Jeffrey

List of Publications by Year in Descending Order

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	Enhanced characterization of the thyA system for mutational analysis in Escherichia coli: Defining mutationally "hot" regions of the gene. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2021**, 823, 111754	3.3	1
31	Mutations induced by Bleomycin, 4-nitroquinoline-1-oxide, and hydrogen peroxide in the rpoB gene of Escherichia coli: Perspective on Mutational Hotspots. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2020**, 821, 111702	3.3	2
30	The Antibiotic Trimethoprim Displays Strong Mutagenic Synergy with 2-Aminopurine. *Antimicrobial Agents and Chemotherapy*, **2019**, 63,	5.9	3
29	Mutagenesis: Interactions with a parallel universe. *Mutation Research - Reviews in Mutation Research*, **2018**, 776, 78-81	7	2
28	When more is less: Emergent suppressive interactions in three-drug combinations. *BMC Microbiology*, **2017**, 17, 107	4.5	18
27	Pairwise antibiotic interactions in Escherichia coli: triclosan, rifampicin and aztreonam with nine other classes of antibiotics. *Journal of Antibiotics*, **2016**, 69, 791-797	3.7	6
26	Uncovering emergent interactions in three-way combinations of stressors. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	26
25	Extreme dNTP pool changes and hypermutability in dcd ndk strains. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2016**, 784-785, 16-24	3.3	9
24	Tomas Lindahl: 2015 Nobel Laureate. *DNA Repair*, **2016**, 37, A29-34	4.3	4
23	Mutational Consequences of Ciprofloxacin in Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 6165-72	5.9	24
22	Mutagen Synergy: Hypermutability Generated by Specific Pairs of Base Analogs. *Journal of Bacteriology*, **2016**, 198, 2776-83	3.5	8
21	Synergistic interactions of vancomycin with different antibiotics against Escherichia coli: trimethoprim and nitrofurantoin display strong synergies with vancomycin against wild-type E. coli. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 276-81	5.9	48
20	Exploring Synergy between Classic Mutagens and Antibiotics To Examine Mechanisms of Synergy and Antibiotic Action. *Antimicrobial Agents and Chemotherapy*, **2015**, 60, 1515-20	5.9	3
19	"There were giants in the earth in those days." Genesis 6:4. *Research in Microbiology*, **2014**, 165, 359-61	4	1
18	My long and winding road to mutagenesis and DNA repair pathways. *DNA Repair*, **2013**, 12, 247-56	4.3	
17	Evidence that YycJ is a novel 5∀3∀double-stranded DNA exonuclease acting in Bacillus anthracis mismatch repair. *DNA Repair*, **2013**, 12, 334-46	4.3	5
16	Polynucleotide phosphorylase plays an important role in the generation of spontaneous mutations in Escherichia coli. *Journal of Bacteriology*, **2012**, 194, 5613-20	3.5	25

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15	Papillation in Bacillus anthracis colonies: a tool for finding new mutators. *Molecular Microbiology*, **2011**, 79, 1276-93	4.1	17
14	Mutagenesis and Repair in Bacillus anthracis : the Effect of Mutators. *Journal of Bacteriology*, **2007**, 189, 3932-3932	3.5	1
13	Perspective on mutagenesis and repair: the standard model and alternate modes of mutagenesis. *Critical Reviews in Biochemistry and Molecular Biology*, **2005**, 40, 155-79	8.7	19
12	Polymerases leave fingerprints: analysis of the mutational spectrum in Escherichia coli rpoB to assess the role of polymerase IV in spontaneous mutation. *Journal of Bacteriology*, **2004**, 186, 2900-5	3.5	92
11	Developing a Genetic System in Deinococcus radiodurans for Analyzing Mutations. *Genetics*, **2004**, 166, 661-668	4	5
10	Use of the rpoB gene to determine the specificity of base substitution mutations on the Escherichia coli chromosome. *DNA Repair*, **2003**, 2, 593-608	4.3	222
9	Escherichia coli strains (ndk) lacking nucleoside diphosphate kinase are powerful mutators for base substitutions and frameshifts in mismatch-repair-deficient strains. *Genetics*, **2002**, 162, 5-13	4	60
8	Genes involved in the determination of the rate of inversions at short inverted repeats. *Genes To Cells*, **2000**, 5, 425-37	2.3	26
7	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. *Genetics*, **2000**, 154, 959-70	4	158
6	A thermostable vacuolar-type membrane pyrophosphatase from the archaeon Pyrobaculum aerophilum: implications for the origins of pyrophosphate-energized pumps. *FEBS Letters*, **1999**, 460, 505-12	3.8	61
5	The sequence of a subtilisin-type protease (aerolysin) from the hyperthermophilic archaeum Pyrobaculum aerophilum reveals sites important to thermostability. *Protein Science*, **1994**, 3, 1329-40	6.3	48
4	Amino acid substitution analysis of E. coli thymidylate synthase: the study of a highly conserved region at the N-terminus. *Proteins: Structure, Function and Bioinformatics*, **1992**, 13, 352-63	4.2	12
3	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.. *Science*, **1991**, 251, 1258-1259	33.2	
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.. *Science*, **1991**, 251, 1258-1259	33.2	
1	Genetic studies of the lac repressor. VII. On the molecular nature of spontaneous hotspots in the lacI gene of Escherichia coli. *Journal of Molecular Biology*, **1978**, 126, 847-57	6.5	514