Juan Carlos Alonso

List of Publications by Year
in descending order

241 papers	8,195 citations	36303 51 h-index	102487 66 g-index
249 all docs	249 docs citations	249 times ranked	4505 citing authors

#	Article	IF	Citations
1	Genome Engineering Reveals Large Dispensable Regions in Bacillus subtilis. Molecular Biology and Evolution, 2003, 20, 2076-2090.	8.9	188
2	Plasmid copy-number control and better-than-random segregation genes of pSM19035 share a common regulator. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 728-733.	7.1	138
3	Visualization of DNA double-strand break repair in live bacteria reveals dynamic recruitment of Bacillus subtilis RecF, RecO and RecN proteins to distinct sites on the nucleoids. Molecular Microbiology, 2004, 52, 1627-1639.	2.5	120
4	Crystal structure of the plasmid maintenance system Â/Â: Functional mechanism of toxin Â and inactivation by Â2Â2 complex formation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1661-1666.	7.1	119
5	Double-strand break repair in bacteria: a view from<i>Bacillus subtilis</i>. FEMS Microbiology Reviews, 2011, 35, 1055-1081.	8.6	110
6	Nucleotide sequence and regulation of a new putative cell wall hydrolase gene, cwlD, which affects germination in Bacillus subtilis.. Journal of Bacteriology, 1995, 177, 5582-5589.	2.2	107
7	Structural insight into gene transcriptional regulation and effector binding by the Lrp/AsnC family. Nucleic Acids Research, 2006, 34, 1439-1449.	14.5	106
8	Molecular analysis of the replication region of the conjugativeStreptococcus agalactiaeplasmid pIP501 inBacillus subtilis. Comparison with plasmids pAMÎ²1 and pSM 19035. Nucleic Acids Research, 1990, 18, 4783-4790.	14.5	104
9	Analysis of the stabilization system of pSM19035-derived plasmid pBT233 in Bacillus subtilis. Gene, 1993, 136, 1-12.	2.2	99
10	Genetic recombination in Bacillus subtilis : a division of labor between two single-strand DNA-binding proteins. Nucleic Acids Research, 2012, 40, 5546-5559.	14.5	90
11	Characterization of recombination-deficient mutants of Bacillus subtilis. Journal of Bacteriology, 1988, 170, 3001-3007.	2.2	82
12	Streptococcus pyogenes pSM19035 requires dynamic assembly of ATP-bound ParA and ParB on parS DNA during plasmid segregation. Nucleic Acids Research, 2008, 36, 3676-3689.	14.5	81
13	Recruitment of Bacillus subtilis RecN to DNA Double-Strand Breaks in the Absence of DNA End Processing. Journal of Bacteriology, 2006, 188, 353-360.	2.2	78
14	Plasmid rolling circle replication and its control. FEMS Microbiology Letters, 1995, 130, 111-120.	1.8	77
15	The complete nucleotide sequence and functional organization of Bacillus subtilis bacteriophage SPP1. Gene, 1997, 204, 201-212.	2.2	75
16	Bacillus subtilis RecU protein cleaves Holliday junctions and anneals single-stranded DNA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 452-457.	7.1	74
17	Evidence for Different Pathways during Horizontal Gene Transfer in Competent Bacillus subtilis Cells. PLoS Genetics, 2009, 5, e1000630.	3.5	73
18	Staphylococcal pathogenicity island DNA packaging system involving <i>cos</i> -site packaging and phage-encoded HNH endonucleases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6016-6021.	7.1	73

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19	The Mfd Protein ofBacillus subtilis168 is Involved in both Transcription-coupled DNA Repair and DNA Recombination. Journal of Molecular Biology, 1996, 256, 301-318.	4.2	71
20	Functional Analysis of the Terminase Large Subunit, G2P, of Bacillus subtilis Bacteriophage SPP1. Journal of Biological Chemistry, 2000, 275, 35311-35319.	3.4	71
21	Crystal structure of Ï‰ transcriptional repressor encoded by Streptococcus pyogenes plasmid pSM19035 at 1.5 Å… resolution 1 1Edited by R. Huber. Journal of Molecular Biology, 2001, 314, 789-796.	4.2	71
22	A toxinâ€“antitoxin module as a target for antimicrobial development. Plasmid, 2010, 63, 31-39.	1.4	70
23	Headful DNA packaging: Bacteriophage SPP1 as a model system. Virus Research, 2013, 173, 247-259.	2.2	70
24	Generation of Food-Grade Recombinant Lactic Acid Bacterium Strains by Site-Specific Recombination. Applied and Environmental Microbiology, 2000, 66, 2599-2604.	3.1	69
25	A novel role for RecA under non-stress: promotion of swarming motility in Escherichia coli K-12. BMC Biology, 2007, 5, 14.	3.8	69
26	Molecular analysis of the Bacillus subtilis bacteriophage SPP1 region encompassing genes 1 to 6. Journal of Molecular Biology, 1992, 224, 87-102.	4.2	68
27	The RuvAB Branch Migration Translocase and RecU Holliday Junction Resolvase Are Required for Double-Stranded DNA Break Repair in Bacillus subtilis. Genetics, 2005, 171, 873-883.	2.9	67
28	The Bacillussubtilis Histone-like Protein Hbsu Is Required for DNA Resolution and DNA Inversion Mediated by the Î² Recombinase of Plasmid pSM19035. Journal of Biological Chemistry, 1995, 270, 2938-2945.	3.4	66
29	The Small Subunit of the Terminase Enzyme ofBacillus subtilisBacteriophage SPP1 forms a Specialized Nucleoprotein Complex with the Packaging Initiation Region. Journal of Molecular Biology, 1995, 252, 386-398.	4.2	65
30	Fur Activates the Expression of Salmonella enterica Pathogenicity Island 1 by Directly Interacting with the hilD Operator In Vivo and In Vitro. PLoS ONE, 2011, 6, e19711.	2.5	65
31	Structures of Â repressors bound to direct and inverted DNA repeats explain modulation of transcription. Nucleic Acids Research, 2006, 34, 1450-1458.	14.5	63
32	In vitro and in vivo Stability of the 2Î¶2 Protein Complex of the Broad Host-Range Streptococcus pyogenes pSM19035 Addiction System. Biological Chemistry, 2002, 383, 1701-13.	2.5	62
33	The Structure of Bacillus subtilis RecU Holliday Junction Resolvase and Its Role in Substrate Selection and Sequence-Specific Cleavage. Structure, 2005, 13, 1341-1351.	3.3	61
34	Bacillus subtilis RecU Holliday-junction resolvase modulates RecA activities. Nucleic Acids Research, 2005, 33, 3942-3952.	14.5	61
35	Bacillus subtilis DprA Recruits RecA onto Single-stranded DNA and Mediates Annealing of Complementary Strands Coated by SsbB and SsbA. Journal of Biological Chemistry, 2013, 288, 22437-22450.	3.4	61
36	DisA and c-di-AMP act at the intersection between DNA-damage response and stress homeostasis in exponentially growing Bacillus subtilis cells. DNA Repair, 2015, 27, 1-8.	2.8	61

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37	Selective advantage of deletions enhancing chloramphenicol acetyltransferase gene expression in Streptococcus pneumoniae plasmids. Gene, 1986, 41, 153-163.	2.2	60
38	Structural basis for the nuclease activity of a bacteriophage large terminase. EMBO Reports, 2009, 10, 592-598.	4.5	60
39	The cell pole: the site of cross talk between the DNA uptake and genetic recombination machinery. Critical Reviews in Biochemistry and Molecular Biology, 2012, 47, 531-555.	5.2	60
40	Generation of linear multigenome-length plasmid molecules inBacillus subtilis. Nucleic Acids Research, 1987, 15, 6349-6367.	14.5	58
41	Replication and incompatibility properties of plasmid pUB110 in Bacillus subtilis. Molecular Genetics and Genomics, 1988, 212, 232-240.	2.4	58
42	Expression of the recE gene during induction of the SOS response in Bacillus subtilis recombination-deficient strains. Molecular Microbiology, 1989, 3, 1269-1276.	2.5	58
43	A Novel Site-specific Recombinase Encoded by the Streptococcus pyogenes Plasmid pSM19035. Journal of Molecular Biology, 1994, 238, 159-172.	4.2	58
44	Gene organization of the Streptococcus pyogenes plasmid pDB101: sequence analysis of the orfÎ·-copS region. Gene, 1994, 145, 33-39.	2.2	58
45	Shape and DNA packaging activity of bacteriophage SPP1 procapsid: protein components and interactions during assembly 1 1Edited by J. Karn. Journal of Molecular Biology, 2000, 296, 117-132.	4.2	58
46	Bacillus subtilis Bacteriophage SPP1 DNA Packaging Motor Requires Terminase and Portal Proteins. Journal of Biological Chemistry, 2003, 278, 23251-23259.	3.4	58
47	Bacillus subtilis SbcC protein plays an important role in DNA inter-strand cross-link repair. BMC Molecular Biology, 2006, 7, 20.	3.0	58
48	Genetic Recombination in <i>Bacillus subtilis</i> 168: Effects of <i>recU</i> and <i>recS</i> Mutations on DNA Repair and Homologous Recombination. Journal of Bacteriology, 1998, 180, 3405-3409.	2.2	58
49	Characterization of the effectors required for stable inheritance of Streptococcus pyogenes pSM19035-derived plasmids in Bacillus subtilis. Molecular Genetics and Genomics, 1993, 241-241, 579-585.	2.4	57
50	Genetic recombination in Bacillus subtilis 168: effect of recN, recF, recH and addAB mutations on DNA repair and recombination. Molecular Genetics and Genomics, 1993, 239, 129-136.	2.4	57
51	Structural basis for DNA recognition and loading into a viral packaging motor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 811-816.	7.1	57
52	The nuclease domain of the SPP1 packaging motor coordinates DNA cleavage and encapsidation. Nucleic Acids Research, 2013, 41, 340-354.	14.5	57
53	Homologous-pairing Activity of the Bacillus subtilisBacteriophage SPP1 Replication Protein G35P. Journal of Biological Chemistry, 2002, 277, 35969-35979.	3.4	56
54	Bacillus subtilis polynucleotide phosphorylase 3â€²-to-5â€² DNase activity is involved in DNA repair. Nucleic Acids Research, 2009, 37, 4157-4169.	14.5	56

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55	Basic and Acidic Regions Flanking the HMG Domain of Maize HMGa Modulate the Interactions with DNA and the Self-Association of the Proteinâ€. Biochemistry, 1998, 37, 2673-2681.	2.5	55
56	Genetic Recombination in Bacillus subtilis 168: Contribution of Holliday Junction Processing Functions in Chromosome Segregation. Journal of Bacteriology, 2004, 186, 5557-5566.	2.2	54
57	pSM19035-encoded Î¶ toxin induces stasis followed by death in a subpopulation of cells. Microbiology (United Kingdom), 2006, 152, 2365-2379.	1.8	54
58	Characterization of Bacillus subtilis recombinational pathways. Journal of Bacteriology, 1991, 173, 3977-3980.	2.2	53
59	Broad-host-range plasmid replication: an open question. Molecular Microbiology, 1996, 21, 661-666.	2.5	53
60	Head morphogenesis genes of the Bacillus subtilis Bacteriophage SPP1. Journal of Molecular Biology, 1997, 268, 822-839.	4.2	53
61	Roles of Bacillus subtilis DprA and SsbA in RecA-mediated Genetic Recombination. Journal of Biological Chemistry, 2014, 289, 27640-27652.	3.4	52
62	The ColE1 Unidirectional Origin Acts as a Polar Replication Fork Pausing Site. Journal of Biological Chemistry, 1996, 271, 22414-22421.	3.4	51
63	Cultural transmission and flexibility of partial migration patterns in a long-lived bird, the great bustard Otis tarda. Journal of Avian Biology, 2011, 42, 301-308.	1.2	51
64	RecX Facilitates Homologous Recombination by Modulating RecA Activities. PLoS Genetics, 2012, 8, e1003126.	3.5	51
65	Plasmid transduction by Bacillus subtilis bacteriophage SPP1: effects of DNA homology between plasmid and bacteriophage. Journal of Bacteriology, 1985, 162, 1238-1243.	2.2	51
66	Analysis of Cis and Trans acting elements required for the initiation of DNA replication in the Bacillus subtilis bacteriophage SPP 1. Journal of Molecular Biology, 1994, 236, 1324-1340.	4.2	50
67	homologous recombination: genes and products. Research in Microbiology, 2000, 151, 481-486.	2.1	50
68	Four differently chromatin-associated maize HMG domain proteins modulate DNA structure and act as architectural elements in nucleoprotein complexes. Plant Journal, 1998, 14, 623-631.	5.7	49
69	The role of the chromatin-associated protein Hbsu in beta-mediated DNA recombination is to facilitate the joining of distant recombination sites. Molecular Microbiology, 1995, 18, 471-478.	2.5	48
70	Bacillus subtilis RecO Nucleates RecA onto SsbA-coated Single-stranded DNA. Journal of Biological Chemistry, 2008, 283, 24837-24847.	3.4	47
71	Plasmid structural instability associated with pC194 replication functions. Journal of Bacteriology, 1989, 171, 2271-2277.	2.2	46
72	Molecular cloning, genetic characterization and DNA sequence analysis of therecM region ofBacillus subtilis. Nucleic Acids Research, 1990, 18, 6771-6777.	14.5	46

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73	Cooperative Interaction of CI Protein Regulates Lysogeny of <i>Lactobacillus casei</i> by Bacteriophage A2. Journal of Virology, 1999, 73, 3920-3929.	3.4	46
74	Bacillus subtilis RecN binds and protects 3'-single-stranded DNA extensions in the presence of ATP. Nucleic Acids Research, 2005, 33, 2343-2350.	14.5	46
75	Dynamic structures of Bacillus subtilis RecNâ€"DNA complexes. Nucleic Acids Research, 2008, 36, 110-120.	14.5	46
76	Recognition of DNA by Â protein from the broad-host range Streptococcus pyogenes plasmid pSM19035: analysis of binding to operator DNA with one to four heptad repeats. Nucleic Acids Research, 2004, 32, 3136-3147.	14.5	45
77	Functional analysis of thebacillus subtilisbacteriophage SPP1pacsite. Nucleic Acids Research, 1990, 18, 2881-2886.	14.5	44
78	The Î² recombinase of plasmid pSM19035 binds to two adjacent sites, making different contacts at each of them. Nucleic Acids Research, 1995, 23, 3181-3188.	14.5	44
79	Initiation of plasmid pC194 replication and its control in Bacillus subtilis. Molecular Genetics and Genomics, 1987, 210, 476-484.	2.4	43
80	Functional analysis of pSM19035-derived replicons in Bacillus subtilis. FEMS Microbiology Letters, 1993, 109, 145-150.	1.8	43
81	The Bacillus subtilis chromatin-associated protein Hbsu is involved in DNA repair and recombination. Molecular Microbiology, 1997, 23, 1169-1179.	2.5	43
82	Flavones inhibit the hexameric replicative helicase RepA. Nucleic Acids Research, 2001, 29, 5058-5066.	14.5	42
83	A Defined in Vitro System for DNA Packaging by the Bacteriophage SPP1: Insights into the Headful Packaging Mechanism. Journal of Molecular Biology, 2005, 353, 529-539.	4.2	41
84	Bacillus subtilis SsbA and dATP regulate RecA nucleation onto single-stranded DNA. DNA Repair, 2008, 7, 990-996.	2.8	41
85	Analysis of the Bacillus subtilis recO gene: RecO forms part of the RecFLOR function. Molecular Genetics and Genomics, 1999, 261, 567-573.	2.4	40
86	Plasmid pSM19035, a model to study stable maintenance in Firmicutes. Plasmid, 2010, 64, 1-17.	1.4	40
87	Early steps of double-strand break repair in Bacillus subtilis. DNA Repair, 2013, 12, 162-176.	2.8	40
88	Plasmid maintenance in Bacillus subtilis recombination-deficient mutants. Molecular Genetics and Genomics, 1987, 208, 349-352.	2.4	39
89	A DNA sequence outside the pUB110 minimal replicon is required for normal replication inBacillus subtilis. Nucleic Acids Research, 1988, 16, 4389-4406.	14.5	39
90	Polymorphic quaternary organization of the Bacillus subtilis bacteriophage SPP1 replicative helicase (G 40 P) 1 1Edited by W. Baumeister. Journal of Molecular Biology, 1998, 283, 809-819.	4.2	39

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91	Polynucleotide phosphorylase exonuclease and polymerase activities on single-stranded DNA ends are modulated by RecN, SsbA and RecA proteins. Nucleic Acids Research, 2011, 39, 9250-9261.	14.5	39
92	The organization of Physcomitrella patens RAD51 genes is unique among eukaryotic organisms. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2959-2964.	7.1	38
93	<i>Bacillus subtilis</i> RecG branch migration translocase is required for DNA repair and chromosomal segregation. Molecular Microbiology, 2007, 65, 920-935.	2.5	38
94	<i>Bacillus subtilis</i>RecO and SsbA are crucial for RecA-mediated recombinational DNA repair. Nucleic Acids Research, 2015, 43, 5984-5997.	14.5	38
95	Molecular anatomy of the Streptococcus pyogenes pSM19035 partition and segrosome complexes. Nucleic Acids Research, 2011, 39, 2624-2637.	14.5	37
96	Genetic analysis ofrec E activities inBacillus subtilis. Molecular Genetics and Genomics, 1990, 222, 441-445.	2.4	36
97	The replisome organizer (G38P) of Bacillus subtilis bacteriophage SPP1 forms specialized nucleoprotein complexes with two discrete distant regions of the SPP1 genome. Journal of Molecular Biology, 1997, 270, 50-64.	4.2	35
98	Bacillus subtilis bacteriophage SPP1 hexameric DNA helicase, G40P, interacts with forked DNA. Nucleic Acids Research, 2002, 30, 2280-2289.	14.5	35
99	Characterization of two highly similar rad51 homologs of Physcomitrella patens. Journal of Molecular Biology, 2002, 316, 35-49.	4.2	35
100	Direct analysis of Holliday junction resolving enzyme in a DNA origami nanostructure. Nucleic Acids Research, 2014, 42, 7421-7428.	14.5	35
101	The Î¶ Toxin Induces a Set of Protective Responses and Dormancy. PLoS ONE, 2012, 7, e30282.	2.5	35
102	Molecular analysis of the cos region of the Lactobacillus casei bacteriophage A2. Gene product 3, gp3, specifically binds to its downstream cos region. Molecular Microbiology, 1997, 23, 505-514.	2.5	33
103	The Prokaryotic Î²-Recombinase Catalyzes Site-specific Recombination in Mammalian Cells. Journal of Biological Chemistry, 1999, 274, 6634-6640.	3.4	33
104	<i>Bacillus subtilis</i>RecA and its accessory factors, RecF, RecO, RecR and RecX, are required for spore resistance to DNA double-strand break. Nucleic Acids Research, 2014, 42, 2295-2307.	14.5	33
105	Purification and properties of the RecR protein from Bacillus subtilis 168. Journal of Biological Chemistry, 1993, 268, 1424-9.	3.4	33
106	Comparative expression of the pC194 cat gene in Streptococcus pneumoniae, Bacillus subtilis and Escherichia coli. Gene, 1990, 86, 71-79.	2.2	32
107	Analysis of the Bacillus subtilis Bacteriophages SPP1 and SF6 Gene 1 Product: A Protein Involved in the Initiation of Headful Packaging. Virology, 1994, 202, 930-939.	2.4	32
108	RecO-mediated DNA homology search and annealing is facilitated by SsbA. Nucleic Acids Research, 2010, 38, 6920-6929.	14.5	32

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109	Parameters affecting plasmid stability in Bacillus subtilis. Gene, 1991, 103, 107-111.	2.2	31
110	Site-specific recombination in Gram-positive theta-replicating plasmids. FEMS Microbiology Letters, 1996, 142, 1-10.	1.8	31
111	Plant Chromosomal HMGB Proteins Efficiently Promote the Bacterial Site-Specific Î²-Mediated Recombination in Vitro and in Vivoâ€. Biochemistry, 2002, 41, 7763-7770.	2.5	31
112	The RecU Holliday junction resolvase acts at early stages of homologous recombination. Nucleic Acids Research, 2008, 36, 5242-5249.	14.5	31
113	Detection of the Early Stage of Recombinational DNA Repair by Silicon Nanowire Transistors. Nano Letters, 2012, 12, 1275-1281.	9.1	31
114	Molecular Anatomy of ParA-ParA and ParA-ParB Interactions during Plasmid Partitioning. Journal of Biological Chemistry, 2015, 290, 18782-18795.	3.4	31
115	Bacillus subtilis RecA with DprAâ€“SsbA antagonizes RecX function during natural transformation. Nucleic Acids Research, 2017, 45, 8873-8885.	14.5	31
116	A gene controlling segregation of the Bacillus subtilis plasmid pC194. Molecular Genetics and Genomics, 1985, 198, 427-431.	2.4	30
117	The Recombinant Product of the Chryptomonasphi Plastid Gene hlpA is an Architectural Hu-Like Protein that Promotes the Assembly of Complex Nucleoprotein Structures. FEBS Journal, 1997, 249, 70-76.	0.2	30
118	Effect of the recU suppressors sms and subA on DNA repair and homologous recombination in Bacillus subtilis. Molecular Genetics and Genomics, 2002, 266, 899-906.	2.1	30
119	Single-molecule Analysis of ProteinÂ·DNA Complexes Formed during Partition of Newly Replicated Plasmid Molecules in Streptococcus pyogenes. Journal of Biological Chemistry, 2009, 284, 30298-30306.	3.4	30
120	The generation of concatemeric plasmid DNA inBacillus subtilisas a consequence of bacteriophage SPP1 infection. Nucleic Acids Research, 1990, 18, 4651-4657.	14.5	29
121	Characterization of an lrp-like (lrpCâ€Š) gene from Bacillus subtilis. Molecular Genetics and Genomics, 1997, 256, 63-71.	2.4	29
122	Site-specific Recombination by the Â Protein from the Streptococcal Plasmid pSM19035: Minimal Recombination Sequences and Crossing over Site. Nucleic Acids Research, 1996, 24, 2712-2717.	14.5	28
123	A2 Cro, the Lysogenic Cycle Repressor, Specifically Binds to the Genetic Switch Region of Lactobacillus casei Bacteriophage A2. Virology, 1999, 262, 220-229.	2.4	28
124	Rhodobacter sphaeroides LexA has dual activity: optimising and repressing recA gene transcription. Nucleic Acids Research, 2002, 30, 1539-1546.	14.5	28
125	Requirements for the formation of plasmid-transducing particles of Bacillus subtilis bacteriophage SPP1. EMBO Journal, 1986, 5, 3723-8.	7.8	28
126	Functional analysis of the dna (Ts) mutants of Bacillus subtilis: Plasmid pUB110 replication as a model system. Molecular Genetics and Genomics, 1988, 214, 482-489.	2.4	27

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127	Bacillus subtilis DisA regulates RecA-mediated DNA strand exchange. Nucleic Acids Research, 2019, 47, 5141-5154.	14.5	27
128	The level of the pUB110 replication initiator protein is autoregulated, which provides an additional control for plasmid copy number. Nucleic Acids Research, 1995, 23, 1894-1900.	14.5	26
129	Bacillus subtilistau subunit of DNA polymerase III interacts with bacteriophage SPP1 replicative DNA helicase G40P. Nucleic Acids Research, 2002, 30, 5056-5064.	14.5	25
130	Chromosomal transformation in<i>Bacillus subtilis</i>is a non-polar recombination reaction. Nucleic Acids Research, 2016, 44, 2754-2768.	14.5	25
131	Activity and in vivo dynamics of Bacillus subtilis DisA are affected by RadA/Sms and by Holliday junction-processing proteins. DNA Repair, 2017, 55, 17-30.	2.8	25
132	RecA Regulation by RecU and DprA During Bacillus subtilis Natural Plasmid Transformation. Frontiers in Microbiology, 2018, 9, 1514.	3.5	25
133	OUP accepted manuscript. Nucleic Acids Research, 2019, 47, 9198-9215.	14.5	25
134	Bacillus subtilisDnaG primase stabilises the bacteriophage SPP1 G40P helicase-ssDNA complex. FEBS Letters, 1998, 439, 59-62.	2.8	24
135	The Bacillus subtilis bacteriophage SPP1 G39P delivers and activates the G40P DNA helicase upon interacting with the G38P-bound replication origin. Journal of Molecular Biology, 1999, 288, 71-85.	4.2	24
136	Bacillus subtilis DisA helps to circumvent replicative stress during spore revival. DNA Repair, 2017, 59, 57-68.	2.8	24
137	Bacillus subtilis RadA/Sms contributes to chromosomal transformation and DNA repair in concert with RecA and circumvents replicative stress in concert with DisA. DNA Repair, 2019, 77, 45-57.	2.8	24
138	Bacillus subtilis MutS Modulates RecA-Mediated DNA Strand Exchange Between Divergent DNA Sequences. Frontiers in Microbiology, 2019, 10, 237.	3.5	24
139	Synapsis and strand exchange in the resolution and DNA inversion reactions catalysed by the beta recombinase. Nucleic Acids Research, 2003, 31, 1038-1044.	14.5	23
140	Characterization of recF suppressors in Bacillus subtilis. Biochimie, 1991, 73, 277-280.	2.6	22
141	The Î² recombinase from theStreptococcalplasmid pSM19035 represses its own transcription by holding the RNA polymerase at the promoter region. Nucleic Acids Research, 1994, 22, 1855-1860.	14.5	22
142	Genetic Recombination in Bacillus subtilis 168: Effect of Î" helD on DNA Repair and Homologous Recombination. Journal of Bacteriology, 2001, 183, 5772-5777.	2.2	22
143	Bacillus subtilis Bacteriophage SPP1-encoded Gene 34.1 Product is a Recombination-dependent DNA Replication Protein. Journal of Molecular Biology, 2005, 351, 1007-1019.	4.2	22
144	Intramolecular homologous recombination in Bacillus subtilis 168. Molecular Genetics and Genomics, 1992, 236, 60-64.	2.4	21

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145	Î² Recombinase Catalyzes Inversion and Resolution between Two Inversely Oriented six Sites on a Supercoiled DNA Substrate and Only Inversion on Relaxed or Linear Substrates. Journal of Biological Chemistry, 1998, 273, 13886-13891.	3.4	21
146	New Insights into Host Factor Requirements for Prokaryotic %-Recombinase-mediated Reactions in Mammalian Cells. Journal of Biological Chemistry, 2001, 276, 16257-16264.	3.4	21
147	DNA gyrase inhibitors block development of Bacillus subtilis bacteriophage SP01. Journal of Virology, 1981, 39, 855-860.	3.4	21
148	Novobiocin blocks the shutoff of SP01 early transcription. Virology, 1980, 105, 13-18.	2.4	20
149	Functional analysis of the leading strand replication origin of plasmid pUB110 inBacillus subtilis. Nucleic Acids Research, 1988, 16, 9127-9145.	14.5	20
150	Purification of the Î² product encoded by theStreptococcus pyogenesplasmid pSM19035. FEBS Letters, 1993, 328, 169-173.	2.8	20
151	Sequence analysis of the left end of the Bacillus subtilis bacteriophage SPP1 genome. Gene, 1993, 129, 41-49.	2.2	19
152	Crystallization and preliminary X-ray diffraction studies of the âˆŠÎ¶ addiction system encoded byStreptococcus pyogenesplasmid pSM19035. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 745-747.	2.5	19
153	Revision of the nucleotide sequence of theStreptococcus pyogenesplasmid pSM19035repS gene. Nucleic Acids Research, 1989, 17, 10110-10110.	14.5	18
154	Role of the N-terminal region and of Î²-sheet residue Thr29 on the activity of the Ï‰2 global regulator from the broad-host range Streptococcus pyogenes plasmid pSM19035. Biological Chemistry, 2005, 386, 881-94.	2.5	18
155	Characterization of the lyticâ€“lysogenic switch of the lactococcal bacteriophage Tuc2009. Virology, 2006, 347, 434-446.	2.4	18
156	Interaction of Branch Migration Translocases with the Holliday Junction-resolving Enzyme and Their Implications in Holliday Junction Resolution. Journal of Biological Chemistry, 2014, 289, 17634-17646.	3.4	18
157	Characterization of the Small Subunit of the Terminase Enzyme of theBacillus subtilisBacteriophage SPP1. Virology, 1998, 242, 279-287.	2.4	17
158	DNA double strand break end-processing and RecA induce RecN expression levels in Bacillus subtilis. DNA Repair, 2014, 14, 1-8.	2.8	17
159	Interplay between Bacillus subtilis RecD2 and the RecG or RuvAB helicase in recombinational repair. DNA Repair, 2017, 55, 40-46.	2.8	17
160	Analysis of structural and biological parameters affecting plasmid deletion formation in Bacillus subtilis. Molecular Genetics and Genomics, 1989, 218, 402-408.	2.4	16
161	Quaternary Polymorphism of Replicative Helicase G40P: Structural Mapping and Domain Rearrangement. Journal of Molecular Biology, 2006, 357, 1063-1076.	4.2	16
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