Julianne H Grose

List of Publications by Year
in descending order

76 papers	2,210 citations	331670 21 h-index	243625 44 g-index
79 all docs	79 docs citations	79 times ranked	3386 citing authors

#	Article	IF	Citations
1	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. EBioMedicine, 2015, 2, 968-984.	6.1	306
2	Understanding the enormous diversity of bacteriophages: The tailed phages that infect the bacterial family Enterobacteriaceae. Virology, 2014, 468-470, 421-443.	2.4	215
3	Prophage-mediated defence against viral attack and viral counter-defence. Nature Microbiology, 2017, 2, 16251.	13.3	196
4	An inclusive Research Education Community (iREC): Impact of the SEA-PHAGES program on research outcomes and student learning. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13531-13536.	7.1	155
5	Gender-based differences in host behavior and gut microbiota composition in response to high fat diet and stress in a mouse model. Scientific Reports, 2017, 7, 10776.	3.3	112
6	Evidence that feedback inhibition of NAD kinase controls responses to oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7601-7606.	7.1	110
7	Software-based analysis of bacteriophage genomes, physical ends, and packaging strategies. BMC Genomics, 2016, 17, 679.	2.8	87
8	Genomic comparison of 93 Bacillus phages reveals 12 clusters, 14 singletons and remarkable diversity. BMC Genomics, 2014, 15, 855.	2.8	68
9	Regulation of NAD Synthesis by the Trifunctional NadR Protein of Salmonella enterica. Journal of Bacteriology, 2005, 187, 2774-2782.	2.2	63
10	Contributions of P2- and P22-like prophages to understanding the enormous diversity and abundance of tailed bacteriophages. Virology, 2016, 496, 255-276.	2.4	61
11	Critical Residues Influence the Affinity and Selectivity of Î±-Conotoxin MI for Nicotinic Acetylcholine Receptorsâ€. Biochemistry, 1999, 38, 13310-13315.	2.5	48
12	Phage cluster relationships identified through single gene analysis. BMC Genomics, 2013, 14, 410.	2.8	47
13	PAS kinase is activated by direct SNF1-dependent phosphorylation and mediates inhibition of TORC1 through the phosphorylation and activation of Pbp1. Molecular Biology of the Cell, 2015, 26, 569-582.	2.1	45
14	Yeast PAS kinase coordinates glucose partitioning in response to metabolic and cell integrity signaling. EMBO Journal, 2007, 26, 4824-4830.	7.8	44
15	A Novel, Highly Related Jumbo Family of Bacteriophages That Were Isolated Against Erwinia. Frontiers in Microbiology, 2019, 10, 1533.	3.5	43
16	The effects of diet and sex in amyotrophic lateral sclerosis. Revue Neurologique, 2020, 176, 301-315.	1.5	42
17	The Genomes, Proteomes, and Structures of Three Novel Phages That Infect the Bacillus cereus Group and Carry Putative Virulence Factors. Journal of Virology, 2014, 88, 11846-11860.	3.4	37
18	Genomic comparison of 60 completely sequenced bacteriophages that infect Erwinia and/or Pantoea bacteria. Virology, 2019, 535, 59-73.	2.4	35

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19	Characterization of Paenibacillus larvae bacteriophages and their genomic relationships to firmicute bacteriophages. BMC Genomics, 2014, 15, 745.	2.8	32
20	Assimilation of Nicotinamide Mononucleotide Requires Periplasmic AphA Phosphatase in Salmonella enterica. Journal of Bacteriology, 2005, 187, 4521-4530.	2.2	31
21	A complex molecular switch directs stress-induced cyclin C nuclear release through SCF^{Grr1}-mediated degradation of Med13. Molecular Biology of the Cell, 2018, 29, 363-375.	2.1	29
22	Genomic Analysis of 48 Paenibacillus larvae Bacteriophages. Viruses, 2018, 10, 377.	3.3	26
23	Characterization of Five Novel Brevibacillus Bacteriophages and Genomic Comparison of Brevibacillus Phages. PLoS ONE, 2016, 11, e0156838.	2.5	22
24	Genome Sequences of 19 Novel Erwinia amylovora Bacteriophages. Genome Announcements, 2017, 5, .	0.8	22
25	PAS kinase: A nutrient sensing regulator of glucose homeostasis. IUBMB Life, 2013, 65, 921-929.	3.4	21
26	Personal microbiome analysis improves student engagement and interest in Immunology, Molecular Biology, and Genomics undergraduate courses. PLoS ONE, 2018, 13, e0193696.	2.5	20
27	The Role of PAS Kinase in PASsing the Glucose Signal. Sensors, 2010, 10, 5668-5682.	3.8	19
28	MRI evaluation of spontaneous intervertebral disc degeneration in the alpaca cervical spine. Journal of Orthopaedic Research, 2015, 33, 1776-1783.	2.3	19
29	Snf1 cooperates with the CWI MAPK pathway to mediate the degradation of Med13 following oxidative stress. Microbial Cell, 2018, 5, 357-370.	3.2	19
30	Characterization of two related Erwinia myoviruses that are distant relatives of the PhiKZ-like Jumbo phages. PLoS ONE, 2018, 13, e0200202.	2.5	17
31	Regulation and function of yeast PAS kinase: A role in the maintenance of cellular integrity. Cell Cycle, 2009, 8, 1824-1832.	2.6	13
32	Complete Genome Sequences of Five Paenibacillus larvae Bacteriophages. Genome Announcements, 2013, 1, .	0.8	13
33	A comprehensive proteinâ€“protein interactome for yeast PAS kinase 1 reveals direct inhibition of respiration through the phosphorylation of Cbf1. Molecular Biology of the Cell, 2014, 25, 2199-2215.	2.1	13
34	Complete Genome Sequences of Paenibacillus larvae Phages BN12, Dragolir, Kiel007, Leyra, Likha, Pagassa, PBL1c, and Tadhana. Genome Announcements, 2018, 6, .	0.8	12
35	Genome Sequences of Nine Erwinia amylovora Bacteriophages. Microbiology Resource Announcements, 2018, 7, .	0.6	11
36	Characterization of the Cardiac Overexpression of HSPB2 Reveals Mitochondrial and Myogenic Roles Supported by a Cardiac HspB2 Interactome. PLoS ONE, 2015, 10, e0133994.	2.5	11

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37	Biomechanical analysis of the camelid cervical intervertebral disc. Journal of Orthopaedic Translation, 2015, 3, 34-43.	3.9	10
38	Complete Genome Sequences of Paenibacillus larvae Phages Halcyone, Heath, Scottie, and Unity from Las Vegas, Nevada. Microbiology Resource Announcements, 2018, 7, .	0.6	10
39	Genome Sequences of Three Novel Bacillus cereus Bacteriophages. Genome Announcements, 2014, 2, .	0.8	9
40	Aggregate-Prone R120GCRYAB Triggers Multifaceted Modifications of the Thioredoxin System. Antioxidants and Redox Signaling, 2014, 20, 2891-2906.	5.4	9
41	Presence and stability of SARS-CoV-2 on environmental currency and money cards in Utah reveals a lack of live virus. PLoS ONE, 2022, 17, e0263025.	2.5	9
42	Per-Arnt-Sim Kinase (PASK) Deficiency Increases Cellular Respiration on a Standard Diet and Decreases Liver Triglyceride Accumulation on a Western High-Fat High-Sugar Diet. Nutrients, 2018, 10, 1990.	4.1	8
43	Atypical chemokine receptor ACKR2-V41A has decreased CCL2 binding, scavenging, and activation, supporting sustained inflammation and increased Alzheimerâ€™s disease risk. Scientific Reports, 2020, 10, 8019.	3.3	7
44	The Use of Bacteriophages and Immunological Monitoring for the Treatment of a Case of Chronic Septicemic Cutaneous Ulcerative Disease in a Loggerhead Sea Turtle Caretta caretta. Journal of Aquatic Animal Health, 2021, 33, 139-154.	1.4	7
45	A PCR-Based Method for Distinguishing between Two Common Beehive Bacteria, Paenibacillus larvae and Brevibacillus laterosporus. Applied and Environmental Microbiology, 2018, 84, .	3.1	6
46	Genome Sequences of 12 Phages That Infect Klebsiella pneumoniae. Microbiology Resource Announcements, 2020, 9, .	0.6	6
47	Complete Genome Sequences of 18 Paenibacillus larvae Phages from the Western United States. Microbiology Resource Announcements, 2018, 7, .	0.6	5
48	Genome Sequences of Five Additional Brevibacillus laterosporus Bacteriophages. Genome Announcements, 2015, 3, .	0.8	4
49	The BMP2 nuclear variant, nBMP2, is expressed in mouse hippocampus and impacts memory. Scientific Reports, 2017, 7, 46464.	3.3	4
50	The Regulation of Cbf1 by PAS Kinase Is a Pivotal Control Point for Lipogenesis vs. Respiration in Saccharomyces cerevisiae. G3: Genes, Genomes, Genetics, 2019, 9, 33-46.	1.8	4
51	Gut Microbiota Regulates the Interaction between Diet and Genetics to Influence Glucose Tolerance. Medicines (Basel, Switzerland), 2021, 8, 34.	1.4	4
52	Genome Sequences of 22 T1-like Bacteriophages That Infect Enterobacteriales. Microbiology Resource Announcements, 2022, 11, e0122121.	0.6	4
53	The small genome, virulent, non-contractile tailed bacteriophages that infect Enterobacteriales hosts. Virology, 2022, 573, 151-166.	2.4	4
54	The nuclear variant of bone morphogenetic protein 2 (nBMP2) is expressed in macrophages and alters calcium response. Scientific Reports, 2019, 9, 934.	3.3	3

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55	Targeted Mutation of Nuclear Bone Morphogenetic Protein 2 Impairs Secondary Immune Response in a Mouse Model. BioMed Research International, 2015, 2015, 1-13.	1.9	2
56	Genome Sequences of Two Bacillus Phages Isolated from Indonesia. Microbiology Resource Announcements, 2019, 8, .	0.6	2
57	Complete Genome Sequences of Five SO-1-Like Siphoviridae Bacteriophages That Infect Enterobacteriales. Microbiology Resource Announcements, 2022, 11, e0122421.	0.6	2
58	Complete Genome Sequences of Six Chi-Like Bacteriophages That Infect Proteus and Klebsiella. Microbiology Resource Announcements, 2022, 11, e0121521.	0.6	2
59	Genome Sequences of 14 Siphophages That Infect Serratia marcescens. Microbiology Resource Announcements, 2022, 11, e0121221.	0.6	2
60	Genome Sequences of Five B1 Subcluster Mycobacteriophages. Genome Announcements, 2013, 1, .	0.8	1
61	Complete Genome Sequences of Five Bacteriophages That Infect Enterobacteriales Hosts. Microbiology Resource Announcements, 2022, , e0122321.	0.6	1
62	Bacteriophage Diversity. , 2021, , 265-275.		0
63	Nuclear localization of GDFâ€5. FASEB Journal, 2006, 20, A545.	0.5	0
64	A novel function for a ribosomal protein in transcriptional regulation. FASEB Journal, 2006, 20, .	0.5	0
65	Coordinate regulation of Col11a2 and Col27a1 by the transcription factor Lcâ€Maf. FASEB Journal, 2006, 20, A77.	0.5	0
66	Determining the function of nuclear Bmp4. FASEB Journal, 2009, 23, 848.6.	0.5	0
67	Mice bearing a targeted inactivation of nBmp2 show decreased muscle strength. FASEB Journal, 2009, 23, 685.2.	0.5	0
68	Nuclear Bmp2 (nBmp2) Alters the Expression of Several Genes. FASEB Journal, 2009, 23, 660.8.	0.5	0
69	ROC1 and ROC2: Interactions with the Nuclear Variant of Bmp4. FASEB Journal, 2009, 23, 848.10.	0.5	0
70	Nuclear Bmp4: a novel ROC1 and ROC2 binding partner. FASEB Journal, 2010, 24, lb89.	0.5	0
71	Nuclear bone morphogenetic protein 2 mutant mice exhibit slowed relaxation and a shift in the force frequency relationship in skeletal muscle. FASEB Journal, 2010, 24, lb676.	0.5	0
72	Nuclear Bmp4 interacts with the SCF E3 ubiquitin ligase complex and inhibits the cell cycle. FASEB Journal, 2012, 26, lb216.	0.5	0

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73	Mice bearing a targeted mutation of nBmp2 display decreased memory capabilities. FASEB Journal, 2012, 26, lb142.	0.5	0
74	Lack of nuclear BMPâ€2 causes reduced spleen size. FASEB Journal, 2013, 27, 601.12.	0.5	0
75	Nuclear localized BMP2 promotes cell cycle progression. FASEB Journal, 2013, 27, 1029.1.	0.5	0
76	Gut Microbiota Regulates the Interplay between Diet and Genetics to Influence Glucose Tolerance â€. , 2020, 61, .		0