Susan T Lovett

List of PR Articles by Year
in descending order

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76 PR articles	4,717 PR citations	58710 39 PR h-index	76205 67 g-index
96 documents	5207 doc citations	68626 40 h-index	5472 citing authors

#	Article	IF	PR Citations
1	Spontaneous and double-strand break repair-associated quasipalindrome and frameshift mutagenesis in budding yeast: role of mismatch repair. Genetics, 2024, 227, .	4.2	3
2	The DNA damage response of Escherichia coli, revisited: Differential gene expression after replication inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.6	16
3	Generation and Repair of Postreplication Gaps in Escherichia coli. Microbiology and Molecular Biology Reviews, 2023, 87, .	7.2	18
4	DnaA and SspA Regulation of the iraD gene of E. coli: an alternative DNA damage response independent of LexA/RecA. Genetics, 2022, , .	4.2	10
5	DNA damage-signaling, homologous recombination and genetic mutation induced by 5-azacytidine and DNA-protein crosslinks in Escherichia coli. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2021, 822, 111742.	1.8	4
6	The Role of Replication Clamp-Loader Protein HolC of Escherichia coli in Overcoming Replication/Transcription Conflicts. MBio, 2021, 12, .	4.4	11
7	Alternative complexes formed by the Escherichia coli clamp loader accessory protein HolC (χ) with replication protein HolD (Ïˆ) and repair protein YoaA. DNA Repair, 2021, 100, 103006.	2.6	11
8	DNA polymerase III protein, HolC, helps resolve replication/transcription conflicts. Microbial Cell, 2021, 8, 143-145.	3.1	4
9	Genetic Analysis of DinG Family Helicase YoaA and Its Interaction with Replication Clamp Loader Protein HolC in Escherichia coli. Journal of Bacteriology, 2021, 203, .	2.9	8
10	Frequent template switching in postreplication gaps: suppression of deleterious consequences by the Escherichia coli Uup and RadD proteins. Nucleic Acids Research, 2020, , .	15.7	14
11	Identifying Small Molecules That Promote Quasipalindrome-Associated Template-Switch Mutations inEscherichia coli. G3: Genes, Genomes, Genetics, 2020, 10, 1809-1815.	2.0	3
12	Structureâ€“Activity Relationship of Peptide-Conjugated Chloramphenicol for Inhibiting Escherichia coli. Journal of Medicinal Chemistry, 2019, 62, 10245-10257.	5.6	12
13	Stimulation of Replication Template-Switching by DNA-Protein Crosslinks. Genes, 2019, 10, 14.	2.6	8
14	Diglycine Enables Rapid Intrabacterial Hydrolysis for Activating Anbiotics against Gramâ€negative Bacteria. Angewandte Chemie, 2019, 131, 10741-10744.	1.4	7
15	Diglycine Enables Rapid Intrabacterial Hydrolysis for Activating Anbiotics against Gramâ€negative Bacteria. Angewandte Chemie - International Edition, 2019, 58, 10631-10634.	14.4	26
16	Template-switching during replication fork repair in bacteria. DNA Repair, 2017, 56, 118-128.	2.6	55
17	SSB recruitment of Exonuclease I aborts template-switching in Escherichia coli. DNA Repair, 2017, 57, 12-16.	2.6	9
18	Connecting Replication and Repair: YoaA, a Helicase-Related Protein, Promotes Azidothymidine Tolerance through Association with Chi, an Accessory Clamp Loader Protein. PLoS Genetics, 2015, 11, e1005651.	3.3	28

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19	Genetic analysis of <scp>E</scp>scherichia coliâ€...<scp>R</scp>ad<scp>A</scp>: functional motifs and genetic interactions. Molecular Microbiology, 2015, 95, 769-779.	2.6	51
20	Break-Induced DNA Replication. Cold Spring Harbor Perspectives in Biology, 2013, 5, a010397-a010397.	7.3	209
21	Azidothymidine and other chain terminators are mutagenic for template-switch-generated genetic mutations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6171-6174.	7.6	25
22	Î²-Galactosidase-instructed formation of molecular nanofibers and a hydrogel. Nanoscale, 2011, 3, 2859.	5.0	41
23	Phenotypic Landscape of a Bacterial Cell. Cell, 2011, 144, 143-156.	34.1	702
24	The DNA Exonucleases of Escherichia coli. EcoSal Plus, 2011, 4, .	4.1	103
25	Toxicity and tolerance mechanisms for azidothymidine, a replication gap-promoting agent, in Escherichia coli. DNA Repair, 2011, 10, 260-270.	2.6	48
26	Insights Into Mutagenesis Using Escherichia coli Chromosomal lacZ Strains That Enable Detection of a Wide Spectrum of Mutational Events. Genetics, 2011, 188, 247-262.	4.2	33
27	The 2011 Thomas Hunt Morgan Medal: James Haber. Genetics, 2011, 187, 987-989.	4.2	0
28	A Role for Nonessential Domain II of Initiator Protein, DnaA, in Replication Control. Genetics, 2009, 183, 39-49.	4.2	26
29	Growth Phase and (p)ppGpp Control of IraD, a Regulator of RpoS Stability, in Escherichia coli. Journal of Bacteriology, 2009, 191, 7436-7446.	2.9	56
30	A DNA damage response in Escherichia coli involving the alternative sigma factor, RpoS. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 611-616.	7.6	87
31	The ObgE/CgtA GTPase influences the stringent response to amino acid starvation in Escherichia coli. Molecular Microbiology, 2009, 73, 253-266.	2.6	75
32	Cell cycle synchronization of Escherichia coli using the stringent response, with fluorescence labeling assays for DNA content and replication. Methods, 2009, 48, 8-13.	3.6	109
33	Reconstitution of initial steps of dsDNA break repair by the RecF pathway of E. coli. Genes and Development, 2009, 23, 1234-1245.	4.7	142
34	Mechanisms of Recombination: Lessons fromE. coli. Critical Reviews in Biochemistry and Molecular Biology, 2008, 43, 347-370.	6.8	92
35	The Stringent Response and Cell Cycle Arrest in Escherichia coli. PLoS Genetics, 2008, 4, e1000300.	3.3	128
36	RecA-independent recombination is efficient but limited by exonucleases. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 216-221.	7.6	119

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37	Polymerase Switching in DNA Replication. Molecular Cell, 2007, 27, 523-526.	13.4	23
38	Chromosome segregation control by Escherichia coli ObgE GTPase. Molecular Microbiology, 2007, 65, 569-581.	2.6	47
39	Replication arrest-stimulated recombination: Dependence on the RecA paralog, RadA/Sms and translesion polymerase, DinB. DNA Repair, 2006, 5, 1421-1427.	2.6	59
40	Cis and Trans-acting Effects on a Mutational Hotspot Involving a Replication Template Switch. Journal of Molecular Biology, 2006, 356, 300-311.	4.2	49
41	DNA Repeat Rearrangements Mediated by DnaK-Dependent Replication Fork Repair. Molecular Cell, 2006, 21, 595-604.	13.4	89
42	RecJ exonuclease: substrates, products and interaction with SSB. Nucleic Acids Research, 2006, 34, 1084-1091.	15.7	119
43	The role of replication initiation control in promoting survival of replication fork damage. Molecular Microbiology, 2006, 60, 229-239.	2.6	51
44	A Bacterial G Protein-Mediated Response to Replication Arrest. Molecular Cell, 2005, 17, 549-560.	13.4	82
45	Filling the Gaps in Replication Restart Pathways. Molecular Cell, 2005, 17, 751-752.	13.4	23
46	New views of the bacterial chromosome. EMBO Reports, 2004, 5, 860-864.	5.2	6
47	Encoded errors: mutations and rearrangements mediated by misalignment at repetitive DNA sequences. Molecular Microbiology, 2004, 52, 1243-1253.	2.6	256
48	Stabilization of perfect and imperfect tandem repeats by single-strand DNA exonucleases. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1134-1139.	7.6	48
49	Role for radA/sms in Recombination Intermediate Processing in Escherichia coli. Journal of Bacteriology, 2002, 184, 6836-6844.	2.9	106
50	Crossing Over Between Regions of Limited Homology in Escherichia coli: RecA-Dependent and RecA-Independent Pathways. Genetics, 2002, 160, 851-859.	4.2	145
51	Instability of repetitive DNA sequences: The role of replication in multiple mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8319-8325.	7.6	342
52	In vivo requirement for RecJ, ExoVII, ExoI, and ExoX in methyl-directed mismatch repair. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6765-6770.	7.6	202
53	Redundant Exonuclease Involvement in Escherichia coli Methyl-directed Mismatch Repair. Journal of Biological Chemistry, 2001, 276, 31053-31058.	2.2	120
54	Evidence for Two Mechanisms of Palindrome-Stimulated Deletion in Escherichia coli: Single-Strand Annealing and Replication Slipped Mispairing. Genetics, 2001, 158, 527-540.	4.2	75

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55	A Thermostable Single-Strand DNase fromMethanococcus jannaschii Related to the RecJ Recombination and Repair Exonuclease from Escherichia coli. Journal of Bacteriology, 2000, 182, 607-612.	2.9	24
56	A novel mutational hotspot in a natural quasipalindrome in Escherichia coli. Journal of Molecular Biology, 2000, 302, 553-564.	4.2	70
57	Exonuclease X of Escherichia coli. Journal of Biological Chemistry, 1999, 274, 30094-30100.	2.2	66
58	Expansion of DNA repeats in Escherichia coli : effects of recombination and replication functions 1 1Edited by J. H. Miller. Journal of Molecular Biology, 1999, 289, 21-27.	4.2	49
59	Identification of RNase T as a High-Copy Suppressor of the UV Sensitivity Associated With Single-Strand DNA Exonuclease Deficiency in Escherichia coli. Genetics, 1999, 151, 929-934.	4.2	26
60	Tandem Repeat Recombination Induced by Replication Fork Defects in Escherichia coli Requires a Novel Factor, RadC. Genetics, 1999, 152, 5-13.	4.2	61
61	Mutational Analysis of the RecJ Exonuclease of Escherichia coli : Identification of Phosphoesterase Motifs. Journal of Bacteriology, 1999, 181, 6098-6102.	2.9	40
62	Slipped Misalignment Mechanisms of Deletion Formation: In Vivo Susceptibility to Nucleases. Journal of Bacteriology, 1999, 181, 477-482.	2.9	57
63	Slipped misalignment mechanisms of deletion formation: analysis of deletion endpoints. Journal of Molecular Biology, 1998, 276, 559-569.	4.2	36
64	Identification of a Potent DNase Activity Associated with RNase T of Escherichia coli. Journal of Biological Chemistry, 1998, 273, 35126-35131.	2.2	31
65	Single-Strand DNA-Specific Exonucleases in Escherichia coli: Roles in Repair and Mutation Avoidance. Genetics, 1998, 149, 7-16.	4.2	133
66	Crystal structures of Escherichia coli and Salmonella typhimurium 3-isopropylmalate dehydrogenase and comparison with their thermophilic counterpart from Thermus thermophilus. Journal of Molecular Biology, 1997, 266, 1016-1031.	4.2	142
67	Purification, catalytic properties and thermostability of 3-isopropylmalate dehydrogenase from Escherichia coli. BBA - Proteins and Proteomics, 1997, 1337, 105-112.	2.5	24
68	Enhanced Deletion Formation by Aberrant DNA Replication in Escherichia coli. Genetics, 1997, 146, 457-470.	4.2	102
69	Enhancement of RecA Strand-transfer Activity by the RecJ Exonuclease of Escherichia coli. Journal of Biological Chemistry, 1995, 270, 6881-6885.	2.2	41
70	Revision of the amino-acid sequence of 3-isopropylmalate dehydrogenase from Salmonella typhimurium by means of X-ray crystallography. Gene, 1995, 164, 85-87.	2.4	6
71	Release of 5â€²-terminal deoxyribose-phosphate residues from incised abasic sites in DNA by theEscherichia coliRecJ protein. Nucleic Acids Research, 1994, 22, 993-998.	15.7	108
72	Sequence of the RAD55 gene of Saccharomyces cerevisiae: similarity of RAD55 to prokaryotic RecA and other RecA-like proteins. Gene, 1994, 142, 103-106.	2.4	106

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73	Two related recombinases are required for site-specific recombination at dif and cer in E. coli K12. Cell, 1993, 75, 351-361.	34.1	333
74	Characterization of Null Mutants of the RAD55 Gene of Saccharomyces cerevisiae: Effects of Temperature, Osmotic Strength and Mating Type. Genetics, 1987, 116, 547-553.	4.2	117
75	Genetic Analysis of Regulation of the RecF Pathway of Recombination in Escherichia coli K-12. Journal of Bacteriology, 1983, 153, 1471-1478.	2.9	81
76	Recombinational branch migration by the RadA/Sms paralog of RecA in Escherichia coli. ELife, 0, 5, .	1.6	51