

# Jonathan W Willett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5013383/publications.pdf>

Version: 2024-02-01

20  
papers

636  
citations

623188

14  
h-index

752256

20  
g-index

25  
all docs

25  
docs citations

25  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and Biochemical Dissection of a HisKA Domain Identifies Residues Required Exclusively for Kinase and Phosphatase Activities. <i>PLoS Genetics</i> , 2012, 8, e1003084.	1.5	88
2	General Stress Signaling in the Alphaproteobacteria. <i>Annual Review of Genetics</i> , 2015, 49, 603-625.	3.2	63
3	<i>Brucella abortus</i> Induces a Warburg Shift in Host Metabolism That Is Linked to Enhanced Intracellular Survival of the Pathogen. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	61
4	Structural asymmetry in a conserved signaling system that regulates division, replication, and virulence of an intracellular pathogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3709-18.	3.3	52
5	The <i>Brucella abortus</i> virulence regulator, <i>LowhK</i> , is a sensor kinase in the general stress response signalling pathway. <i>Molecular Microbiology</i> , 2014, 94, 913-925.	1.2	48
6	Specificity Residues Determine Binding Affinity for Two-Component Signal Transduction Systems. <i>MBio</i> , 2013, 4, e00420-13.	1.8	42
7	Draft Genome Sequence of <i>Myxococcus xanthus</i> Wild-Type Strain DZ2, a Model Organism for Predation and Development. <i>Genome Announcements</i> , 2013, 1, .	0.8	37
8	Regulation of hem Gene Expression in <i>Rhodobacter capsulatus</i> by Redox and Photosystem Regulators RegA, CrtJ, FnrL, and AerR. <i>Journal of Molecular Biology</i> , 2004, 342, 1171-1186.	2.0	36
9	Atypical modes of bacterial histidine kinase signaling. <i>Molecular Microbiology</i> , 2017, 103, 197-202.	1.2	28
10	CrdS and CrdA Comprise a Two-Component System That Is Cooperatively Regulated by the Che3 Chemosensory System in <i>Myxococcus xanthus</i> . <i>MBio</i> , 2011, 2, .	1.8	27
11	RegA Control of Bacteriochlorophyll and Carotenoid Synthesis in <i>Rhodobacter capsulatus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 7765-7773.	1.0	26
12	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
13	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
14	A Carbonic Anhydrase Pseudogene Sensitizes Select <i>Brucella</i> Lineages to Low CO <sub>2</sub> Tension. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	16
15	WrpA Is an Atypical Flavodoxin Family Protein under Regulatory Control of the <i>Brucella abortus</i> General Stress Response System. <i>Journal of Bacteriology</i> , 2016, 198, 1281-1293.	1.0	14
16	Conserved ABC Transport System Regulated by the General Stress Response Pathways of Alpha- and Gammaproteobacteria. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	14
17	Structured and Dynamic Disordered Domains Regulate the Activity of a Multifunctional Anti- $\sigma^F$ Factor. <i>MBio</i> , 2015, 6, e00910.	1.8	13
18	<i>Brucella</i> Periplasmic Protein EipB Is a Molecular Determinant of Cell Envelope Integrity and Virulence. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	12

#	ARTICLE	IF	CITATIONS
19	Brucella abortus $\hat{r}$ rpoE1 confers protective immunity against wild type challenge in a mouse model of brucellosis. <i>Vaccine</i> , 2016, 34, 5073-5081.	1.7	8
20	Molecular control of gene expression by Brucella BaaR, an IclR-type transcriptional repressor. <i>Journal of Biological Chemistry</i> , 2018, 293, 7437-7456.	1.6	5