

# Aretha Fiebig

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32  
papers

919  
citations

13  
h-index

30  
g-index

47  
ext. papers

1,196  
ext. citations

6.3  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
32	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> , <b>2000</b> , 12, 2001-8	11.6	241
31	A photosensory two-component system regulates bacterial cell attachment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18241-6	11.5	136
30	Interaction specificity, toxicity and regulation of a paralogous set of ParE/RelE-family toxin-antitoxin systems. <i>Molecular Microbiology</i> , <b>2010</b> , 77, 236-51	4.1	77
29	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> , <b>2004</b> , 101, 3286-91	11.5	61
28	The LovK-LovR two-component system is a regulator of the general stress pathway in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 3038-49	3.5	58
27	A cell cycle and nutritional checkpoint controlling bacterial surface adhesion. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004101	6	52
26	General Stress Signaling in the Alphaproteobacteria. <i>Annual Review of Genetics</i> , <b>2015</b> , 49, 603-25	14.5	44
25	Identification of the PhoB Regulon and Role of PhoU in the Phosphate Starvation Response of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 187-200	3.5	36
24	The <i>Brucella abortus</i> virulence regulator, LovhK, is a sensor kinase in the general stress response signalling pathway. <i>Molecular Microbiology</i> , <b>2014</b> , 94, 913-25	4.1	35
23	Genome-scale fitness profile of <i>Caulobacter crescentus</i> grown in natural freshwater. <i>ISME Journal</i> , <b>2019</b> , 13, 523-536	11.9	18
22	Feedback regulation of <i>Caulobacter crescentus</i> holdfast synthesis by flagellum assembly via the holdfast inhibitor HfiA. <i>Molecular Microbiology</i> , <b>2018</b> , 110, 219-238	4.1	17
21	Experimental evolution of diverse <i>Escherichia coli</i> metabolic mutants identifies genetic loci for convergent adaptation of growth rate. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007284	6	17
20	A Genome-Wide Analysis of Adhesion in Identifies New Regulatory and Biosynthetic Components for Holdfast Assembly. <i>MBio</i> , <b>2019</b> , 10,	7.8	14
19	Structure and function of HWE/HisKA2-family sensor histidine kinases. <i>Current Opinion in Microbiology</i> , <b>2017</b> , 36, 47-54	7.9	13
18	Bridging the Timescales of Single-Cell and Population Dynamics. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	13
17	Gene network analysis identifies a central post-transcriptional regulator of cellular stress survival. <i>ELife</i> , <b>2018</b> , 7,	8.9	12
16	Periplasmic protein EipA determines envelope stress resistance and virulence in <i>Brucella abortus</i> . <i>Molecular Microbiology</i> , <b>2019</b> , 111, 637-661	4.1	10

15	Feedback Control of a Two-Component Signaling System by an Fe-S-Binding Receiver Domain. <i>MBio</i> , <b>2020</b> , 11,	7.8	8
14	Composition of the Holdfast Polysaccharide from. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	7
13	Proper Control of <i>Caulobacter crescentus</i> Cell Surface Adhesion Requires the General Protein Chaperone DnaK. <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 2631-42	3.5	7
12	A Carbonic Anhydrase Pseudogene Sensitizes Select Lineages to Low CO Tension. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	7
11	Flagellar Perturbations Activate Adhesion through Two Distinct Pathways in. <i>MBio</i> , <b>2021</b> , 12,	7.8	7
10	Role of Cell Surface Structures in Colonization of the Air-Liquid Interface. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	6
9	Periplasmic Protein EipB Is a Molecular Determinant of Cell Envelope Integrity and Virulence. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	5
8	Regulation of bacterial surface attachment by a network of sensory transduction proteins. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008022	6	4
7	Quantification of population structure in a natural host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
6	Regulation of the <i>Erythrobacter litoralis</i> DSM 8509 general stress response by visible light. <i>Molecular Microbiology</i> , <b>2019</b> , 112, 442-460	4.1	3
5	Quantification of <i>Brucella abortus</i> population structure in a natural host		3
4	<i>Brucella ovis</i> Cysteine Biosynthesis Contributes to Peroxide Stress Survival and Fitness in the Intracellular Niche. <i>Infection and Immunity</i> , <b>2021</b> , 89,	3.7	2
3	Extreme Antagonism Arising from Gene-Environment Interactions. <i>Biophysical Journal</i> , <b>2020</b> , 119, 2074-2086	2.9	1
2	The ChvG-ChvI and NtrY-NtrX Two-Component Systems Coordinately Regulate Growth of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , <b>2021</b> , 203, e0019921	3.5	1
1	Polarity factors play a role in antibiotic resistance. <i>Chemistry and Biology</i> , <b>2014</b> , 21, 571-2		