

Aretha Fiebig

List of Publications by Year in descending order

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32
papers

1,347
citations

566801

15
h-index

454577

30
g-index

47
all docs

47
docs citations

47
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Alterations in CER6, a Gene Identical to CUT1, Differentially Affect Long-Chain Lipid Content on the Surface of Pollen and Stems. <i>Plant Cell</i> , 2000, 12, 2001-2008.	3.1	318
2	A photosensory two-component system regulates bacterial cell attachment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18241-18246.	3.3	164
3	Interaction specificity, toxicity and regulation of a paralogous set of ParE/RelE family toxin-antitoxin systems. <i>Molecular Microbiology</i> , 2010, 77, 236-251.	1.2	93
4	A Cell Cycle and Nutritional Checkpoint Controlling Bacterial Surface Adhesion. <i>PLoS Genetics</i> , 2014, 10, e1004101.	1.5	81
5	The LovK-LovR Two-Component System Is a Regulator of the General Stress Pathway in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2012, 194, 3038-3049.	1.0	76
6	Comparisons of pollen coat genes across Brassicaceae species reveal rapid evolution by repeat expansion and diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3286-3291.	3.3	65
7	Identification of the PhoB Regulon and Role of PhoU in the Phosphate Starvation Response of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2016, 198, 187-200.	1.0	65
8	General Stress Signaling in the Alphaproteobacteria. <i>Annual Review of Genetics</i> , 2015, 49, 603-625.	3.2	63
9	The <i>B. abortus</i> virulence regulator, <i>LovhK</i> , is a sensor kinase in the general stress response signalling pathway. <i>Molecular Microbiology</i> , 2014, 94, 913-925.	1.2	48
10	Genome-scale fitness profile of <i>Caulobacter crescentus</i> grown in natural freshwater. <i>ISME Journal</i> , 2019, 13, 523-536.	4.4	35
11	Feedback regulation of <i>Caulobacter crescentus</i> holdfast synthesis by flagellum assembly via the holdfast inhibitor HfiA. <i>Molecular Microbiology</i> , 2018, 110, 219-238.	1.2	32
12	Bridging the Timescales of Single-Cell and Population Dynamics. <i>Physical Review X</i> , 2018, 8, .	2.8	28
13	Structure and function of HWE/HisKA2-family sensor histidine kinases. <i>Current Opinion in Microbiology</i> , 2017, 36, 47-54.	2.3	26
14	A Genome-Wide Analysis of Adhesion in <i>Caulobacter crescentus</i> Identifies New Regulatory and Biosynthetic Components for Holdfast Assembly. <i>MBio</i> , 2019, 10, .	1.8	24
15	Experimental evolution of diverse <i>Escherichia coli</i> metabolic mutants identifies genetic loci for convergent adaptation of growth rate. <i>PLoS Genetics</i> , 2018, 14, e1007284.	1.5	24
16	Periplasmic protein EipA determines envelope stress resistance and virulence in <i>Brucella abortus</i> . <i>Molecular Microbiology</i> , 2019, 111, 637-661.	1.2	21
17	Gene network analysis identifies a central post-transcriptional regulator of cellular stress survival. <i>ELife</i> , 2018, 7, .	2.8	17
18	Flagellar Perturbations Activate Adhesion through Two Distinct Pathways in <i>Caulobacter crescentus</i> . <i>MBio</i> , 2021, 12, .	1.8	17

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19	Regulation of bacterial surface attachment by a network of sensory transduction proteins. PLoS Genetics, 2019, 15, e1008022.	1.5	16
20	A Carbonic Anhydrase Pseudogene Sensitizes Select <i>Brucella</i> Lineages to Low CO ₂ Tension. Journal of Bacteriology, 2019, 201, .	1.0	16
21	Composition of the Holdfast Polysaccharide from <i>Caulobacter crescentus</i> . Journal of Bacteriology, 2019, 201, .	1.0	15
22	The ChvG-ChvI and NtrY-NtrX Two-Component Systems Coordinately Regulate Growth of <i>Caulobacter crescentus</i> . Journal of Bacteriology, 2021, 203, e0019921.	1.0	15
23	Feedback Control of a Two-Component Signaling System by an Fe-S-Binding Receiver Domain. MBio, 2020, 11, .	1.8	14
24	<i>Brucella</i> Periplasmic Protein EipB Is a Molecular Determinant of Cell Envelope Integrity and Virulence. Journal of Bacteriology, 2019, 201, .	1.0	12
25	Role of <i>Caulobacter</i> Cell Surface Structures in Colonization of the Air-Liquid Interface. Journal of Bacteriology, 2019, 201, .	1.0	11
26	Proper Control of <i>Caulobacter crescentus</i> Cell Surface Adhesion Requires the General Protein Chaperone DnaK. Journal of Bacteriology, 2016, 198, 2631-2642.	1.0	10
27	Quantification of <i>Brucella abortus</i> population structure in a natural host. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
28	Regulation of the <i>Erythrobacter litoralis</i> DSM 8509 general stress response by visible light. Molecular Microbiology, 2019, 112, 442-460.	1.2	7
29	Extreme Antagonism Arising from Gene-Environment Interactions. Biophysical Journal, 2020, 119, 2074-2086.	0.2	6
30	<i>Brucella ovis</i> Cysteine Biosynthesis Contributes to Peroxide Stress Survival and Fitness in the Intracellular Niche. Infection and Immunity, 2021, 89, .	1.0	5
31	Polarity Factors Play a Role in Antibiotic Resistance. Chemistry and Biology, 2014, 21, 571-572.	6.2	0
32	Editorial overview: Microbial cell regulation across multiple scales. Current Opinion in Microbiology, 2021, 63, 179-180.	2.3	0