

Zeynep Baharoglu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,861
citations

516710

16
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

2187
citing authors

#	ARTICLE	IF	CITATIONS
1	β -lactam antibiotics promote bacterial mutagenesis via an RpoS-mediated reduction in replication fidelity. <i>Nature Communications</i> , 2013, 4, 1610.	12.8	320
2	SOS, the formidable strategy of bacteria against aggressions. <i>FEMS Microbiology Reviews</i> , 2014, 38, 1126-1145.	8.6	312
3	Conjugative DNA Transfer Induces the Bacterial SOS Response and Promotes Antibiotic Resistance Development through Integron Activation. <i>PLoS Genetics</i> , 2010, 6, e1001165.	3.5	228
4	<i>Vibrio cholerae</i> Triggers SOS and Mutagenesis in Response to a Wide Range of Antibiotics: a Route towards Multiresistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2438-2441.	3.2	185
5	Recombination proteins and rescue of arrested replication forks. <i>DNA Repair</i> , 2007, 6, 967-980.	2.8	177
6	Folded DNA in Action: Hairpin Formation and Biological Functions in Prokaryotes. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 570-588.	6.6	161
7	RpoS Plays a Central Role in the SOS Induction by Sub-Lethal Aminoglycoside Concentrations in <i>Vibrio cholerae</i> . <i>PLoS Genetics</i> , 2013, 9, e1003421.	3.5	86
8	Connecting Environment and Genome Plasticity in the Characterization of Transformation-Induced SOS Regulation and Carbon Catabolite Control of the <i>Vibrio cholerae</i> Integron Integrase. <i>Journal of Bacteriology</i> , 2012, 194, 1659-1667.	2.2	71
9	RuvAB is essential for replication forks reversal in certain replication mutants. <i>EMBO Journal</i> , 2006, 25, 596-604.	7.8	60
10	RNA polymerase mutations that facilitate replication progression in the <i>rep uvrD recF</i> mutant lacking two accessory replicative helicases. <i>Molecular Microbiology</i> , 2010, 77, 324-336.	2.5	54
11	Multiple Pathways of Genome Plasticity Leading to Development of Antibiotic Resistance. <i>Antibiotics</i> , 2013, 2, 288-315.	3.7	34
12	Identification of genes involved in low aminoglycoside-induced SOS response in <i>Vibrio cholerae</i> : a role for transcription stalling and Mfd helicase. <i>Nucleic Acids Research</i> , 2014, 42, 2366-2379.	14.5	32
13	<i>ruvA</i> Mutants That Resolve Holliday Junctions but Do Not Reverse Replication Forks. <i>PLoS Genetics</i> , 2008, 4, e1000012.	3.5	25
14	Sleeping ribosomes: Bacterial signaling triggers RaiA mediated persistence to aminoglycosides. <i>IScience</i> , 2021, 24, 103128.	4.1	25
15	<i>ruvA</i> and <i>ruvB</i> mutants specifically impaired for replication fork reversal. <i>Molecular Microbiology</i> , 2008, 70, 537-548.	2.5	20
16	RadD Contributes to R-Loop Avoidance in Sub-MIC Tobramycin. <i>MBio</i> , 2019, 10, .	4.1	17
17	Formation of a Stable RuvA Protein Double Tetramer Is Required for Efficient Branch Migration In Vitro and for Replication Fork Reversal In Vivo. <i>Journal of Biological Chemistry</i> , 2011, 286, 22372-22383.	3.4	16
18	Deficiency in cytosine DNA methylation leads to high chaperonin expression and tolerance to aminoglycosides in <i>Vibrio cholerae</i> . <i>PLoS Genetics</i> , 2021, 17, e1009748.	3.5	11

#	ARTICLE	IF	CITATIONS
19	Interplay between Sublethal Aminoglycosides and Quorum Sensing: Consequences on Survival in <i>V. cholerae</i> . <i>Cells</i> , 2021, 10, 3227.	4.1	8
20	Genetics of recombination in the model bacterium <i>Escherichia coli</i> . <i>Topics in Current Genetics</i> , 2007, , 1-26.	0.7	4
21	A <i>qnr</i> -plasmid allows aminoglycosides to induce SOS in <i>Escherichia coli</i> . <i>ELife</i> , 2022, 11, .	6.0	4
22	Genetics of Recombination in the Model Bacterium <i>Escherichia Coli</i> . , 2006, , 1-26.		2
23	Influence of very short patch mismatch repair on SOS inducing lesions after aminoglycoside treatment in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2014, 165, 476-480.	2.1	2