

# Franklin W Stahl

## List of Publications by Year in descending order

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75  
papers

6,927  
citations

94433

37  
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85541

71  
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77  
all docs

77  
docs citations

77  
times ranked

2239  
citing authors

#	ARTICLE	IF	CITATIONS
1	The double-strand-break repair model for recombination. <i>Cell</i> , 1983, 33, 25-35.	28.9	2,687
2	REC-MEDIATED RECOMBINATIONAL HOT SPOT ACTIVITY IN BACTERIOPHAGE LAMBDA II. A MUTATION WHICH CAUSES HOT SPOT ACTIVITY. <i>Genetics</i> , 1974, 77, 425-433.	2.9	215
3	Viability of $\lambda$ phages carrying a perfect palindrome in the absence of recombination nucleases. <i>Nature</i> , 1983, 305, 448-451.	27.8	199
4	Radiation-sensitivity of bacteriophage containing 5-bromodeoxyuridine. <i>Virology</i> , 1961, 13, 98-104.	2.4	166
5	Rec-mediated recombinational hot spot activity in bacteriophage lambda. <i>Journal of Molecular Biology</i> , 1975, 94, 203-212.	4.2	160
6	A unicorn in the garden. <i>Nature</i> , 1988, 335, 112-113.	27.8	139
7	RECOMBINATION PATHWAY SPECIFICITY OF CHI. <i>Genetics</i> , 1977, 86, 715-725.	2.9	132
8	A Test of the Double-Strand Break Repair Model for Meiotic Recombination in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1996, 144, 27-41.	2.9	131
9	A role for recombination in the production of $\lambda$ bacteriophage particles. <i>Journal of Molecular Biology</i> , 1972, 68, 57-67.	4.2	122
10	Double-strand breaks can initiate meiotic recombination in <i>S. cerevisiae</i> . <i>Cell</i> , 1986, 46, 733-740.	28.9	119
11	Genetic Control of Recombination Partner Preference in Yeast Meiosis: Isolation and Characterization of Mutants Elevated for Meiotic Unequal Sister-Chromatid Recombination. <i>Genetics</i> , 1999, 153, 621-641.	2.9	119
12	Recombination of bacteriophage $\lambda$ in <i>recD</i> mutants of <i>Escherichia coli</i> . <i>Genome</i> , 1989, 31, 53-67.	2.0	112
13	Properties of the DNA-delay mutants of bacteriophage T4. <i>Virology</i> , 1971, 46, 900-919.	2.4	107
14	THE LINKAGE MAP OF BACTERIOPHAGE T4. <i>Genetics</i> , 1964, 50, 539-552.	2.9	103
15	Intra-chromosomal gene conversion induced by a DNA double-strand break in <i>Saccharomyces cerevisiae</i> . <i>Journal of Molecular Biology</i> , 1988, 201, 247-260.	4.2	98
16	Annealing <i>vs.</i> Invasion in Phage $\lambda$ Recombination. <i>Genetics</i> , 1997, 147, 961-977.	2.9	96
17	Does Crossover Interference Count in <i>Saccharomyces cerevisiae</i> ?. <i>Genetics</i> , 2004, 168, 35-48.	2.9	95
18	THE EVOLUTION OF GENE CLUSTERS AND GENETIC CIRCULARITY IN MICROORGANISMS. <i>Genetics</i> , 1966, 53, 569-576.	2.9	91

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19	Gene Conversion and Crossing Over Along the 405-kb Left Arm of <i>Saccharomyces cerevisiae</i> Chromosome VII. <i>Genetics</i> , 2004, 168, 49-63.	2.9	90
20	Improved in vitro packaging of coliphage lambda DNA: a one-strain system free from endogenous phage. <i>Gene</i> , 1985, 38, 165-175.	2.2	89
21	Orientation-dependent recombination hotspot activity in bacteriophage $\lambda$ . <i>Journal of Molecular Biology</i> , 1979, 131, 681-695.	4.2	86
22	In phage $\lambda$ , <i>cos</i> is a recombinator in the red pathway. <i>Journal of Molecular Biology</i> , 1985, 181, 199-209.	4.2	86
23	THE DISTRIBUTION OF CROSSOVERS ALONG UNREPLICATED LAMBDA BACTERIOPHAGE CHROMOSOMES. <i>Genetics</i> , 1974, 77, 395-408.	2.9	85
24	Double-chain-cut sites are recombination hotspots in the red pathway of phage $\lambda$ . <i>Journal of Molecular Biology</i> , 1987, 195, 75-87.	4.2	84
25	Tests of the Double-Strand-Break Repair Model for Red-Mediated Recombination of Phage $\lambda$ and Plasmid $\lambda$ dv. <i>Genetics</i> , 1987, 116, 501-511.	2.9	82
26	DIRECTIONALITY AND NONRECIPROCALITY OF CHI-STIMULATED RECOMBINATION IN PHAGE $\lambda$ . <i>Genetics</i> , 1980, 94, 235-248.	2.9	82
27	DIRECTION OF TRAVEL OF RecBC RECOMBINASE THROUGH BACTERIOPHAGE LAMBDA DNA. <i>Genetics</i> , 1986, 113, 215-227.	2.9	74
28	Genetic recombination and replication in bacteriophage. <i>Journal of Cellular and Comparative Physiology</i> , 1955, 45, 51-74.	1.8	73
29	REC-MEDIATED RECOMBINATIONAL HOT SPOT ACTIVITY IN BACTERIOPHAGE LAMBDA. I. HOT SPOT ACTIVITY ASSOCIATED WITH SPI-DELETIONS AND <i>bio</i> SUBSTITUTIONS. <i>Genetics</i> , 1974, 77, 409-423.	2.9	72
30	CO-TRANSCRIBED CISTRONS IN BACTERIOPHAGE T4. <i>Genetics</i> , 1970, 64, 157-170.	2.9	71
31	Hotspots for generalized recombination in the <i>Escherichia coli</i> chromosome. <i>Journal of Molecular Biology</i> , 1978, 121, 473-491.	4.2	69
32	Hershey. <i>Genetics</i> , 1998, 149, 1-6.	2.9	69
33	Roles of Double-Strand Breaks in Generalized Genetic Recombination. <i>Progress in Molecular Biology and Translational Science</i> , 1986, 33, 169-194.	1.9	58
34	Circular genetic maps. <i>Journal of Cellular Physiology</i> , 1967, 70, 1-12.	4.1	57
35	Homologous recombination promoted by Chi sites and RecBC enzyme of <i>Escherichia coli</i> . <i>BioEssays</i> , 1985, 2, 244-249.	2.5	53
36	Rec-mediated recombinational hot spot activity in bacteriophage $\lambda$ . <i>Molecular Genetics and Genomics</i> , 1975, 140, 29-37.	2.4	47

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37	The effects of the decay of incorporated radioactive phosphorus on the genome of bacteriophage T4. <i>Virology</i> , 1956, 2, 206-234.	2.4	43
38	The Conversion Gradient at HIS4 of <i>Saccharomyces cerevisiae</i> . II. A Role for Mismatch Repair Directed by Biased Resolution of the Recombinational Intermediate. <i>Genetics</i> , 1999, 153, 573-583.	2.9	39
39	Reduced Mismatch Repair of Heteroduplexes Reveals "Non"-interfering Crossing Over in Wild-Type <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2008, 178, 1251-1269.	2.9	38
40	COUPLING WITH PACKAGING EXPLAINS APPARENT NONRECIPROCALITY OF CHI-STIMULATED RECOMBINATION OF BACTERIOPHAGE LAMBDA BY RECA AND RECBC FUNCTIONS. <i>Genetics</i> , 1984, 108, 773-794.	2.9	38
41	Recombination in phage $\lambda$ : one geneticist's historical perspective   Published in conjunction with A Wisconsin Gathering honoring Wacław Szybalski on occasion of his 75th year and 20 years of Editorship-in-Chief of <i>Gene</i> , 10 <sup>th</sup> August 1997, University of Wisconsin, Madison, WI, USA. <i>Gene</i> , 1998, 223, 95-102.	2.2	37
42	THE INTERACTION OF <i>cos</i> WITH CHI IS SEPARABLE FROM DNA PACKAGING IN <i>recA-recBC</i> -MEDIATED RECOMBINATION OF BACTERIOPHAGE LAMBDA. <i>Genetics</i> , 1983, 104, 549-570.	2.9	36
43	Crossover Interference on Nucleolus Organizing Region-Bearing Chromosomes in <i>Arabidopsis</i> . <i>Genetics</i> , 2005, 170, 807-812.	2.9	33
44	CIRCULARITY OF THE GENETIC MAP OF BACTERIOPHAGE T4. <i>Genetics</i> , 1963, 48, 1659-1672.	2.9	33
45	CHI MUTATION IN A TRANSPOSON AND THE ORIENTATION-DEPENDENCE OF CHI PHENOTYPE. <i>Genetics</i> , 1980, 96, 43-57.	2.9	33
46	Gene products encoded in the <i>inl</i> region of phage $\lambda$ participate in <i>Red</i> -mediated recombination. <i>Genes To Cells</i> , 2002, 7, 351-363.	1.2	30
47	DOES CHI GIVE OR TAKE?. <i>Genetics</i> , 1984, 108, 795-808.	2.9	26
48	CHI-STIMULATED RECOMBINATION BETWEEN PHAGE $\lambda$ AND THE PLASMID $\lambda$ dv. <i>Genetics</i> , 1982, 102, 599-613.	2.9	25
49	DNA SYNTHESIS AT THE SITE OF A <i>Red</i> -MEDIATED EXCHANGE IN PHAGE $\lambda$ . <i>Genetics</i> , 1986, 113, 1-12.	2.9	25
50	Genetic Recombination. <i>Scientific American</i> , 1987, 256, 90-101.	1.0	24
51	The Conversion Gradient at HIS4 of <i>Saccharomyces cerevisiae</i> . I. Heteroduplex Rejection and Restoration of Mendelian Segregation. <i>Genetics</i> , 1999, 153, 555-572.	2.9	24
52	<i>Red</i> -mediated recombination of phage lambda in a <i>recA</i> $\Delta$ <i>recB</i> $\Delta$ host. <i>Molecular Genetics and Genomics</i> , 1978, 159, 207-211.	2.4	22
53	Roles for $\lambda$ Orf and <i>Escherichia coli</i> <i>RecO</i> , <i>RecR</i> and <i>RecF</i> in $\lambda$ Recombination. <i>Genetics</i> , 1997, 147, 357-369.	2.9	20
54	Chi. <i>Genetics</i> , 2005, 170, 487-493.	2.9	18

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55	In Vivo packaging of bacteriophage $\lambda$ monomeric chromosomes. <i>Journal of Molecular Biology</i> , 1997, 267, 75-87.	4.2	16
56	On the $\alpha$ -NPD Ratio as a Test for Crossover Interference. <i>Genetics</i> , 2008, 179, 701-704.	2.9	16
57	A Two-Pathway Analysis of Meiotic Crossing Over and Gene Conversion in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2010, 186, 515-536.	2.9	15
58	A role for recBC nuclease in the distribution of crossovers along unreplicated chromosomes of phage $\lambda$ . <i>Molecular Genetics and Genomics</i> , 1974, 131, 27-30.	2.4	14
59	Red-Mediated Recombination in Bacteriophage Lambda. , 1974, , 407-419.		14
60	Radiobiology of Bacteriophage. , 1959, , 353-385.		14
61	Non-reciprocal crossing over in phage $\lambda$ . <i>Journal of Genetics</i> , 1985, 64, 31-39.	0.7	12
62	Methods for Analysis of Crossover Interference in <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2009, 557, 35-53.	0.9	11
63	Heteroduplex Rejection in Yeast?. <i>Genetics</i> , 2000, 154, 1913-1916.	2.9	10
64	ON RECOMBINATION BETWEEN CLOSE AND DISTANT MARKERS IN PHAGE LAMBDA. <i>Genetics</i> , 1976, 82, 577-593.	2.9	6
65	Apparent Epigenetic Meiotic Double-Strand-Break Disparity in <i>Saccharomyces cerevisiae</i> : A Meta-Analysis. <i>Genetics</i> , 2016, 204, 129-137.	2.9	5
66	Overview of Homologous Recombination and Repair Machines. , 0, , 347-367.		5
67	But See Kitani (1978). <i>Genetics</i> , 2008, 178, 1141-1145.	2.9	5
68	Ira Herskowitz (1946-2003). <i>Cell</i> , 2003, 114, 9-10.	28.9	3
69	On Spo16 and the Coefficient of Coincidence. <i>Genetics</i> , 2009, 181, 327-330.	2.9	3
70	But see KITANI (1978). <i>Genetics</i> , 2008, 178, 1141-5.	2.9	3
71	Young Jan. <i>Genetics</i> , 1998, 148, 1413-1414.	2.9	2
72	WHAT ACCOUNTS FOR THE ORIENTATION DEPENDENCE AND DIRECTIONALITY OF CHI?. , 1980, , 919-926.		2

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73	ALFRED D. HERSHEY. Annual Review of Genetics, 1998, 32, 1-6.	7.6	1
74	About the special section. Journal of Genetics, 1999, 78, 1-1.	0.7	1
75	Serendipity and the times. Bacteriophage, 2015, 5, e1059003.	1.9	0