

# Elisabeth A Raleigh

## List of Publications by Year in descending order

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38  
papers

3,005  
citations

304743

22  
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315739

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42  
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42  
docs citations

42  
times ranked

2881  
citing authors

#	ARTICLE	IF	CITATIONS
1	A nomenclature for restriction enzymes, DNA methyltransferases, homing endonucleases and their genes. <i>Nucleic Acids Research</i> , 2003, 31, 1805-1812.	14.5	634
2	McrA and McrB restriction phenotypes of some <i>E. coli</i> strains and implications for gene cloning. <i>Nucleic Acids Research</i> , 1988, 16, 1563-1575.	14.5	357
3	Highlights of the DNA cutters: a short history of the restriction enzymes. <i>Nucleic Acids Research</i> , 2014, 42, 3-19.	14.5	284
4	Type I restriction enzymes and their relatives. <i>Nucleic Acids Research</i> , 2014, 42, 20-44.	14.5	217
5	McrBC: a multisubunit GTP-dependent restriction endonuclease. <i>Journal of Molecular Biology</i> , 1992, 225, 327-348.	4.2	200
6	Biosynthesis and Function of Modified Bases in Bacteria and Their Viruses. <i>Chemical Reviews</i> , 2016, 116, 12655-12687.	47.7	151
7	The other face of restriction: modification-dependent enzymes. <i>Nucleic Acids Research</i> , 2014, 42, 56-69.	14.5	149
8	Organization and function of the mcrBC genes of <i>Escherichia coli</i> K-12. <i>Molecular Microbiology</i> , 1992, 6, 1079-1086.	2.5	133
9	RimO, a MiaB-like enzyme, methylthiolates the universally conserved Asp88 residue of ribosomal protein S12 in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1826-1831.	7.1	97
10	Discovery and distribution of super-integrins among <i>Pseudomonads</i> . <i>Molecular Microbiology</i> , 2008, 42, 587-601.	2.5	80
11	Methyl-specific DNA binding by McrBC, a modification-dependent restriction enzyme. <i>Journal of Molecular Biology</i> , 2000, 298, 611-622.	4.2	63
12	The McrBC endonuclease translocates DNA in a reaction dependent on GTP hydrolysis 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1999, 290, 49-60.	4.2	56
13	Cassette-like variation of restriction enzyme genes in <i>Escherichia coli</i> C and relatives. <i>Nucleic Acids Research</i> , 2004, 32, 522-534.	14.5	53
14	Physical Analysis of Tn10- and IS10-Promoted Transpositions and Rearrangements. <i>Genetics</i> , 1987, 116, 359-369.	2.9	50
15	Lack of correlation between extracellular polysaccharide and nodulation ability in <i>Rhizobium</i> . <i>Nature</i> , 1981, 292, 148-149.	27.8	42
16	The "endo-blue method"™ for direct cloning of restriction endonuclease genes in <i>E. coli</i> . <i>Nucleic Acids Research</i> , 1994, 22, 2399-2403.	14.5	41
17	Functional characterization of the YmcB and YqeV tRNA methylthiotransferases of <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2010, 38, 6195-6205.	14.5	39
18	Molecular Evolution of the <i>Escherichia coli</i> Chromosome. V. Recombination Patterns Among Strains of Diverse Origin. <i>Genetics</i> , 1999, 153, 539-554.	2.9	36

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19	Complete Genome Sequence of ER2796, a DNA Methyltransferase-Deficient Strain of Escherichia coli K-12. PLoS ONE, 2015, 10, e0127446.	2.5	31
20	[12] Restriction and modification in vivo by Escherichia coli K12. Methods in Enzymology, 1987, 152, 130-141.	1.0	30
21	Transposon-Mediated Linker Insertion Scanning Mutagenesis of the Escherichia coli McrA Endonuclease. Journal of Bacteriology, 2004, 186, 5699-5707.	2.2	29
22	Evolution of Bacterial Phosphoglycerate Mutases: Non-Homologous Isofunctional Enzymes Undergoing Gene Losses, Gains and Lateral Transfers. PLoS ONE, 2010, 5, e13576.	2.5	29
23	Multiple IS10 rearrangements in Escherichia coli. Journal of Molecular Biology, 1984, 173, 437-461.	4.2	28
24	McrBs, a modulator peptide for McrBC activity. EMBO Journal, 1998, 17, 5477-5483.	7.8	22
25	Rpn (YhgA-Like) Proteins of Escherichia coli K-12 and Their Contribution to RecA-Independent Horizontal Transfer. Journal of Bacteriology, 2017, 199, .	2.2	21
26	A versatile element for gene addition in bacterial chromosomes. Nucleic Acids Research, 2012, 40, e19-e19.	14.5	20
27	Complete Genome Sequence of the Engineered <i>Escherichia coli</i> SHuffle Strains and Their Wild-Type Parents. Genome Announcements, 2016, 4, .	0.8	19
28	Genetic dissection of the methylcytosine-specific restriction system mcrB of Escherichia coli K-12. Gene, 1988, 74, 23-24.	2.2	16
29	Cleavage of a model DNA replication fork by a methyl-specific endonuclease. Nucleic Acids Research, 2011, 39, 5489-5498.	14.5	16
30	Determination of DNA concentration by electron microscopy. Analytical Biochemistry, 1976, 72, 460-467.	2.4	12
31	Novel recA-Independent Horizontal Gene Transfer in Escherichia coli K-12. PLoS ONE, 2015, 10, e0130813.	2.5	12
32	Plasmid replication-associated single-strand-specific methyltransferases. Nucleic Acids Research, 2020, 48, 12858-12873.	14.5	12
33	EcoBMcrX, a classical modification-dependent restriction enzyme in Escherichia coli B: Characterization in vivo and in vitro with a new approach to cleavage site determination. PLoS ONE, 2017, 12, e0179853.	2.5	8
34	Genome analysis of <i>Salmonella enterica</i> serovar Typhimurium bacteriophage L, indicator for StySA (StyLT2III) restriction-modification system action. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	7
35	Genome archaeology of two laboratory <i>Salmonella enterica enterica</i> sv Typhimurium. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	4
36	Reassembling a cannon in the DNA defense arsenal: Genetics of StySA, a BREX phage exclusion system in Salmonella lab strains. PLoS Genetics, 2022, 18, e1009943.	3.5	4

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37	On the regulation and diversity of restriction in escherichia coli. <i>Gene</i> , 1995, 157, 229-230.	2.2	2
38	Complete Annotated Genome Sequence of the Salmonella enterica Serovar Typhimurium LT7 Strain STK003, Historically Used in Gene Transfer Studies. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1