

# Carton W Chen

## List of Publications by Year in descending order

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43  
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394421

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Melanin production as a visual indicator of conjugal transfer in <i>Streptomyces</i> . <i>Journal of Applied Genetics</i> , 2020, 61, 299-301.	1.9	1
2	A highly efficient targeted recombination system for engineering linear chromosomes of industrial bacteria &lt;i>Streptomyces</i>. <i>Journal of General and Applied Microbiology</i> , 2018, 64, 167-173.	0.7	1
3	Telomere associated primase Tap repairs truncated telomeres of <i>Streptomyces</i> . <i>Nucleic Acids Research</i> , 2017, 45, 5838-5849.	14.5	11
4	Telomere-associated proteins add deoxynucleotides to terminal proteins during replication of the telomeres of linear chromosomes and plasmids in <i>Streptomyces</i>. <i>Nucleic Acids Research</i> , 2015, 43, 6373-6383.	14.5	11
5	Replication of Linear Bacterial Chromosomes: No Longer Going Around in Circles. , 2014, , 525-539.		19
6	Topoisomerase IV is required for partitioning of circular chromosomes but not linear chromosomes in <i>Streptomyces</i> . <i>Nucleic Acids Research</i> , 2013, 41, 10403-10413.	14.5	11
7	Mutational Analysis of the Terminal Protein Tpg of <i>Streptomyces</i> Chromosomes: Identification of the Deoxynucleotidylation Site. <i>PLoS ONE</i> , 2013, 8, e56322.	2.5	7
8	Translesion-synthesis DNA polymerases participate in replication of the telomeres in <i>Streptomyces</i> . <i>Nucleic Acids Research</i> , 2012, 40, 1118-1130.	14.5	43
9	Linear <i>Streptomyces</i> plasmids form superhelical circles through interactions between their terminal proteins. <i>Nucleic Acids Research</i> , 2011, 39, 2165-2174.	14.5	19
10	Linear plasmids mobilize linear but not circular chromosomes in <i>Streptomyces</i> : support for the firstâ€™ model of conjugal transfer. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2556-2568.	1.8	12
11	Linear Plasmid SLP2 Is Maintained by Partitioning, Intrahyphal Spread, and Conjugal Transfer in <i>Streptomyces</i>. <i>Journal of Bacteriology</i> , 2010, 192, 307-315.	2.2	16
12	<i>Streptomyces</i> Telomeres Contain a Promoter. <i>Journal of Bacteriology</i> , 2009, 191, 773-781.	2.2	12
13	Extracellular and Intracellular Polyphenol Oxidases Cause Opposite Effects on Sensitivity of <i>Streptomyces</i> to Phenolics: A Case of Double-Edged Sword. <i>PLoS ONE</i> , 2009, 4, e7462.	2.5	20
14	DNA Polymerase I Is Not Required for Replication of Linear Chromosomes in <i>Streptomyces</i> . <i>Journal of Bacteriology</i> , 2008, 190, 755-758.	2.2	10
15	Terminal proteins of <i>Streptomyces</i> chromosome can target DNA into eukaryotic nuclei. <i>Nucleic Acids Research</i> , 2008, 36, e62-e62.	14.5	19
16	Spontaneous Amplification of the Actinorhodin Gene Cluster in <i>Streptomyces coelicolor</i> Involving Native Insertion Sequence IS <i>466</i>. <i>Journal of Bacteriology</i> , 2008, 190, 4754-4758.	2.2	7
17	<i>Streptomyces coelicolor</i> Undergoes Spontaneous Chromosomal End Replacement. <i>Journal of Bacteriology</i> , 2007, 189, 9117-9121.	2.2	9
18	<i>Streptomyces</i> Linear Plasmids: Replication and Telomeres. , 2007, , 33-61.		13

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19	The telomere system of the Streptomyces linear plasmid SCP1 represents a novel class. <i>Molecular Microbiology</i> , 2007, 63, 1710-1718.	2.5	48
20	Quantitative analysis of mutation and selection pressures on base composition skews in bacterial chromosomes. <i>BMC Genomics</i> , 2007, 8, 286.	2.8	8
21	A multidrug efflux system is involved in colony growth in <i>Streptomyces lividans</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 924-934.	1.8	12
22	ShyA, a membrane protein for proper septation of hyphae in <i>Streptomyces</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 369-377.	2.1	1
23	In Vitro Deoxynucleotidylation of the Terminal Protein of <i>Streptomyces</i> Linear Chromosomes. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7959-7961.	3.1	13
24	A recA Null Mutation May Be Generated in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2006, 188, 6771-6779.	2.2	19
25	Genome plasticity in <i>Streptomyces</i> : identification of 1â€fMb TIRs in the <i>S. coelicolor</i> A3(2) chromosome. <i>Molecular Microbiology</i> , 2004, 51, 1535-1550.	2.5	67
26	Repressed multidrug resistance genes in <i>Streptomyces lividans</i> . <i>Archives of Microbiology</i> , 2003, 180, 176-184.	2.2	10
27	Linear plasmid SLP2 of <i>Streptomyces lividans</i> is a composite replicon. <i>Molecular Microbiology</i> , 2003, 47, 1563-1576.	2.5	63
28	Construction and Synchronization of dnaA Temperature-Sensitive Mutants of <i>Streptomyces</i> . <i>Journal of Bacteriology</i> , 2002, 184, 1214-1218.	2.2	7
29	Once the circle has been broken: dynamics and evolution of <i>Streptomyces</i> chromosomes. <i>Trends in Genetics</i> , 2002, 18, 522-529.	6.7	123
30	The terminal proteins of linear <i>Streptomyces</i> chromosomes and plasmids: a novel class of replication priming proteins. <i>Molecular Microbiology</i> , 2002, 43, 297-305.	2.5	94
31	The terminal proteins of linear <i>Streptomyces</i> chromosomes and plasmids: a novel class of replication priming proteins. <i>Molecular Microbiology</i> , 2002, 43, 297-305.	2.5	43
32	Enhanced loop DNA folding induced by thymine-CH3 group contact and perpendicular guanine-thymine interaction. <i>Journal of Biomolecular NMR</i> , 2001, 19, 33-48.	2.8	16
33	The homologous terminal sequence of the <i>Streptomyces lividans</i> chromosome and SLP2 plasmid The GenBank accession number for the sequence determined in this work is AF194023.. <i>Microbiology (United Kingdom)</i> , 2000, 146, 911-922.	1.8	24
34	<i>Streptomyces</i> genomes: circular genetic maps from the linear chromosomes. <i>Microbiology (United Kingdom)</i> 147, 107-116. <small>TJ ETQq0 0 0 rgBT /Overlock 10 Tf 5</small>	1.8	26
35	The telomeres of <i>Streptomyces</i> chromosomes contain conserved palindromic sequences with potential to form complex secondary structures. <i>Molecular Microbiology</i> , 1998, 28, 905-916.	2.5	113
36	Instability of artificially circularized chromosomes of <i>Streptomyces lividans</i> . <i>Molecular Microbiology</i> , 1997, 26, 709-719.	2.5	35

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37	Complications and implications of linear bacterial chromosomes. Trends in Genetics, 1996, 12, 192-196.	6.7	92
38	Two classes of ethidium-bromide-resistant mutants of Streptomyces lividans 66. Microbiology (United Kingdom), 1987, 121, 1007-1011.	1.8	5
39	The chromosomal DNA of Streptomyces lividans 66 is linear. Molecular Microbiology, 1993, 10, 923-933.	2.5	279
40	The conjugative plasmid SLP2 of Streptomyces lividans is a 50 kb linear molecule. Molecular Microbiology, 1993, 7, 925-932.	2.5	90
41	A mutation of Streptomyces lividans which prevents intraplasmid recombination has no effect on chromosomal recombination. Molecular Genetics and Genomics, 1989, 220, 60-64.	2.4	20
42	A trans-acting gene is required for the phenotypic expression of a tyrosinase gene in Streptomyces. Gene, 1988, 65, 71-81.	2.2	56
43	Isolation and characterization of Streptomyces lividans mutants deficient in intraplasmid recombination. Molecular Genetics and Genomics, 1987, 208, 211-218.	2.4	61