental Microbiology, 2013, 79, 958-964.	3.1	8
29	<i>Colpodella</i> spp. "like Parasite Infection in Woman, China. Emerging Infectious Diseases, 2012, 18, 125-127.	4.3	40
30	Loop analysis for pathogens: niche partitioning in the transmission graph for pathogens of the North American tick <i>Ixodes scapularis</i> . Journal of Theoretical Biology, 2011, 269, 96-103.	1.7	27
31	Regional Variation in Immature <i>Ixodes scapularis</i> Parasitism on North American Songbirds: Implications for Transmission of the Lyme Pathogen, <i>Borrelia burgdorferi</i> . Journal of Medical Entomology, 2011, 48, 422-428.	1.8	23
32	Genotypic Diversity of <i>Borrelia burgdorferi</i> Strains Detected in <i>Ixodes scapularis</i> Larvae Collected from North American Songbirds. Applied and Environmental Microbiology, 2010, 76, 8265-8268.	3.1	24
33	One Health approach to identify research needs in bovine and human babesioses: workshop report. Parasites and Vectors, 2010, 3, 36.	2.5	61
34	Phylogeography of <i>Borrelia burgdorferi</i> in the eastern United States reflects multiple independent Lyme disease emergence events. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15013-15018.	7.1	148
35	Bacterial succession in a glacier foreland of the High Arctic. ISME Journal, 2009, 3, 1258-1268.	9.8	102
36	Advances in the use of terminal restriction fragment length polymorphism (T-RFLP) analysis of 16S rRNA genes to characterize microbial communities. Applied Microbiology and Biotechnology, 2008, 80, 365-380.	3.6	318

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37	The tragedy of the uncommon: understanding limitations in the analysis of microbial diversity. ISME Journal, 2008, 2, 689-695.	9.8	244
38	Measuring Species Richness Based on Microbial Community Fingerprints: the Emperor Has No Clothes. Applied and Environmental Microbiology, 2007, 73, 2399-2401.	3.1	100
39	MiCA: A Web-Based Tool for the Analysis of Microbial Communities Based on Terminal-Restriction Fragment Length Polymorphisms of 16S and 18S rRNA Genes. Microbial Ecology, 2007, 53, 562-570.	2.8	215
40	Statistical methods for characterizing diversity of microbial communities by analysis of terminal restriction fragment length polymorphisms of 16S rRNA genes. Environmental Microbiology, 2006, 8, 929-938.	3.8	369
41	Characterization of vaginal microbial communities in adult healthy women using cultivation-independent methods. Microbiology (United Kingdom), 2004, 150, 2565-2573.	1.8	438
42	Spatial Distribution of Rhodospseudomonas palustris Ecotypes on a Local Scale. Applied and Environmental Microbiology, 2003, 69, 5192-5197.	3.1	37
43	Parathyroid hormone-related peptide and Indian hedgehog expression patterns in naturally acquired equine osteochondrosis. Journal of Orthopaedic Research, 2002, 20, 1290-1297.	2.3	30
44	Chondrocytic differentiation of mesenchymal stem cells sequentially exposed to transforming growth factor- β 1 in monolayer and insulin-like growth factor- β 1 in a three-dimensional matrix. Journal of Orthopaedic Research, 2001, 19, 738-749.	2.3	242
45	Gene mediated insulin-like growth factor-I delivery to the synovium. Journal of Orthopaedic Research, 2001, 19, 759-767.	2.3	31
46	Insulinlike Growth Factor-I Gene Therapy Applications for Cartilage Repair. Clinical Orthopaedics and Related Research, 2000, 379, S201-S213.	1.5	100