Sinem Beyhan

List of Publications by Year
in descending order

32 papers	2,335 citations	430874 18 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	2332 citing authors

#	Article	IF	Citations
1	<i>Vibrio cholerae</i> VpsT Regulates Matrix Production and Motility by Directly Sensing Cyclic di-GMP. Science, 2010, 327, 866-868.	12.6	397
2	Transcriptome and Phenotypic Responses of Vibrio cholerae to Increased Cyclic di-GMP Level. Journal of Bacteriology, 2006, 188, 3600-3613.	2.2	189
3	The <i>Vibrio cholerae</i> Flagellar Regulatory Hierarchy Controls Expression of Virulence Factors. Journal of Bacteriology, 2009, 191, 6555-6570.	2.2	186
4	Cyclic-diGMP signal transduction systems in Vibrio cholerae: modulation of rugosity and biofilm formation. Molecular Microbiology, 2006, 60, 331-348.	2.5	179
5	Regulation of Rugosity and Biofilm Formation in Vibrio cholerae : Comparison of VpsT and VpsR Regulons and Epistasis Analysis of vpsT , vpsR , and hapR. Journal of Bacteriology, 2007, 189, 388-402.	2.2	170
6	Indole Acts as an Extracellular Cue Regulating Gene Expression in<i>Vibrio cholerae</i>. Journal of Bacteriology, 2009, 191, 3504-3516.	2.2	147
7	Smooth to rugose phase variation in Vibrio cholerae can be mediated by a single nucleotide change that targets câ€diâ€GMP signalling pathway. Molecular Microbiology, 2007, 63, 995-1007.	2.5	115
8	A Temperature-Responsive Network Links Cell Shape and Virulence Traits in a Primary Fungal Pathogen. PLoS Biology, 2013, 11, e1001614.	5.6	115
9	Emerging Priorities for Microbiome Research. Frontiers in Microbiology, 2020, 11, 136.	3.5	113
10	Identification and Characterization of Cyclic Diguanylate Signaling Systems Controlling Rugosity in <i>Vibrio cholerae</i>. Journal of Bacteriology, 2008, 190, 7392-7405.	2.2	108
11	Regulation of Vibrio Polysaccharide Synthesis and Virulence Factor Production by CdgC, a GGDEF-EAL Domain Protein, in Vibrio cholerae. Journal of Bacteriology, 2007, 189, 717-729.	2.2	88
12	Identification and Characterization of a Phosphodiesterase That Inversely Regulates Motility and Biofilm Formation in <i>Vibrio cholerae</i>. Journal of Bacteriology, 2010, 192, 4541-4552.	2.2	76
13	Differences in Gene Expression between the Classical and El Tor Biotypes of Vibrio cholerae O1. Infection and Immunity, 2006, 74, 3633-3642.	2.2	72
14	The LonA Protease Regulates Biofilm Formation, Motility, Virulence, and the Type VI Secretion System in Vibrio cholerae. Journal of Bacteriology, 2016, 198, 973-985.	2.2	61
15	Mechanism-of-Action Classification of Antibiotics by Global Transcriptome Profiling. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	56
16	The <i>Vibrio cholerae</i> virulence regulatory cascade controls glucose uptake through activation of TarA, a small regulatory RNA. Molecular Microbiology, 2010, 78, 1171-1181.	2.5	46
17	Cell Envelope Perturbation Induces Oxidative Stress and Changes in Iron Homeostasis in<i>Vibrio cholerae</i>. Journal of Bacteriology, 2009, 191, 5398-5408.	2.2	43
18	A Bacterial Phage Tail-like Structure Kills Eukaryotic Cells by Injecting a Nuclease Effector. Cell Reports, 2019, 28, 295-301.e4.	6.4	39

#	Article	IF	Citations
19	Opposing signaling pathways regulate morphology in response to temperature in the fungal pathogen Histoplasma capsulatum. PLoS Biology, 2019, 17, e3000168.	5.6	22
20	Predicting antimicrobial mechanism-of-action from transcriptomes: A generalizable explainable artificial intelligence approach. PLoS Computational Biology, 2021, 17, e1008857.	3.2	16
21	Transcriptional Analysis of Coccidioides immitis Mycelia and Spherules by RNA Sequencing. Journal of Fungi (Basel, Switzerland), 2021, 7, 366.	3.5	13
22	Genetic diversity of clinical and environmental Mucorales isolates obtained from an investigation of mucormycosis cases among solid organ transplant recipients. Microbial Genomics, 2020, 6, .	2.0	10
23	Onydecalins, Fungal Polyketides with Anti-<i>Histoplasma</i> and Anti-TRP Activity. Journal of Natural Products, 2018, 81, 2605-2611.	3.0	9
24	The WOPR family protein Ryp1 is a key regulator of gene expression, development, and virulence in the thermally dimorphic fungal pathogen Coccidioides posadasii. PLoS Pathogens, 2022, 18, e1009832.	4.7	9
25	Sensing the heat and the host: Virulence determinants of Histoplasma capsulatum. Virulence, 2019, 10, 793-800.	4.4	8
26	Secondary Metabolites of Onygenales Fungi Exemplified by <i>Aioliomyces pyridodomos</i>. Journal of Natural Products, 2019, 82, 1616-1626.	3.0	8
27	Predictive Signatures of 19 Antibiotic-Induced <i>Escherichia coli</i> Proteomes. ACS Infectious Diseases, 2020, 6, 2120-2129.	3.8	8
28	A Distinct Contractile Injection System Gene Cluster Found in a Majority of Healthy Adult Human Microbiomes. MSystems, 2020, 5, .	3.8	8
29	Decoding Transcription Regulatory Mechanisms Associated with <i>Coccidioides immitis</i> Phase Transition Using Total RNA. MSystems, 2022, 7, e0140421.	3.8	8
30	Chromosome-Level Genome Assembly of a Human Fungal Pathogen Reveals Synteny among Geographically Distinct Species. MBio, 2022, 13, e0257421.	4.1	7
31	Environmental and Genetic Factors Controlling Burkholderia pseudomallei Persister Phenotypes. Current Tropical Medicine Reports, 2017, 4, 111-116.	3.7	4
32	Cyclic Di-GMP Signaling in Vibrio cholerae. , 2014, , 253-269.		2