Elizabeth A Wood

List of Publications by Citations

23 papers	442 citations	9 h-index	21 g-index
31 ext. papers	587 ext. citations	8.2 avg, IF	3.36 L-index

#	Paper	IF	Citations
23	C-terminal deletions of the Escherichia coli RecA protein. Characterization of in vivo and in vitro effects. *Journal of Biological Chemistry*, **2003**, 278, 16372-80	5.4	90
22	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. *ELife*, **2017**, 6,	8.9	80
21	Regulation of Mutagenic DNA Polymerase V Activation in Space and Time. *PLoS Genetics*, **2015**, 11, e1005482	6	67
20	Escherichia coli genes and pathways involved in surviving extreme exposure to ionizing radiation. *Journal of Bacteriology*, **2014**, 196, 3534-45	3.5	47
19	DNA polymerase IV primarily operates outside of DNA replication forks in Escherichia coli. *PLoS Genetics*, **2018**, 14, e1007161	6	32
18	Spatial and temporal organization of RecA in the DNA-damage response. *ELife*, **2019**, 8,	8.9	28
17	RecFOR epistasis group: RecF and RecO have distinct localizations and functions in Escherichia coli. *Nucleic Acids Research*, **2019**, 47, 2946-2965	20.1	18
16	Experimental Evolution of Extreme Resistance to Ionizing Radiation in after 50 Cycles of Selection. *Journal of Bacteriology*, **2019**, 201,	3.5	15
15	Directed Evolution of RecA Variants with Enhanced Capacity for Conjugational Recombination. *PLoS Genetics*, **2015**, 11, e1005278	6	13
14	Resolving Toxic DNA repair intermediates in every E.coli replication cycle: critical roles for RecG, Uup and RadD. *Nucleic Acids Research*, **2020**, 48, 8445-8460	20.1	9
13	Redox controls RecA protein activity via reversible oxidation of its methionine residues. *ELife*, **2021**, 10,	8.9	9
12	Single-molecule live-cell imaging reveals RecB-dependent function of DNA polymerase IV in double strand break repair. *Nucleic Acids Research*, **2020**, 48, 8490-8508	20.1	8
11	Development of a single-stranded DNA-binding protein fluorescent fusion toolbox. *Nucleic Acids Research*, **2020**, 48, 6053-6067	20.1	5
10	Frequent template switching in postreplication gaps: suppression of deleterious consequences by the Escherichia coli Uup and RadD proteins. *Nucleic Acids Research*, **2020**, 48, 212-230	20.1	4
9	RecA-independent recombination: Dependence on the Escherichia coli RarA protein. *Molecular Microbiology*, **2021**, 115, 1122-1137	4.1	4
8	DNA Metabolism in Balance: Rapid Loss of a RecA-Based Hyperrec Phenotype. *PLoS ONE*, **2016**, 11, e0154137	3.7	4
7	A variant of the Escherichia coli anaerobic transcription factor FNR exhibiting diminished promoter activation function enhances ionizing radiation resistance. *PLoS ONE*, **2019**, 14, e0199482	3.7	3

List of Publications

6	Physiology of Highly Radioresistant After Experimental Evolution for 100 Cycles of Selection. *Frontiers in Microbiology*, **2020**, 11, 582590	5.7	3
5	DNA double-strand breaks induced by reactive oxygen species promote DNA polymerase IV activity inEscherichia coli		1
4	The rarA gene as part of an expanded RecFOR recombination pathway: Negative epistasis and synthetic lethality with ruvB, recG, and recQ.. *PLoS Genetics*, **2021**, 17, e1009972	6	1
3	Novel Genotypes Relevant to Enhanced Resistance to Irradiation in Escherichia coli. *FASEB Journal*, **2008**, 22, 591.2	0.9	
2	Directed evolution of ionizing radiation resistance in Escherichia coli. *FASEB Journal*, **2009**, 23, 836.7	0.9	
1	The Escherichia coli serS gene promoter region overlaps with the rarA gene.. *PLoS ONE*, **2022**, 17, e0260282	3.7	