

Jeffrey

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,420
citations

15
h-index

33
g-index

33
ext. papers

1,549
ext. citations

6.1
avg, IF

3.61
L-index

#	Paper	IF	Citations
32	Genetic studies of the lac repressor. VII. On the molecular nature of spontaneous hotspots in the lacI gene of Escherichia coli. <i>Journal of Molecular Biology</i> , 1978 , 126, 847-57	6.5	514
31	Use of the rpoB gene to determine the specificity of base substitution mutations on the Escherichia coli chromosome. <i>DNA Repair</i> , 2003 , 2, 593-608	4.3	222
30	The consequences of growth of a mutator strain of Escherichia coli as measured by loss of function among multiple gene targets and loss of fitness. <i>Genetics</i> , 2000 , 154, 959-70	4	158
29	Polymerases leave fingerprints: analysis of the mutational spectrum in Escherichia coli rpoB to assess the role of polymerase IV in spontaneous mutation. <i>Journal of Bacteriology</i> , 2004 , 186, 2900-5	3.5	92
28	A thermostable vacuolar-type membrane pyrophosphatase from the archaeon Pyrobaculum aerophilum: implications for the origins of pyrophosphate-energized pumps. <i>FEBS Letters</i> , 1999 , 460, 505-12	3.8	61
27	Escherichia coli strains (ndk) lacking nucleoside diphosphate kinase are powerful mutators for base substitutions and frameshifts in mismatch-repair-deficient strains. <i>Genetics</i> , 2002 , 162, 5-13	4	60
26	Synergistic interactions of vancomycin with different antibiotics against Escherichia coli: trimethoprim and nitrofurantoin display strong synergies with vancomycin against wild-type E. coli. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 276-81	5.9	48
25	The sequence of a subtilisin-type protease (aerolysin) from the hyperthermophilic archaeum Pyrobaculum aerophilum reveals sites important to thermostability. <i>Protein Science</i> , 1994 , 3, 1329-40	6.3	48
24	Genes involved in the determination of the rate of inversions at short inverted repeats. <i>Genes To Cells</i> , 2000 , 5, 425-37	2.3	26
23	Uncovering emergent interactions in three-way combinations of stressors. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	26
22	Polynucleotide phosphorylase plays an important role in the generation of spontaneous mutations in Escherichia coli. <i>Journal of Bacteriology</i> , 2012 , 194, 5613-20	3.5	25
21	Mutational Consequences of Ciprofloxacin in Escherichia coli. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6165-72	5.9	24
20	Perspective on mutagenesis and repair: the standard model and alternate modes of mutagenesis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2005 , 40, 155-79	8.7	19
19	When more is less: Emergent suppressive interactions in three-drug combinations. <i>BMC Microbiology</i> , 2017 , 17, 107	4.5	18
18	Papillation in Bacillus anthracis colonies: a tool for finding new mutators. <i>Molecular Microbiology</i> , 2011 , 79, 1276-93	4.1	17
17	Amino acid substitution analysis of E. coli thymidylate synthase: the study of a highly conserved region at the N-terminus. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992 , 13, 352-63	4.2	12
16	Extreme dNTP pool changes and hypermutability in dcd ndk strains. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016 , 784-785, 16-24	3.3	9

15	Mutagen Synergy: Hypermutability Generated by Specific Pairs of Base Analogs. <i>Journal of Bacteriology</i> , 2016 , 198, 2776-83	3-5	8
14	Pairwise antibiotic interactions in Escherichia coli: triclosan, rifampicin and aztreonam with nine other classes of antibiotics. <i>Journal of Antibiotics</i> , 2016 , 69, 791-797	3-7	6
13	Evidence that YycJ is a novel 5'3' double-stranded DNA exonuclease acting in Bacillus anthracis mismatch repair. <i>DNA Repair</i> , 2013 , 12, 334-46	4-3	5
12	Developing a Genetic System in Deinococcus radiodurans for Analyzing Mutations. <i>Genetics</i> , 2004 , 166, 661-668	4	5
11	Tomas Lindahl: 2015 Nobel Laureate. <i>DNA Repair</i> , 2016 , 37, A29-34	4-3	4
10	Exploring Synergy between Classic Mutagens and Antibiotics To Examine Mechanisms of Synergy and Antibiotic Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 60, 1515-20	5-9	3
9	The Antibiotic Trimethoprim Displays Strong Mutagenic Synergy with 2-Aminopurine. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5-9	3
8	Mutations induced by Bleomycin, 4-nitroquinoline-1-oxide, and hydrogen peroxide in the rpoB gene of Escherichia coli: Perspective on Mutational Hotspots. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2020 , 821, 111702	3-3	2
7	Mutagenesis: Interactions with a parallel universe. <i>Mutation Research - Reviews in Mutation Research</i> , 2018 , 776, 78-81	7	2
6	"There were giants in the earth in those days." Genesis 6:4. <i>Research in Microbiology</i> , 2014 , 165, 359-61	4	1
5	Mutagenesis and Repair in Bacillus anthracis : the Effect of Mutators. <i>Journal of Bacteriology</i> , 2007 , 189, 3932-3932	3-5	1
4	Enhanced characterization of the thyA system for mutational analysis in Escherichia coli: Defining mutationally "hot" regions of the gene. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2021 , 823, 111754	3-3	1
3	My long and winding road to mutagenesis and DNA repair pathways. <i>DNA Repair</i> , 2013 , 12, 247-56	4-3	
2	Before and After Phage: The Emergence of Bacterial Genetics . Thomas D. Brock. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1990. xxii, 346 pp., illus. \$55.. <i>Science</i> , 1991 , 251, 1258-1259	3-3	3
1	Before and After Phage: The Emergence of Bacterial Genetics . Thomas D. Brock. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, 1990. xxii, 346 pp., illus. \$55.. <i>Science</i> , 1991 , 251, 1258-1259	3-3	3