

Semen A Leyn

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,560
citations

331259

21
h-index

414034

32
g-index

34
all docs

34
docs citations

34
times ranked

3899
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	6.0	580
2	RegPrecise 3.0 – A resource for genome-scale exploration of transcriptional regulation in bacteria. <i>BMC Genomics</i> , 2013, 14, 745.	1.2	408
3	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , 2019, 365, .	6.0	305
4	A sparse covarying unit that describes healthy and impaired human gut microbiota development. <i>Science</i> , 2019, 365, .	6.0	136
5	Transcriptional Regulation of Central Carbon and Energy Metabolism in Bacteria by Redox-Responsive Repressor Rex. <i>Journal of Bacteriology</i> , 2012, 194, 1145-1157.	1.0	120
6	Micronutrient Requirements and Sharing Capabilities of the Human Gut Microbiome. <i>Frontiers in Microbiology</i> , 2019, 10, 1316.	1.5	113
7	Duodenal Microbiota in Stunted Undernourished Children with Enteropathy. <i>New England Journal of Medicine</i> , 2020, 383, 321-333.	13.9	105
8	B-Vitamin Sharing Promotes Stability of Gut Microbial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 1485.	1.5	86
9	Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95.	13.7	70
10	Ribulokinase and Transcriptional Regulation of Arabinose Metabolism in <i>Clostridium acetobutylicum</i> . <i>Journal of Bacteriology</i> , 2012, 194, 1055-1064.	1.0	54
11	Genomic Reconstruction of the Transcriptional Regulatory Network in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2013, 195, 2463-2473.	1.0	54
12	Control of Proteobacterial Central Carbon Metabolism by the HexR Transcriptional Regulator. <i>Journal of Biological Chemistry</i> , 2011, 286, 35782-35794.	1.6	51
13	Transcriptional Regulation of Carbohydrate Utilization Pathways in the <i>Bifidobacterium</i> Genus. <i>Frontiers in Microbiology</i> , 2016, 7, 120.	1.5	50
14	Bioremediation of a Common Product of Food Processing by a Human Gut Bacterium. <i>Cell Host and Microbe</i> , 2019, 26, 463-477.e8.	5.1	43
15	Tetracenomycin X inhibits translation by binding within the ribosomal exit tunnel. <i>Nature Chemical Biology</i> , 2020, 16, 1071-1077.	3.9	43
16	Comparative genomics of metabolic capacities of regulons controlled by cis-regulatory RNA motifs in bacteria. <i>BMC Genomics</i> , 2013, 14, 597.	1.2	39
17	A Novel Transcriptional Regulator Related to Thiamine Phosphate Synthase Controls Thiamine Metabolism Genes in Archaea. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	38
18	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , 2020, 27, 899-908.e5.	5.1	38

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19	N-Acetylgalactosamine Utilization Pathway and Regulon in Proteobacteria. <i>Journal of Biological Chemistry</i> , 2012, 287, 28047-28056.	1.6	30
20	Identifying determinants of bacterial fitness in a model of human gut microbial succession. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2622-2633.	3.3	29
21	Comparative Genomics of DtxR Family Regulons for Metal Homeostasis in Archaea. <i>Journal of Bacteriology</i> , 2015, 197, 451-458.	1.0	25
22	Novel inositol catabolic pathway in <i>Thermotoga maritima</i> . <i>Environmental Microbiology</i> , 2013, 15, 2254-2266.	1.8	23
23	Comparative Genomics of Transcriptional Regulation of Methionine Metabolism in Proteobacteria. <i>PLoS ONE</i> , 2014, 9, e113714.	1.1	20
24	Genomic Reconstruction of Carbohydrate Utilization Capacities in Microbial-Mat Derived Consortia. <i>Frontiers in Microbiology</i> , 2017, 8, 1304.	1.5	20
25	Comparative genomics and evolution of transcriptional regulons in Proteobacteria. <i>Microbial Genomics</i> , 2016, 2, e000061.	1.0	18
26	Global Expansion of Linezolid-Resistant Coagulase-Negative Staphylococci. <i>Frontiers in Microbiology</i> , 2021, 12, 661798.	1.5	14
27	Experimental evolution in morbidostat reveals converging genomic trajectories on the path to triclosan resistance. <i>Microbial Genomics</i> , 2021, 7, .	1.0	13
28	Novel Transcriptional Regulons for Autotrophic Cycle Genes in Crenarchaeota. <i>Journal of Bacteriology</i> , 2015, 197, 2383-2391.	1.0	11
29	Shared and Unique Evolutionary Trajectories to Ciprofloxacin Resistance in Gram-Negative Bacterial Pathogens. <i>MBio</i> , 2021, 12, e0098721.	1.8	11
30	Complete and Draft Genome Sequences of 12 Plant-Associated <i>Rhizobium</i> Strains of Known and Putative New Species. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	8
31	Draft Genome Sequences of Two <i>Vibrio parahaemolyticus</i> Strains Associated with Gastroenteritis after Raw Seafood Ingestion in Colorado. <i>Genome Announcements</i> , 2018, 6, .	0.8	3
32	Draft Genome Sequences of 13 Plant-Associated Actinobacteria of the Family Microbacteriaceae. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	2
33	Comparative Genomics and Functional Analysis of Carbohydrate Utilization Networks in Unicyanobacterial Consortia Derived from Hypersaline Lake Microbial Mats. <i>FASEB Journal</i> , 2016, 30, .	0.2	0