

Sophie Maisnier-Patin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,023
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1236
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation to the deleterious effects of antimicrobial drug resistance mutations by compensatory evolution. <i>Research in Microbiology</i> , 2004, 155, 360-369.	2.1	216
2	Compensatory adaptation to the deleterious effect of antibiotic resistance in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 2002, 46, 355-366.	2.5	205
3	Genomic buffering mitigates the effects of deleterious mutations in bacteria. <i>Nature Genetics</i> , 2005, 37, 1376-1379.	21.4	142
4	The Fitness Cost of Streptomycin Resistance Depends on <i>rpsL</i> Mutation, Carbon Source and RpoS (IfS). <i>Genetics</i> , 2009, 183, 539-546.	2.9	88
5	Multiple mechanisms to ameliorate the fitness burden of mupirocin resistance in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 2007, 64, 1038-1048.	2.5	60
6	Replication arrests during a single round of replication of the <i>Escherichia coli</i> chromosome in the absence of DnaC activity. <i>Molecular Microbiology</i> , 2002, 42, 1371-1382.	2.5	57
7	Compensatory Evolution Reveals Functional Interactions between Ribosomal Proteins S12, L14 and L19. <i>Journal of Molecular Biology</i> , 2007, 366, 207-215.	4.2	55
8	Chromosome replication patterns in the hyperthermophilic euryarchaea <i>Archaeoglobus fulgidus</i> and <i>Methanocaldococcus (Methanococcus) jannaschii</i> . <i>Molecular Microbiology</i> , 2002, 45, 1443-1450.	2.5	53
9	<i>Caenorhabditis elegans</i> as a Model To Determine Fitness of Antibiotic-Resistant <i>Salmonella enterica</i> Serovar Typhimurium. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 766-769.	3.2	31
10	The Origin of Mutants Under Selection: How Natural Selection Mimics Mutagenesis (Adaptive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	5.5	30
11	Amplification of the Gene for Isoleucyl-tRNA Synthetase Facilitates Adaptation to the Fitness Cost of Mupirocin Resistance in <i>Salmonella enterica</i> . <i>Genetics</i> , 2010, 185, 305-312.	2.9	27
12	Plasmid Copy Number Underlies Adaptive Mutability in Bacteria. <i>Genetics</i> , 2014, 198, 919-933.	2.9	23
13	RecA-Mediated Rescue of <i>Escherichia coli</i> Strains with Replication Forks Arrested at the Terminus. <i>Journal of Bacteriology</i> , 2001, 183, 6065-6073.	2.2	12
14	Conversion to bidirectional replication after unidirectional initiation from R1 plasmid origin integrated at oriC in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1998, 30, 1067-1079.	2.5	9
15	Reinterpreting Long-Term Evolution Experiments: Is Delayed Adaptation an Example of Historical Contingency or a Consequence of Intermittent Selection?. <i>Journal of Bacteriology</i> , 2016, 198, 1009-1012.	2.2	5
16	Selection-Enhanced Mutagenesis of <i>lac</i> Genes Is Due to Their Coamplification with <i>dinB</i> Encoding an Error-Prone DNA Polymerase. <i>Genetics</i> , 2018, 208, 1009-1021.	2.9	5
17	Selective Inbreeding: Genetic Crosses Drive Apparent Adaptive Mutation in the Cairns-Foster System of <i>Escherichia coli</i> . <i>Genetics</i> , 2020, 214, 333-354.	2.9	3
18	Selection and Plasmid Transfer Underlie Adaptive Mutation in <i>Escherichia coli</i> . <i>Genetics</i> , 2018, 210, 821-841.	2.9	2