

# Roger A Garrett

## List of Publications by Year in Descending Order

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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.

219  
papers

11,915  
citations

58  
h-index

101  
g-index

225  
ext. papers

13,480  
ext. citations

9  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
219	CRISPR-Cas systems are widespread accessory elements across bacterial and archaeal plasmids. <i>Nucleic Acids Research</i> , <b>2021</b> ,	20.1	6
218	Archaeal Viruses and Their Interactions with CRISPR-Cas Systems <b>2020</b> , 199-220		
217	Type IV CRISPR-Cas systems are highly diverse and involved in competition between plasmids. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 2000-2012	20.1	57
216	Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , <b>2020</b> , 18, 67-83	22.2	545
215	Predicted highly derived class 1 CRISPR-Cas system in Haloarchaea containing diverged Cas5 and Cas7 homologs but no CRISPR array. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	9
214	Comprehensive search for accessory proteins encoded with archaeal and bacterial type III CRISPR-cas gene cassettes reveals 39 new cas gene families. <i>RNA Biology</i> , <b>2019</b> , 16, 530-542	4.8	52
213	Stable maintenance of the rudivirus SIRV3 in a carrier state in <i>Sulfolobus islandicus</i> despite activation of the CRISPR-Cas immune response by a second virus SMV1. <i>RNA Biology</i> , <b>2019</b> , 16, 557-565	4.8	7
212	Major and minor crRNA annealing sites facilitate low stringency DNA protospacer binding prior to Type I-A CRISPR-Cas interference in <i>Sulfolobus</i> . <i>RNA Biology</i> , <b>2016</b> , 13, 1166-1173	4.8	11
211	Archaeal physiology: The secrets of termination. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16159	26.6	2
210	Diverse CRISPR-Cas responses and dramatic cellular DNA changes and cell death in pKEF9-conjugated <i>Sulfolobus</i> species. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 4233-42	20.1	15
209	Transcriptome changes in STSV2-infected <i>Sulfolobus islandicus</i> REY15A undergoing continuous CRISPR spacer acquisition. <i>Molecular Microbiology</i> , <b>2016</b> , 99, 719-28	4.1	23
208	Repression of RNA polymerase by the archaeo-viral regulator ORF145/RIP. <i>Nature Communications</i> , <b>2016</b> , 7, 13595	17.4	16
207	Characterizing leader sequences of CRISPR loci. <i>Bioinformatics</i> , <b>2016</b> , 32, i576-i585	7.2	46
206	Genomic context drives transcription of insertion sequences in the bacterial endosymbiont <i>Wolbachia wVulC</i> . <i>Gene</i> , <b>2015</b> , 564, 81-6	3.8	1
205	An updated evolutionary classification of CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 722-36	22.2	1434
204	Archaeal Viruses of the Sulfolobales: Isolation, Infection, and CRISPR Spacer Acquisition. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1311, 223-32	1.4	2
203	CRISPR-Cas Adaptive Immune Systems of the Sulfolobales: Unravelling Their Complexity and Diversity. <i>Life</i> , <b>2015</b> , 5, 783-817	3	35

202	Adenosine triphosphatases of thermophilic archaeal double-stranded DNA viruses. <i>Cell and Bioscience</i> , <b>2014</b> , 4, 37	9.8	6
201	Structure of the Yeast Ribosomal Stalk <b>2014</b> , 115-125		8
200	CRISPR adaptive immune systems of Archaea. <i>RNA Biology</i> , <b>2014</b> , 11, 156-67	4.8	107
199	A backward view from 16S rRNA to archaea to the universal tree of life to progenotes: reminiscences of Carl Woese. <i>RNA Biology</i> , <b>2014</b> , 11, 232-5	4.8	5
198	Inter-viral conflicts that exploit host CRISPR immune systems of Sulfolobus. <i>Molecular Microbiology</i> , <b>2014</b> , 91, 900-17	4.1	59
197	CRISPRstrand: predicting repeat orientations to determine the crRNA-encoding strand at CRISPR loci. <i>Bioinformatics</i> , <b>2014</b> , 30, i489-96	7.2	49
196	A novel single-tailed fusiform Sulfolobus virus STSV2 infecting model Sulfolobus species. <i>Extremophiles</i> , <b>2014</b> , 18, 51-60	3	33
195	Discovery and Seminal Developments in the CRISPR Field <b>2013</b> , 1-31		4
194	Archaeal Type II Toxin-Antitoxins <b>2013</b> , 225-238		4
193	Genome sequence of a novel archaeal rudivirus recovered from a mexican hot spring. <i>Genome Announcements</i> , <b>2013</b> , 1,		10
192	Genome sequence of a novel archaeal fusellovirus assembled from the metagenome of a mexican hot spring. <i>Genome Announcements</i> , <b>2013</b> , 1, e0016413		10
191	Solution properties of the archaeal CRISPR DNA repeat-binding homeodomain protein Cbp2. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 3424-35	20.1	7
190	SMV1 virus-induced CRISPR spacer acquisition from the conjugative plasmid pMGB1 in Sulfolobus solfataricus P2. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 1449-58	5.1	21
189	A novel interference mechanism by a type IIIB CRISPR-Cmr module in Sulfolobus. <i>Molecular Microbiology</i> , <b>2013</b> , 87, 1088-99	4.1	194
188	Protospacer recognition motifs: mixed identities and functional diversity. <i>RNA Biology</i> , <b>2013</b> , 10, 891-9	4.8	245
187	Novel insights into gene regulation of the rudivirus SIRV2 infecting Sulfolobus cells. <i>RNA Biology</i> , <b>2013</b> , 10, 875-85	4.8	33
186	Genome Sequence of the Acidophilic Bacterium Acidocella sp. Strain MX-AZ02. <i>Genome Announcements</i> , <b>2013</b> , 1,		4
185	Discovery and Seminal Developments in the CRISPR Field <b>2013</b> , 1		8

184	Selective and hyperactive uptake of foreign DNA by adaptive immune systems of an archaeon via two distinct mechanisms. <i>Molecular Microbiology</i> , <b>2012</b> , 85, 1044-56	4.1	118
183	Modulation of CRISPR locus transcription by the repeat-binding protein Cbp1 in <i>Sulfolobus</i> . <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 2470-80	20.1	59
182	The expression of one ankyrin pk2 allele of the WO prophage is correlated with the <i>Wolbachia</i> feminizing effect in isopods. <i>BMC Microbiology</i> , <b>2012</b> , 12, 55	4.5	21
181	Selective and hyperactive uptake of foreign DNA by adaptive immune systems of an archaeon via two distinct mechanisms. <i>Molecular Microbiology</i> , <b>2012</b> , 86, 757-757	4.1	3
180	Archaeal viruses--novel, diverse and enigmatic. <i>Science China Life Sciences</i> , <b>2012</b> , 55, 422-33	8.5	21
179	Crystal structure of ATV(ORF273), a new fold for a thermo- and acido-stable protein from the <i>Acidianus</i> two-tailed virus. <i>PLoS ONE</i> , <b>2012</b> , 7, e45847	3.7	6
178	CRISPR/Cas and CRISPR/Cmr Immune Systems of Archaea <b>2012</b> , 163-181		2
177	Archaeal CRISPR-based immune systems: exchangeable functional modules. <i>Trends in Microbiology</i> , <b>2011</b> , 19, 549-56	12.4	84
176	CRISPR/Cas and Cmr modules, mobility and evolution of adaptive immune systems. <i>Research in Microbiology</i> , <b>2011</b> , 162, 27-38	4	80
175	CRISPR-based immune systems of the Sulfolobales: complexity and diversity. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 51-7	5.1	58
174	Dynamic properties of the <i>Sulfolobus</i> CRISPR/Cas and CRISPR/Cmr systems when challenged with vector-borne viral and plasmid genes and protospacers. <i>Molecular Microbiology</i> , <b>2011</b> , 79, 35-49	4.1	184
173	AAA ATPase p529 of <i>Acidianus</i> two-tailed virus ATV and host receptor recognition. <i>Virology</i> , <b>2011</b> , 421, 61-6	3.6	11
172	Genomic analysis of <i>Acidianus hospitalis</i> W1 a host for studying crenarchaeal virus and plasmid life cycles. <i>Extremophiles</i> , <b>2011</b> , 15, 487-97	3	31
171	Chaperone role for proteins p618 and p892 in the extracellular tail development of <i>Acidianus</i> two-tailed virus. <i>Journal of Virology</i> , <b>2011</b> , 85, 4812-21	6.6	24
170	A dimeric Rep protein initiates replication of a linear archaeal virus genome: implications for the Rep mechanism and viral replication. <i>Journal of Virology</i> , <b>2011</b> , 85, 925-31	6.6	34
169	Genome analyses of Icelandic strains of <i>Sulfolobus islandicus</i> , model organisms for genetic and virus-host interaction studies. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 1672-80	3.5	106
168	Metagenomic analyses of novel viruses and plasmids from a cultured environmental sample of hyperthermophilic neutrophiles. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 2918-30	5.2	35
167	The Scottish Structural Proteomics Facility: targets, methods and outputs. <i>Journal of Structural and Functional Genomics</i> , <b>2010</b> , 11, 167-80		92

166	Getting the best out of long-wavelength X-rays: de novo chlorine/sulfur SAD phasing of a structural protein from ATV. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2010</b> , 66, 304-8		34
165	The mosaic genome structure of the Wolbachia wRi strain infecting <i>Drosophila simulans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5725-30	11.5	207
164	CRISPR families of the crenarchaeal genus <i>Sulfolobus</i> : bidirectional transcription and dynamic properties. <i>Molecular Microbiology</i> , <b>2009</b> , 72, 259-72	4.1	194
163	Four newly isolated fuselloviruses from extreme geothermal environments reveal unusual morphologies and a possible interviral recombination mechanism. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 2849-62	5.2	75
162	Conservation of the Type IV secretion system throughout Wolbachia evolution. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 385, 557-62	3.4	42
161	Distribution of CRISPR spacer matches in viruses and plasmids of crenarchaeal acidothermophiles and implications for their inhibitory mechanism. <i>Biochemical Society Transactions</i> , <b>2009</b> , 37, 23-8	5.1	86
160	Viruses in acidic geothermal environments of the Kamchatka Peninsula. <i>Research in Microbiology</i> , <b>2008</b> , 159, 358-66	4	37
159	Characterization and transcriptional analysis of two gene clusters for type IV secretion machinery in Wolbachia of <i>Armadillidium vulgare</i> . <i>Research in Microbiology</i> , <b>2008</b> , 159, 481-5	4	18
158	Stygiolobus rod-shaped virus and the interplay of crenarchaeal rudiviruses with the CRISPR antiviral system. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 6837-45	3.5	55
157	Structure of the acidianus filamentous virus 3 and comparative genomics of related archaeal lipothrixviruses. <i>Journal of Virology</i> , <b>2008</b> , 82, 371-81	6.6	43
156	The genome of <i>Hyperthermus butylicus</i> : a sulfur-reducing, peptide fermenting, neutrophilic Crenarchaeote growing up to 108 degrees C. <i>Archaea</i> , <b>2007</b> , 2, 127-35	2	37
155	Genome of the Acidianus bottle-shaped virus and insights into the replication and packaging mechanisms. <i>Virology</i> , <b>2007</b> , 364, 237-43	3.6	47
154	Mutations and rearrangements in the genome of <i>Sulfolobus solfataricus</i> P2. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 4198-206	3.5	54
153	Structural and genomic properties of the hyperthermophilic archaeal virus ATV with an extracellular stage of the reproductive cycle. <i>Journal of Molecular Biology</i> , <b>2006</b> , 359, 1203-16	6.5	97
152	Evolutionary genomics of archaeal viruses: unique viral genomes in the third domain of life. <i>Virus Research</i> , <b>2006</b> , 117, 52-67	6.4	173
151	A putative viral defence mechanism in archaeal cells. <i>Archaea</i> , <b>2006</b> , 2, 59-72	2	221
150	Crystallization and preliminary X-ray diffraction analysis of protein 14 from <i>Sulfolobus islandicus</i> filamentous virus (SIFV). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 884-6		4
149	Viruses of the Archaea: a unifying view. <i>Nature Reviews Microbiology</i> , <b>2006</b> , 4, 837-48	22.2	283

148	Viruses of hyperthermophilic Crenarchaea. <i>Trends in Microbiology</i> , <b>2005</b> , 13, 535-42	12.4	67
147	Identification of novel non-coding RNAs as potential antisense regulators in the archaeon <i>Sulfolobus solfataricus</i> . <i>Molecular Microbiology</i> , <b>2005</b> , 55, 469-81	4.1	173
146	Divergent transcriptional and translational signals in Archaea. <i>Environmental Microbiology</i> , <b>2005</b> , 7, 47-54	5.2	105
145	Virology: independent virus development outside a host. <i>Nature</i> , <b>2005</b> , 436, 1101-2	50.4	128
144	A novel rudivirus, ARV1, of the hyperthermophilic archaeal genus <i>Acidianus</i> . <i>Virology</i> , <b>2005</b> , 336, 83-92	3.6	59
143	Novel RepA-MCM proteins encoded in plasmids pTAU4, pORA1 and pTIK4 from <i>Sulfolobus neozelandicus</i> . <i>Archaea</i> , <b>2005</b> , 1, 319-25	2	22
142	The genome of <i>Sulfolobus acidocaldarius</i> , a model organism of the Crenarchaeota. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 4992-9	3.5	235
141	Viral diversity in hot springs of Pozzuoli, Italy, and characterization of a unique archaeal virus, <i>Acidianus</i> bottle-shaped virus, from a new family, the Ampullaviridae. <i>Journal of Virology</i> , <b>2005</b> , 79, 9904-11	6.6	89
140	Structure and genome organization of AFV2, a novel archaeal lipothrixvirus with unusual terminal and core structures. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3855-8	3.5	45
139	Genomic comparison of archaeal conjugative plasmids from <i>Sulfolobus</i> . <i>Archaea</i> , <b>2004</b> , 1, 231-9	2	75
138	Multiple variants of the archaeal DNA rudivirus SIRV1 in a single host and a novel mechanism of genomic variation. <i>Molecular Microbiology</i> , <b>2004</b> , 54, 366-75	4.1	32
137	Morphology and genome organization of the virus PSV of the hyperthermophilic archaeal genera <i>Pyrobaculum</i> and <i>Thermoproteus</i> : a novel virus family, the Globuloviridae. <i>Virology</i> , <b>2004</b> , 323, 233-42	3.6	98
136	Genus-specific protein binding to the large clusters of DNA repeats (short regularly spaced repeats) present in <i>Sulfolobus</i> genomes. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 2410-7	3.5	59
135	AFV1, a novel virus infecting hyperthermophilic archaea of the genus <i>acidianus</i> . <i>Virology</i> , <b>2003</b> , 315, 68-79	3.6	113
134	Relationships between fuselloviruses infecting the extremely thermophilic archaeon <i>Sulfolobus</i> : SSV1 and SSV2. <i>Research in Microbiology</i> , <b>2003</b> , 154, 295-302	4	89
133	Mobile elements in archaeal genomes. <i>FEMS Microbiology Letters</i> , <b>2002</b> , 206, 131-41	2.9	78
132	Sequences and replication of genomes of the archaeal rudiviruses SIRV1 and SIRV2: relationships to the archaeal lipothrixvirus SIFV and some eukaryal viruses. <i>Virology</i> , <b>2001</b> , 291, 226-34	3.6	103
131	Gene capture in archaeal chromosomes. <i>Nature</i> , <b>2001</b> , 409, 478	50.4	49

130	Non-autonomous mobile elements in the crenarchaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Molecular Biology</i> , <b>2001</b> , 306, 1-6	6.5	35
129	Puromycin-rRNA interaction sites at the peptidyl transferase center. <i>Rna</i> , <b>2000</b> , 6, 744-54	5.8	22
128	Gene content and organization of a 281-kbp contig from the genome of the extremely thermophilic archaeon, <i>Sulfolobus solfataricus</i> P2. <i>Genome</i> , <b>2000</b> , 43, 116-36	2.4	10
127	pING family of conjugative plasmids from the extremely thermophilic archaeon <i>Sulfolobus islandicus</i> : insights into recombination and conjugation in Crenarchaeota. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 7014-20	3.5	64
126	A BAC library and paired-PCR approach to mapping and completing the genome sequence of <i>Sulfolobus solfataricus</i> P2. <i>DNA Sequence</i> , <b>2000</b> , 11, 183-92		8
125	Evolution of the family of pRN plasmids and their integrase-mediated insertion into the chromosome of the crenarchaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Molecular Biology</i> , <b>2000</b> , 303, 449-54	6.5	63
124	Gene content and organization of a 281-kbp contig from the genome of the extremely thermophilic archaeon, <i>Sulfolobus solfataricus</i> P2. <i>Genome</i> , <b>2000</b> , 43, 116-136	2.4	2
123	Peptidyl transferase antibiotics perturb the relative positioning of the 3'-terminal adenosine of P/P'-site-bound tRNA and 23S rRNA in the ribosome. <i>Rna</i> , <b>1999</b> , 5, 1003-13	5.8	28
122	UV-induced modifications in the peptidyl transferase loop of 23S rRNA dependent on binding of the streptogramin B antibiotic, pristinamycin IA. <i>Rna</i> , <b>1999</b> , 5, 585-95	5.8	16
121	The genetic element pSSVx of the extremely thermophilic crenarchaeon <i>Sulfolobus</i> is a hybrid between a plasmid and a virus. <i>Molecular Microbiology</i> , <b>1999</b> , 34, 217-26	4.1	95
120	Ribosomal mechanics, antibiotics, and GTP hydrolysis. <i>Cell</i> , <b>1999</b> , 97, 423-6	56.2	42
119	Sites of interaction of streptogramin A and B antibiotics in the peptidyl transferase loop of 23 S rRNA and the synergism of their inhibitory mechanisms. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 375-87	6.5	70
118	The antibiotic micrococcin acts on protein L11 at the ribosomal GTPase centre. <i>Journal of Molecular Biology</i> , <b>1999</b> , 287, 33-45	6.5	52
117	Genetic elements in the extremely thermophilic archaeon <i>Sulfolobus</i> . <i>Extremophiles</i> , <b>1998</b> , 2, 131-40	3	120
116	Completing the sequence of the <i>Sulfolobus solfataricus</i> P2 genome. <i>Extremophiles</i> , <b>1998</b> , 2, 305-12	3	50
115	Archaea and the new age of microorganisms. <i>Trends in Ecology and Evolution</i> , <b>1998</b> , 13, 190-4	10.9	18
114	<i>Sulfolobus</i> genome: from genomics to biology. <i>Current Opinion in Microbiology</i> , <b>1998</b> , 1, 584-8	7.9	21
113	The antibiotic thiostrepton inhibits a functional transition within protein L11 at the ribosomal GTPase centre. <i>Journal of Molecular Biology</i> , <b>1998</b> , 276, 391-404	6.5	106

112	Assembly of proteins and 5 S rRNA to transcripts of the major structural domains of 23 S rRNA. <i>Journal of Molecular Biology</i> , <b>1998</b> , 284, 227-40	6.5	36
111	Movement of the 3'-end of tRNA through the peptidyl transferase centre and its inhibition by antibiotics. <i>FEBS Letters</i> , <b>1997</b> , 406, 223-33	3.8	46
110	A sparsomycin-resistant mutant of <i>Halobacterium salinarium</i> lacks a modification at nucleotide U2603 in the peptidyl transferase centre of 23 S rRNA. <i>Journal of Molecular Biology</i> , <b>1996</b> , 261, 231-8	6.5	37
109	The donor substrate site within the peptidyl transferase loop of 23 S rRNA and its putative interactions with the CCA-end of N-blocked aminoacyl-tRNA(Phe). <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 472-83	6.5	34
108	Genomes: <i>Methanococcus jannaschii</i> and the golden fleece. <i>Current Biology</i> , <b>1996</b> , 6, 1377-80	6.3	10
107	Phylogenetic Analysis of the Archaeal Order of Sulfolobales Based on Sequences of 23S rRNA Genes and 16S/23S rDNA Spacers. <i>Systematic and Applied Microbiology</i> , <b>1996</b> , 19, 61-65	4.2	11
106	General vectors for archaeal hyperthermophiles: strategies based on a mobile intron and a plasmid. <i>FEMS Microbiology Reviews</i> , <b>1996</b> , 18, 93-104	15.1	51
105	Role for the highly conserved region of domain IV of 23S-like rRNA in subunit-subunit interactions at the peptidyl transferase centre. <i>Nucleic Acids Research</i> , <b>1995</b> , 23, 1512-7	20.1	31
104	Fine structure of the peptidyl transferase centre on 23 S-like rRNAs deduced from chemical probing of antibiotic-ribosome complexes. <i>Journal of Molecular Biology</i> , <b>1995</b> , 247, 224-35	6.5	140
103	Mapping important nucleotides in the peptidyl transferase centre of 23 S rRNA using a random mutagenesis approach. <i>Journal of Molecular Biology</i> , <b>1995</b> , 249, 1-10	6.5	72
102	Antibiotic inhibition of the movement of tRNA substrates through a peptidyl transferase cavity. <i>Biochemistry and Cell Biology</i> , <b>1995</b> , 73, 877-85	3.6	20
101	Structural characteristics of the stable RNA introns of archaeal hyperthermophiles and their splicing junctions. <i>Journal of Molecular Biology</i> , <b>1994</b> , 243, 846-55	6.5	36
100	Cross-hypersensitivity effects of mutations in 23 S rRNA yield insight into aminoacyl-tRNA binding. <i>Journal of Molecular Biology</i> , <b>1994</b> , 244, 151-7	6.5	30
99	DNA substrate specificity and cleavage kinetics of an archaeal homing-type endonuclease from <i>Pyrobaculum organotrophum</i> . <i>Nucleic Acids Research</i> , <b>1994</b> , 22, 4583-90	20.1	32
98	Archaeal rRNA Operons, Intron Splicing and Homing Endonucleases, RNA Polymerase Operons and Phylogeny. <i>Systematic and Applied Microbiology</i> , <b>1993</b> , 16, 680-691	4.2	13
97	Stable Maintenance in Halobacteria of Plasmids Harboring rDNA. <i>Systematic and Applied Microbiology</i> , <b>1993</b> , 16, 672-679	4.2	
96	Phylogenetic Relationships Amongst the Hyperthermophilic Archaea Determined from Partial 23S rRNA Gene Sequences. <i>Systematic and Applied Microbiology</i> , <b>1992</b> , 15, 203-208	4.2	25
95	Protein-coding introns from the 23S rRNA-encoding gene form stable circles in the hyperthermophilic archaeon <i>Pyrobaculum organotrophum</i> . <i>Gene</i> , <b>1992</b> , 121, 103-10	3.8	44



94	Archaeal rRNA operons. <i>Trends in Biochemical Sciences</i> , <b>1991</b> , 16, 22-6	10.3	63
93	Attachment sites of primary binding proteins L1, L2 and L23 on 23 S ribosomal RNA of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>1991</b> , 222, 251-64	6.5	44
92	Secondary structural elements exclusive to the sequences flanking ribosomal RNAs lend support to the monophyletic nature of the archaeobacteria. <i>Journal of Molecular Evolution</i> , <b>1990</b> , 31, 25-32	3.1	18
91	Sequence, Organization and Transcription of the Ribosomal RNA Operon and the Downstream tRNA and Protein Genes in the Archaeobacterium <i>Thermophilum pendens</i> . <i>Systematic and Applied Microbiology</i> , <b>1990</b> , 13, 117-127	4.2	20
90	Characterization of the binding sites of protein L11 and the L10.(L12) <sub>4</sub> pentameric complex in the GTPase domain of 23 S ribosomal RNA from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>1990</b> , 213, 275-88	6.5	126
89	The phylogenetic relations of DNA-dependent RNA polymerases of archaeobacteria, eukaryotes, and eubacteria. <i>Canadian Journal of Microbiology</i> , <b>1989</b> , 35, 73-80	3.2	59
88	Comparison of transfer RNA and ribosomal RNA intron splicing in the extreme thermophile and archaeobacterium <i>Desulfurococcus mobilis</i> . <i>Canadian Journal of Microbiology</i> , <b>1989</b> , 35, 210-4	3.2	41
87	Sequence, organization, transcription and evolution of RNA polymerase subunit genes from the archaeobacterial extreme halophiles <i>Halobacterium halobium</i> and <i>Halococcus morrhuae</i> . <i>Journal of Molecular Biology</i> , <b>1989</b> , 206, 1-17	6.5	141
86	Protein L18 binds primarily at the junctions of helix II and internal loops A and B in <i>Escherichia coli</i> 5 S RNA. Implications for 5 S RNA structure. <i>Journal of Molecular Biology</i> , <b>1989</b> , 206, 651-68	6.5	30
85	Domain VI of <i>Escherichia coli</i> 23 S ribosomal RNA. Structure, assembly and function. <i>Journal of Molecular Biology</i> , <b>1988</b> , 204, 507-22	6.5	55
84	Novel splicing mechanism for the ribosomal RNA intron in the archaeobacterium <i>Desulfurococcus mobilis</i> . <i>Cell</i> , <b>1988</b> , 54, 693-703	56.2	119
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