

# Antoine Danchin

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5434894/antoine-danchin-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

456  
papers

26,286  
citations

77  
h-index

146  
g-index

516  
ext. papers

28,968  
ext. citations

6.5  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
456	Computation of Antigenicity Predicts SARS-CoV-2 Vaccine Breakthrough Variants.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 861050	8.4	0
455	Temporal evolution of master regulator Crp identifies pyrimidines as catabolite modulator factors. <i>Nature Communications</i> , <b>2021</b> , 12, 5880	17.4	2
454	A Strong Seasonality Pattern for Covid-19 Incidence Rates Modulated by UV Radiation Levels. <i>Viruses</i> , <b>2021</b> , 13,	6.2	3
453	Immunity after COVID-19: Protection or sensitization?. <i>Mathematical Biosciences</i> , <b>2021</b> , 331, 108499	3.9	7
452	Three overlooked key functional classes for building up minimal synthetic cells.. <i>Synthetic Biology</i> , <b>2021</b> , 6, ysab010	3.3	0
451	Escherichia coli segments its controls on carbon-dependent gene expression into global and specific regulations. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 1084-1106	6.3	1
450	Queuine, a bacterial-derived hypermodified nucleobase, shows protection in in vitro models of neurodegeneration. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253216	3.7	1
449	SARS-CoV-2 variants: Relevance for symptom granularity, epidemiology, immunity (herd, vaccines), virus origin and containment?. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 2001-2006	5.2	12
448	Interpretable and accurate prediction models for metagenomics data. <i>GigaScience</i> , <b>2020</b> , 9,	7.6	16
447	Zinc, an unexpected integrator of metabolism?. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 895-898	6.3	4
446	One-carbon metabolism, folate, zinc and translation. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 899-925	6.3	7
445	Isobiology: A Variational Principle for Exploring Synthetic Life. <i>ChemBioChem</i> , <b>2020</b> , 21, 1781-1792	3.8	2
444	Phylogenomics of expanding uncultured environmental Tenericutes provides insights into their pathogenicity and evolutionary relationship with Bacilli. <i>BMC Genomics</i> , <b>2020</b> , 21, 408	4.5	19
443	The importance of naturally attenuated SARS-CoV-2 in the fight against COVID-19. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 1997-2000	5.2	35
442	A New Transmission Route for the Propagation of the SARS-CoV-2 Coronavirus. <i>Biology</i> , <b>2020</b> , 10,	4.9	6
441	From Minimal to Minimized Genomes: Functional Design of Microbial Cell Factories <b>2020</b> , 177-210		
440	A Path toward SARS-CoV-2 Attenuation: Metabolic Pressure on CTP Synthesis Rules the Virus Evolution. <i>Genome Biology and Evolution</i> , <b>2020</b> , 12, 2467-2485	3.9	9

439	Evaluating the probability of CRISPR-based gene drive contaminating another species. <i>Evolutionary Applications</i> , <b>2020</b> , 13, 1888-1905	4.8	9
438	Cytosine drives evolution of SARS-CoV-2. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 1977-1985	5.2	13
437	Why Nature Chose Potassium. <i>Journal of Molecular Evolution</i> , <b>2019</b> , 87, 271-288	3.1	18
436	Toward unrestricted use of public genomic data. <i>Science</i> , <b>2019</b> , 363, 350-352	33.3	25
435	Consent insufficient for data release-Response. <i>Science</i> , <b>2019</b> , 364, 446	33.3	4
434	Deciphering global gene expression and regulation strategy in Escherichia coli during carbon limitation. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 360-376	6.3	5
433	Omnipresent Maxwell's demons orchestrate information management in living cells. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 210-242	6.3	17
432	Mutations in the Global Transcription Factor CRP/CAP: Insights from Experimental Evolution and Deep Sequencing. <i>Computational and Structural Biotechnology Journal</i> , <b>2019</b> , 17, 730-736	6.8	8
431	Genomic Characterization of a Novel Gut Symbiont From the Hadal Snailfish. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2978	5.7	11
430	Hypothesis, analysis and synthesis, it's all Greek to me. <i>ELife</i> , <b>2019</b> , 8,	8.9	3
429	Conceptual sequel to biological expeditions at the time of global changes. <i>Environmental Microbiology Reports</i> , <b>2019</b> , 11, 38-40	3.7	
428	Revisiting the methionine salvage pathway and its paralogues. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 77-97	6.3	21
427	Unique tRNA gene profile suggests paucity of nucleotide modifications in anticodons of a deep-sea symbiotic Spiroplasma. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 2197-2203	20.1	4
426	Bacillus subtilis, the model Gram-positive bacterium: 20 years of annotation refinement. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 3-17	6.3	41
425	Functional Requirements in the Program and the Cell Chassis for Next-Generation Synthetic Biology <b>2018</b> , 81-106		1
424	The Enigmatic Genome of an Obligate Ancient Spiroplasma Symbiont in a Hadal Holothurian. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	19
423	Multiple Clocks in the Evolution of Living Organisms. <i>Grand Challenges in Biology and Biotechnology</i> , <b>2018</b> , 101-118	2.4	
422	No wisdom in the crowd: genome annotation in the era of big data - current status and future prospects. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 588-605	6.3	28

421	Coenzyme B12 synthesis as a baseline to study metabolite contribution of animal microbiota. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 688-701	6.3	20
420	Coping with inevitable accidents in metabolism. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 57-72	6.3	21
419	From chemical metabolism to life: the origin of the genetic coding process. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 1119-1135	2.5	12
418	The contribution of microbial biotechnology to economic growth and employment creation. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 1137-1144	6.3	21
417	Parallel evolution of non-homologous isofunctional enzymes in methionine biosynthesis. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 858-866	11.7	19
416	Unknown unknowns: essential genes in quest for function. <i>Microbial Biotechnology</i> , <b>2016</b> , 9, 530-40	6.3	56
415	Generation of mutation hotspots in ageing bacterial colonies. <i>Scientific Reports</i> , <b>2016</b> , 6, 2	4.9	155
414	The revisited genome of <i>Pseudomonas putida</i> KT2440 enlightens its value as a robust metabolic chassis. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 3403-3424	5.2	194
413	Genomic characterization of symbiotic mycoplasmas from the stomach of deep-sea isopod bathynomus sp. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2646-59	5.2	23
412	From function to structure take the archaeal TRAM. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2776-8	5.2	1
411	From dirt to industrial applications: <i>Pseudomonas putida</i> as a Synthetic Biology chassis for hosting harsh biochemical reactions. <i>Current Opinion in Chemical Biology</i> , <b>2016</b> , 34, 20-29	9.7	151
410	Reminder to deposit DNA sequences. <i>Science</i> , <b>2016</b> , 352, 780	33.3	18
409	Nature or manufacture: What should we fear most?. <i>Comptes Rendus - Biologies</i> , <b>2016</b> , 339, 329-35	1.4	0
408	The Cellular Chassis as the Basis for New Functionalities: Shortcomings and Requirements. <i>Risk Engineering</i> , <b>2015</b> , 155-172	1	0
407	The logic of metabolism. <i>Perspectives in Science</i> , <b>2015</b> , 6, 15-26	0.8	6
406	Confidence, tolerance, and allowance in biological engineering: the nuts and bolts of living things. <i>BioEssays</i> , <b>2015</b> , 37, 95-102	4.1	16
405	Chemical reactivity drives spatiotemporal organisation of bacterial metabolism. <i>FEMS Microbiology Reviews</i> , <b>2015</b> , 39, 96-119	15.1	49
404	Paralogous metabolism: S-alkyl-cysteine degradation in <i>Bacillus subtilis</i> . <i>Environmental Microbiology</i> , <b>2014</b> , 16, 101-17	5.2	24

403	The Emergence of the First Cells <b>2014</b> , 1-25		3
402	Genomic encyclopedia of bacteria and archaea: sequencing a myriad of type strains. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001920	9.7	146
401	The logic of metabolism and its fuzzy consequences. <i>Environmental Microbiology</i> , <b>2014</b> , 16, 19-28	5.2	18
400	From essential to persistent genes: a functional approach to constructing synthetic life. <i>Trends in Genetics</i> , <b>2013</b> , 29, 273-9	8.5	78
399	An updated metabolic view of the Bacillus subtilis 168 genome. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 757-770	2.9	59
398	Constraints in the Design of the Synthetic Bacterial Chassis. <i>Methods in Microbiology</i> , <b>2013</b> , 40, 39-67	2.8	3
397	Linking selenium biogeochemistry to the sulfur-dependent biological detoxification of arsenic. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 1612-23	5.2	19
396	3'-5' phosphoadenosine phosphate is an inhibitor of PARP-1 and a potential mediator of the lithium-dependent inhibition of PARP-1 in vivo. <i>Biochemical Journal</i> , <b>2012</b> , 443, 485-90	3.8	19
395	Distinct co-evolution patterns of genes associated to DNA polymerase III DnaE and PolC. <i>BMC Genomics</i> , <b>2012</b> , 13, 69	4.5	16
394	Biomaterials <b>2012</b> , 103-143		
393	Scaling up synthetic biology: Do not forget the chassis. <i>FEBS Letters</i> , <b>2012</b> , 586, 2129-37	3.8	57
392	Characterization of NrnA homologs from Mycobacterium tuberculosis and Mycoplasma pneumoniae. <i>Rna</i> , <b>2012</b> , 18, 155-65	5.8	34
391	Identification of a novel nanoRNase in Bartonella. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 886-895	2.9	29
390	Synthetic biology's flywheel. <i>EMBO Reports</i> , <b>2012</b> , 13, 92	6.5	
389	Open-source genomic analysis of Shiga-toxin-producing E. coli O104:H4. <i>New England Journal of Medicine</i> , <b>2011</b> , 365, 718-24	59.2	340
388	Antifragility and Tinkering in Biology (and in Business) Flexibility Provides an Efficient Epigenetic Way to Manage Risk. <i>Genes</i> , <b>2011</b> , 2, 998-1016	4.2	27
387	Life's demons: information and order in biology. What subcellular machines gather and process the information necessary to sustain life?. <i>EMBO Reports</i> , <b>2011</b> , 12, 495-9	6.5	32
386	Hydrothermally generated aromatic compounds are consumed by bacteria colonizing in Atlantis II Deep of the Red Sea. <i>ISME Journal</i> , <b>2011</b> , 5, 1652-9	11.9	30

385	The ten grand challenges of synthetic life. <i>Systems and Synthetic Biology</i> , <b>2011</b> , 5, 1-9		42
384	Les gènes du démon de Maxwell : est-il possible de construire une usine cellulaire?. <i>Comptes Rendus Chimie</i> , <b>2011</b> , 14, 413-419	2.7	0
383	Cytoplasmic and periplasmic proteomic signatures of exponentially growing cells of the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 1276-83	4.8	21
382	Life in the cold: a proteomic study of cold-repressed proteins in the antarctic bacterium <i>pseudoalteromonas haloplanktis</i> TAC125. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 3881-3	4.8	64
381	Bacterial niche-specific genome expansion is coupled with highly frequent gene disruptions in deep-sea sediments. <i>PLoS ONE</i> , <b>2011</b> , 6, e29149	3.7	10
380	Proteomics of life at low temperatures: trigger factor is the primary chaperone in the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Molecular Microbiology</i> , <b>2010</b> , 76, 120-32	4.1	81
379	A path from predation to mutualism. <i>Molecular Microbiology</i> , <b>2010</b> , 77, 1346-50	4.1	
378	Perfect time or perfect crime?. <i>EMBO Reports</i> , <b>2010</b> , 11, 74	6.5	1
377	Motivated research. <i>EMBO Reports</i> , <b>2010</b> , 11, 488	6.5	2
376	PssA is required for alpha-amylase secretion in Antarctic <i>Pseudoalteromonas haloplanktis</i> . <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 211-219	2.9	7
375	The Trw type IV secretion system of <i>Bartonella</i> mediates host-specific adhesion to erythrocytes. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000946	7.6	84
374	RcsB plays a central role in H-NS-dependent regulation of motility and acid stress resistance in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , <b>2010</b> , 161, 363-71	4	46
373	Decrypting the H-NS-dependent regulatory cascade of acid stress resistance in <i>Escherichia coli</i> . <i>BMC Microbiology</i> , <b>2010</b> , 10, 273	4.5	47
372	The Role of Information in Evolutionary Genomics of Bacteria <b>2010</b> , 81-94		1
371	Structural and functional similarities between a ribulose-1,5-bisphosphate carboxylase/oxygenase (RuBisCO)-like protein from <i>Bacillus subtilis</i> and photosynthetic RuBisCO. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 13256-64	5.4	22
370	From a consortium sequence to a unified sequence: the <i>Bacillus subtilis</i> 168 reference genome a decade later. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 1758-1775	2.9	257
369	Organised genome dynamics in the <i>Escherichia coli</i> species results in highly diverse adaptive paths. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000344	6	802
368	Degradation of nanoRNA is performed by multiple redundant RNases in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 5114-25	20.1	58

367	Use of a riboswitch-controlled conditional hypomorphic mutation to uncover a role for the essential csrA gene in bacterial autoaggregation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28738-45	5.4	22
366	Small noncoding RNA GcvB is a novel regulator of acid resistance in Escherichia coli. <i>BMC Genomics</i> , <b>2009</b> , 10, 165	4.5	55
365	Cells need safety valves. <i>BioEssays</i> , <b>2009</b> , 31, 769-73	4.1	28
364	Natural selection and immortality. <i>Biogerontology</i> , <b>2009</b> , 10, 503-16	4.5	28
363	Myopic selection of novel information drives evolution. <i>Current Opinion in Biotechnology</i> , <b>2009</b> , 20, 504-8	11.4	8
362	Information of the chassis and information of the program in synthetic cells. <i>Systems and Synthetic Biology</i> , <b>2009</b> , 3, 125-34		22
361	CymR, the master regulator of cysteine metabolism in Staphylococcus aureus, controls host sulphur source utilization and plays a role in biofilm formation. <i>Molecular Microbiology</i> , <b>2009</b> , 73, 194-211	4.1	58
360	Nature, artifice and emerging diseases. <i>EMBO Reports</i> , <b>2009</b> , 10, 418-9	6.5	1
359	Bacteria as computers making computers. <i>FEMS Microbiology Reviews</i> , <b>2009</b> , 33, 3-26	15.1	97
358	A challenge to vaccinology: living organisms trap information. <i>Vaccine</i> , <b>2009</b> , 27 Suppl 6, G13-6	4.1	
357	Repulsion and metabolic switches in the collective behavior of bacterial colonies. <i>Biophysical Journal</i> , <b>2009</b> , 97, 688-98	2.9	11
356	A phylogenetic view of bacterial ribonucleases. <i>Progress in Molecular Biology and Translational Science</i> , <b>2009</b> , 85, 1-41	4	28
355	Synthetic biology: discovering new worlds and new words. <i>EMBO Reports</i> , <b>2008</b> , 9, 822-7	6.5	126
354	Regulatory role of UvrY in adaptation of Photobacterium luminescens growth inside the insect. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1118-34	5.2	24
353	Genomics of an extreme psychrophile, Psychromonas ingrahamii. <i>BMC Genomics</i> , <b>2008</b> , 9, 210	4.5	101
352	Persistence drives gene clustering in bacterial genomes. <i>BMC Genomics</i> , <b>2008</b> , 9, 4	4.5	79
351	Spx mediates oxidative stress regulation of the methionine sulfoxide reductases operon in Bacillus subtilis. <i>BMC Microbiology</i> , <b>2008</b> , 8, 128	4.5	33
350	S-box and T-box riboswitches and antisense RNA control a sulfur metabolic operon of Clostridium acetobutylicum. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 5955-69	20.1	110

349	The CymR regulator in complex with the enzyme CysK controls cysteine metabolism in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 35551-60	5.4	67
348	A variable gene in a conserved region of the <i>Helicobacter pylori</i> genome: isotopic gene replacement or rapid evolution?. <i>DNA Research</i> , <b>2008</b> , 15, 163-8	4.5	3
347	Cinnamic acid, an autoinducer of its own biosynthesis, is processed via Hca enzymes in <i>Photobacterium luminescens</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1717-25	4.8	24
346	RuBisCO-like proteins as the enolase enzyme in the methionine salvage pathway: functional and evolutionary relationships between RuBisCO-like proteins and photosynthetic RuBisCO. <i>Journal of Experimental Botany</i> , <b>2008</b> , 59, 1543-54	7	39
345	Evolutionary Potential of Rubisco-Like Protein in <i>Bacillus subtilis</i> : Interaction with Transition-State Analog of Rubisco <b>2008</b> , 875-879		
344	Annotating bacterial genomes <b>2008</b> , 165-190		1
343	The extant core bacterial proteome is an archive of the origin of life. <i>Proteomics</i> , <b>2007</b> , 7, 875-89	4.8	44
342	The HcaR regulatory protein of <i>Photobacterium luminescens</i> affects the production of proteins involved in oxidative stress and toxemia. <i>Proteomics</i> , <b>2007</b> , 7, 4499-510	4.8	16
341	Hon-yaku: a biology-driven Bayesian methodology for identifying translation initiation sites in prokaryotes. <i>BMC Bioinformatics</i> , <b>2007</b> , 8, 47	3.6	18
340	Conversion of methionine to cysteine in <i>Bacillus subtilis</i> and its regulation. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 187-97	3.5	73
339	A tale of two oxidation states: bacterial colonization of arsenic-rich environments. <i>PLoS Genetics</i> , <b>2007</b> , 3, e53	6	148
338	YtqI from <i>Bacillus subtilis</i> has both oligoribonuclease and pAp-phosphatase activity. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 4552-61	20.1	76
337	Potent and selective inhibitors of <i>Staphylococcus epidermidis</i> tryptophanyl-tRNA synthetase. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2007</b> , 60, 502-9	5.1	19
336	Visualizing the proteome of <i>Escherichia coli</i> : an efficient and versatile method for labeling chromosomal coding DNA sequences (CDSs) with fluorescent protein genes. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, e37	20.1	10
335	Archives or Palimpsests? Bacterial Genomes Unveil a Scenario for the Origin of Life. <i>Biological Theory</i> , <b>2007</b> , 2, 52-61	1.7	14
334	A parasite vector-host epidemic model for TSE propagation. <i>Medical Science Monitor</i> , <b>2007</b> , 13, BR59-66	3.2	1
333	Conserved genes in a path from commensalism to pathogenicity: comparative phylogenetic profiles of <i>Staphylococcus epidermidis</i> RP62A and ATCC12228. <i>BMC Genomics</i> , <b>2006</b> , 7, 112	4.5	25
332	Structure-based discovery of inhibitors of the YycG histidine kinase: new chemical leads to combat <i>Staphylococcus epidermidis</i> infections. <i>BMC Microbiology</i> , <b>2006</b> , 6, 96	4.5	83



331	Persistent biases in the amino acid composition of prokaryotic proteins. <i>BioEssays</i> , <b>2006</b> , 28, 726-38	4.1	21
330	Re: request from the International Advisory Committee to DDBJ/EMBL/GenBank. <i>Journal of Medical Virology</i> , <b>2006</b> , 78, 995	19.7	
329	Oligoribonuclease is a common downstream target of lithium-induced pAp accumulation in <i>Escherichia coli</i> and human cells. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 2364-73	20.1	52
328	Pleiotropic role of quorum-sensing autoinducer 2 in <i>Photobacterium luminescens</i> . <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 6439-51	4.8	53
327	Codon usage domains over bacterial chromosomes. <i>PLoS Computational Biology</i> , <b>2006</b> , 2, e37	5	36
326	Global control of cysteine metabolism by CymR in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2184-97	3.5	84
325	Identification of genes and proteins involved in the pleiotropic response to arsenic stress in <i>Caenibacter arsenoxydans</i> , a metalloresistant beta-proteobacterium with an unsequenced genome. <i>Biochimie</i> , <b>2006</b> , 88, 595-606	4.6	37
324	Proteome analysis of the phenotypic variation process in <i>Photobacterium luminescens</i> . <i>Proteomics</i> , <b>2006</b> , 6, 2705-25	4.8	28
323	Beneficial biological warfare. <i>EMBO Reports</i> , <b>2006</b> , 7, 767-767	6.5	78
322	Proteomic identification of a two-component regulatory system in <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Extremophiles</i> , <b>2006</b> , 10, 483-91	3	19
321	The PatB protein of <i>Bacillus subtilis</i> is a C-S-lyase. <i>Biochimie</i> , <b>2005</b> , 87, 231-8	4.6	44
320	3-phenylpropionate catabolism and the <i>Escherichia coli</i> oxidative stress response. <i>Research in Microbiology</i> , <b>2005</b> , 156, 312-21	4	20
319	Was photosynthetic RuBisCO recruited by acquisitive evolution from RuBisCO-like proteins involved in sulfur metabolism?. <i>Research in Microbiology</i> , <b>2005</b> , 156, 611-8	4	74
318	Conserved transcription factor binding sites of cancer markers derived from primary lung adenocarcinoma microarrays. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 409-21	20.1	25
317	Molecular diagnosis of human cancer type by gene expression profiles and independent component analysis. <i>European Journal of Human Genetics</i> , <b>2005</b> , 13, 1303-11	5.3	48
316	Genomes are covered with ubiquitous 11 bp periodic patterns, the "class A flexible patterns". <i>BMC Bioinformatics</i> , <b>2005</b> , 6, 206	3.6	9
315	Specialized microbial databases for inductive exploration of microbial genome sequences. <i>BMC Genomics</i> , <b>2005</b> , 6, 14	4.5	9
314	The two authentic methionine aminopeptidase genes are differentially expressed in <i>Bacillus subtilis</i> . <i>BMC Microbiology</i> , <b>2005</b> , 5, 57	4.5	24

313	Testing the hypothesis of a recombinant origin of the SARS-associated coronavirus. <i>Archives of Virology</i> , <b>2005</b> , 150, 1-20	2.6	45
312	Universal biases in protein composition of model prokaryotes. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 60, 27-35	4.2	27
311	Regulation of the Bacillus subtilis ytml operon, involved in sulfur metabolism. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 6019-30	3.5	24
310	Conserved transcription factor binding sites of cancer markers derived from primary lung adenocarcinoma microarrays. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 2764-2764	20.1	78
309	Coping with cold: the genome of the versatile marine Antarctica bacterium Pseudoalteromonas haloplanktis TAC125. <i>Genome Research</i> , <b>2005</b> , 15, 1325-35	9.7	309
308	Cross-host evolution of severe acute respiratory syndrome coronavirus in palm civet and human. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2430-5	11.5	508
307	How essential are nonessential genes?. <i>Molecular Biology and Evolution</i> , <b>2005</b> , 22, 2147-56	8.3	120
306	Genome Diversity: A Grammar of Microbial Genomes. <i>Complexus</i> , <b>2004</b> , 2, 61-70		2
305	GadE (YhiE): a novel activator involved in the response to acid environment in Escherichia coli. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 61-72	2.9	141
304	AstR-AstS, a new two-component signal transduction system, mediates swarming, adaptation to stationary phase and phenotypic variation in Photobacterium luminescens. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 897-910	2.9	25
303	Three different systems participate in L-cystine uptake in Bacillus subtilis. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 4875-84	3.5	78
302	The PhoP-PhoQ two-component regulatory system of Photobacterium luminescens is essential for virulence in insects. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 1270-9	3.5	89
301	An analysis of determinants of amino acids substitution rates in bacterial proteins. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 108-16	8.3	204
300	Bacterial variations on the methionine salvage pathway. <i>BMC Microbiology</i> , <b>2004</b> , 4, 9	4.5	126
299	Classification between normal and tumor tissues based on the pair-wise gene expression ratio. <i>BMC Cancer</i> , <b>2004</b> , 4, 72	4.8	20
298	Cytosine methylation is not the major factor inducing CpG dinucleotide deficiency in bacterial genomes. <i>Journal of Molecular Evolution</i> , <b>2004</b> , 58, 692-700	3.1	10
297	The bag or the spindle: the cell factory at the time of systems' biology. <i>Microbial Cell Factories</i> , <b>2004</b> , 3, 13	6.4	7
296	The metNPQ operon of Bacillus subtilis encodes an ABC permease transporting methionine sulfoxide, D- and L-methionine. <i>Research in Microbiology</i> , <b>2004</b> , 155, 80-6	4	38

295	Genome structures, operating systems and the image of the machine <b>2004</b> , 195-208		1
294	Gene essentiality determines chromosome organisation in bacteria. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 6570-7	20.1	122
293	Exploring the <i>Penicillium marneffeii</i> genome. <i>Archives of Microbiology</i> , <b>2003</b> , 179, 339-53	3	42
292	Relationship of SARS-CoV to other pathogenic RNA viruses explored by tetranucleotide usage profiling. <i>BMC Bioinformatics</i> , <b>2003</b> , 4, 43	3.6	16
291	Genome-based analysis of virulence genes in a non-biofilm-forming <i>Staphylococcus epidermidis</i> strain (ATCC 12228). <i>Molecular Microbiology</i> , <b>2003</b> , 49, 1577-93	4.1	323
290	UMP kinase from the Gram-positive bacterium <i>Bacillus subtilis</i> is strongly dependent on GTP for optimal activity. <i>FEBS Journal</i> , <b>2003</b> , 270, 3196-204		22
289	A double epidemic model for the SARS propagation. <i>BMC Infectious Diseases</i> , <b>2003</b> , 3, 19	4	68
288	A strand-specific model for chromosome segregation in bacteria. <i>Molecular Microbiology</i> , <b>2003</b> , 49, 895-903		36
287	The DNA secondary structure of the <i>Bacillus subtilis</i> genome. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 218, 23-30		4
286	Unique physiological and pathogenic features of <i>Leptospira interrogans</i> revealed by whole-genome sequencing. <i>Nature</i> , <b>2003</b> , 422, 888-93	50.4	446
285	Infection of society. As diseases have evolved to exploit the holes in our defences, including weaknesses in society, we have to reconsider our way of life, otherwise they will continue to haunt us. <i>EMBO Reports</i> , <b>2003</b> , 4, 333-5	6.5	1
284	The genome sequence of the entomopathogenic bacterium <i>Photorhabdus luminescens</i> . <i>Nature Biotechnology</i> , <b>2003</b> , 21, 1307-13	44.5	485
283	Essentiality, not expressiveness, drives gene-strand bias in bacteria. <i>Nature Genetics</i> , <b>2003</b> , 34, 377-8	36.3	167
282	Essential <i>Bacillus subtilis</i> genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 4678-83	11.5	1115
281	A Novel H-NS-like protein from an antarctic psychrophilic bacterium reveals a crucial role for the N-terminal domain in thermal stability. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 18754-60	5.4	17
280	MvaT proteins in <i>Pseudomonas</i> spp.: a novel class of H-NS-like proteins. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 3047-3050	2.9	67
279	<i>Escherichia coli</i> response to exogenous pyrophosphate and analogs. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2003</b> , 5, 37-45	0.9	2
278	Transcription regulation coupling of the divergent <i>argG</i> and <i>metY</i> promoters in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 3139-46	3.5	22

277	Genomes and evolution. <i>Current Issues in Molecular Biology</i> , <b>2003</b> , 5, 37-42	2.9	6
276	Re-annotation of genome microbial coding-sequences: finding new genes and inaccurately annotated genes. <i>BMC Bioinformatics</i> , <b>2002</b> , 3, 5	3.6	32
275	The mechanisms responsible for 2-dimensional pattern formation in bacterial macrofiber populations grown on solid surfaces: fiber joining and the creation of exclusion zones. <i>BMC Microbiology</i> , <b>2002</b> , 2, 1	4.5	33
274	The methionine salvage pathway in <i>Bacillus subtilis</i> . <i>BMC Microbiology</i> , <b>2002</b> , 2, 8	4.5	81
273	Base composition bias might result from competition for metabolic resources. <i>Trends in Genetics</i> , <b>2002</b> , 18, 291-4	8.5	354
272	Effect of mild acid pH on the functioning of bacterial membranes in <i>Vibrio cholerae</i> . <i>Proteomics</i> , <b>2002</b> , 2, 571-9	4.8	27
271	Not every truth is good. The dangers of publishing knowledge about potential bioweapons. <i>EMBO Reports</i> , <b>2002</b> , 3, 102-4	6.5	3
270	SubtiList: the reference database for the <i>Bacillus subtilis</i> genome. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 62-5	20.1	94
269	Global expression profile of <i>Bacillus subtilis</i> grown in the presence of sulfate or methionine. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 5179-86	3.5	46
268	The <i>secE</i> gene of <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 2837-40	3.5	8
267	Identification, characterization, and regulation of a cluster of genes involved in carbapenem biosynthesis in <i>Photobacterium luminescens</i> . <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 3780-9	4.8	100
266	Identification of <i>Bacillus subtilis</i> CysL, a regulator of the <i>cysJI</i> operon, which encodes sulfite reductase. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 4681-9	3.5	45
265	Nucleotide sequence database policies. <i>Science</i> , <b>2002</b> , 298, 1333	33.3	48
264	Genomes et Évolution. <i>Annales De L'Institut Pasteur / Actualités</i> , <b>2002</b> , 11, 9-18		
263	Just so genome stories: what does my neighbor tell me?. <i>International Congress Series</i> , <b>2002</b> , 1246, 3-13		6
262	Bacterial Genomics in the Study of Virulence <b>2002</b> , 341-353		
261	Genomic changes in nucleotide and dinucleotide frequencies in <i>Pasteurella multocida</i> cultured under high temperature. <i>Genetics</i> , <b>2002</b> , 161, 1385-94	4	25
260	The <i>metIC</i> operon involved in methionine biosynthesis in <i>Bacillus subtilis</i> is controlled by transcription antitermination. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 507-518	2.9	42

259	Regulation of bacterial motility in response to low pH in Escherichia coli: the role of H-NS protein. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 1543-1551	2.9	54
258	The regulation of Enzyme IIA(Glc) expression controls adenylate cyclase activity in Escherichia coli. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 1553-1559	2.9	20
257	Evolutionary role of restriction/modification systems as revealed by comparative genome analysis. <i>Genome Research</i> , <b>2001</b> , 11, 946-58	9.7	89
256	Ongoing evolution of strand composition in bacterial genomes. <i>Molecular Biology and Evolution</i> , <b>2001</b> , 18, 1789-99	8.3	55
255	Large-scale monitoring of pleiotropic regulation of gene expression by the prokaryotic nucleoid-associated protein, H-NS. <i>Molecular Microbiology</i> , <b>2001</b> , 40, 20-36	4.1	346
254	On our tiniest foes. <i>EMBO Reports</i> , <b>2001</b> , 2, 468-469	6.5	78
253	Description and application of a rapid method for genomic DNA direct sequencing. <i>FEMS Microbiology Letters</i> , <b>2001</b> , 199, 229-33	2.9	11
252	The viral transmembrane superfamily: possible divergence of Arenavirus and Filovirus glycoproteins from a common RNA virus ancestor. <i>BMC Microbiology</i> , <b>2001</b> , 1, 1	4.5	105
251	MtnK, methylthioribose kinase, is a starvation-induced protein in Bacillus subtilis. <i>BMC Microbiology</i> , <b>2001</b> , 1, 15	4.5	23
250	Control of bacterial motility by environmental factors in polarly flagellated and peritrichous bacteria isolated from Lake Baikal. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 3852-9	4.8	37
249	Bacillus Subtilis <b>2001</b> , 135-144		4
248	Extracting biological information from DNA arrays: an unexpected link between arginine and methionine metabolism in Bacillus subtilis. <i>Genome Biology</i> , <b>2001</b> , 2, RESEARCH0019	18.3	50
247	CotA of Bacillus subtilis is a copper-dependent laccase. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 5426-30	3.5	300
246	H-NS and H-NS-like proteins in Gram-negative bacteria and their multiple role in the regulation of bacterial metabolism. <i>Biochimie</i> , <b>2001</b> , 83, 235-41	4.6	49
245	Sulfur-limitation-regulated proteins in Bacillus subtilis: a two-dimensional gel electrophoresis study. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 1631-1640	2.9	31
244	Evolutionary Role of Restriction/Modification Systems as Revealed by Comparative Genome Analysis. <i>Genome Research</i> , <b>2001</b> , 11, 946-958	9.7	9
243	Regulation of the early steps of 3-phenylpropionate catabolism in Escherichia coli. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2001</b> , 3, 127-33	0.9	17
242	S-adenosylmethionine decarboxylase of Bacillus subtilis is closely related to archaeobacterial counterparts. <i>Molecular Microbiology</i> , <b>2000</b> , 36, 1135-47	4.1	35

241	The DB case: pattern matching evidence is not significant. <i>Molecular Microbiology</i> , <b>2000</b> , 37, 216-8	4.1	5
240	A SeqA hyperstructure and its interactions direct the replication and sequestration of DNA. <i>Molecular Microbiology</i> , <b>2000</b> , 37, 696-702	4.1	29
239	A brief history of genome research and bioinformatics in France. <i>Bioinformatics</i> , <b>2000</b> , 16, 65-75	7.2	1
238	Isolation and characterization of vicH, encoding a new pleiotropic regulator in <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 2026-32	3.5	35
237	Sulphur islands in the <i>Escherichia coli</i> genome: markers of the cell's architecture?. <i>FEBS Letters</i> , <b>2000</b> , 476, 8-11	3.8	24
236	Mapping the bacterial cell architecture into the chromosome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 355, 179-90	5.8	34
235	Expression profiling in reference bacteria: dreams and reality. <i>Genome Biology</i> , <b>2000</b> , 1, REVIEWS1024	18.3	5
234	The natural war. <i>EMBO Reports</i> , <b>2000</b> , 1, 216-216	6.5	78
233	Implication of gene distribution in the bacterial chromosome for the bacterial cell factory. <i>Journal of Biotechnology</i> , <b>2000</b> , 78, 209-19	3.7	31
232	Phylogeny of related functions: the case of polyamine biosynthetic enzymes. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 8), 1815-1828	2.9	50
231	Sulfur metabolism in <i>Escherichia coli</i> and related bacteria: facts and fiction. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2000</b> , 2, 145-77	0.9	117
230	Cloning and assembly strategies in microbial genome projects. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 10), 2625-34	2.9	48
229	Imagene: an integrated computer environment for sequence annotation and analysis. <i>Bioinformatics</i> , <b>1999</b> , 15, 2-15	7.2	48
228	Identification of yrrU as the methylthioadenosine nucleosidase gene in <i>Bacillus subtilis</i> . <i>DNA Research</i> , <b>1999</b> , 6, 255-64	4.5	26
227	Detecting and analyzing DNA sequencing errors: toward a higher quality of the <i>Bacillus subtilis</i> genome sequence. <i>Genome Research</i> , <b>1999</b> , 9, 1116-27	9.7	32
226	Translation in <i>Bacillus subtilis</i> : roles and trends of initiation and termination, insights from a genome analysis. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 3567-76	20.1	85
225	From function to sequence, an integrated view of the genome texts. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1999</b> , 273, 92-98	3.3	3
224	The structural and functional organization of H-NS-like proteins is evolutionarily conserved in gram-negative bacteria. <i>Molecular Microbiology</i> , <b>1999</b> , 31, 319-29	4.1	90

223	Mta, a global MerR-type regulator of the <i>Bacillus subtilis</i> multidrug-efflux transporters. <i>Molecular Microbiology</i> , <b>1999</b> , 31, 1549-59	4.1	55
222	Universal replication biases in bacteria. <i>Molecular Microbiology</i> , <b>1999</b> , 32, 11-6	4.1	149
221	From protein sequence to function. <i>Current Opinion in Structural Biology</i> , <b>1999</b> , 9, 363-7	8.1	32
220	Effects of site-directed mutagenesis of protolytic residues in subunit I of <i>Bacillus subtilis</i> aa3-600 quinol oxidase. Role of lysine 304 in proton translocation. <i>Biochemistry</i> , <b>1999</b> , 38, 2287-94	3.2	6
219	Bacterial DNA strand compositional asymmetry: response. <i>Trends in Microbiology</i> , <b>1999</b> , 7, 308	12.4	2
218	Codon usage and lateral gene transfer in <i>Bacillus subtilis</i> . <i>Current Opinion in Microbiology</i> , <b>1999</b> , 2, 524-87.9		89
217	Functional and evolutionary roles of long repeats in prokaryotes. <i>Research in Microbiology</i> , <b>1999</b> , 150, 725-33	4	45
216	Pyrophosphate increases the efficiency of enterobactin-dependent iron uptake in <i>Escherichia coli</i> . <i>Biochimie</i> , <b>1999</b> , 81, 245-53	4.6	13
215	Analysis of long repeats in bacterial genomes reveals alternative evolutionary mechanisms in <i>Bacillus subtilis</i> and other competent prokaryotes. <i>Molecular Biology and Evolution</i> , <b>1999</b> , 16, 1219-30	8.3	62
214	Catabolite regulation of the <i>pta</i> gene as part of carbon flow pathways in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 6889-97	3.5	99
213	Multiple control of flagellum biosynthesis in <i>Escherichia coli</i> : role of H-NS protein and the cyclic AMP-catabolite activator protein complex in transcription of the <i>flhDC</i> master operon. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 7500-8	3.5	222
212	Immunochemical analysis of UMP kinase from <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 833-40.5		17
211	Indigo: a World-Wide-Web review of genomes and gene functions. <i>FEMS Microbiology Reviews</i> , <b>1998</b> , 22, 207-27	15.1	35
210	Indigo: a World-Wide-Web review of genomes and gene functions. <i>FEMS Microbiology Reviews</i> , <b>1998</b> , 22, 207-227	15.1	19
209	Global analysis of genomic texts: the distribution of AGCT tetranucleotides in the <i>Escherichia coli</i> and <i>Bacillus subtilis</i> genomes predicts translational frameshifting and ribosomal hopping in several genes. <i>Electrophoresis</i> , <b>1998</b> , 19, 515-27	3.6	14
208	On proteins of the microsporidian invasive apparatus: complete sequence of a polar tube protein of <i>Encephalitozoon cuniculi</i> . <i>Molecular Microbiology</i> , <b>1998</b> , 29, 825-34	4.1	57
207	Characterization of polyamine synthesis pathway in <i>Bacillus subtilis</i> 168. <i>Molecular Microbiology</i> , <b>1998</b> , 29, 851-8	4.1	58
206	Oligonucleotide bias in <i>Bacillus subtilis</i> : general trends and taxonomic comparisons. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 2971-80	20.1	71

205	Aeromonas hydrophila adenylyl cyclase 2: a new class of adenylyl cyclases with thermophilic properties and sequence similarities to proteins from hyperthermophilic archaeobacteria. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 3339-44	3.5	62
204	Mutational analysis of UMP kinase from Escherichia coli. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 473-7	3.5	30
203	Organization of the European Bacillus subtilis Genome Sequencing Project <b>1998</b> , 457-467		
202	Integrated Genome Informatics <b>1998</b> , 567-582		
201	The Bacillus subtilis genome from gerBC (311 degrees) to licR (334 degrees). <i>Microbiology (United Kingdom)</i> , <b>1997</b> , 143 ( Pt 10), 3313-3328	2.9	27
200	Comparison between the Escherichia coli and Bacillus subtilis genomes suggests that a major function of polynucleotide phosphorylase is to synthesize CDP. <i>DNA Research</i> , <b>1997</b> , 4, 9-18	4.5	32
199	Using codon usage to predict genes origin: is the Escherichia coli outer membrane a patchwork of products from different genomes?. <i>DNA Research</i> , <b>1997</b> , 4, 257-65	4.5	16
198	The map of the cell is in the chromosome. <i>Current Opinion in Genetics and Development</i> , <b>1997</b> , 7, 852-4	4.9	16
197	Bifunctional structure of two adenylyl cyclases from the myxobacterium Stigmatella aurantiaca. <i>Biochimie</i> , <b>1997</b> , 79, 757-67	4.6	22
196	Mapping of repetitive and non-repetitive DNA probes to chromosomes of the microsporidian Encephalitozoon cuniculi. <i>Gene</i> , <b>1997</b> , 191, 39-45	3.8	22
195	The complete genome sequence of the gram-positive bacterium Bacillus subtilis. <i>Nature</i> , <b>1997</b> , 390, 249-504	5.4	3107
194	Role of Escherichia coli histone-like nucleoid-structuring protein in bacterial metabolism and stress response—identification of targets by two-dimensional electrophoresis. <i>FEBS Journal</i> , <b>1997</b> , 244, 767-73		58
193	In vivo positive effects of exogenous pyrophosphate on Escherichia coli cell growth and stationary phase survival. <i>Research in Microbiology</i> , <b>1996</b> , 147, 597-608	4	8
192	Comparative analysis of the cya locus in enterobacteria and related gram-negative facultative anaerobes. <i>Biochimie</i> , <b>1996</b> , 78, 277-87	4.6	14
191	By way of introduction: some constraints of the cell physics that are usually forgotten, but should be taken into account for in silico genome analysis. <i>Biochimie</i> , <b>1996</b> , 78, 299-301	4.6	3
190	Uneven distribution of GATC motifs in the Escherichia coli chromosome, its plasmids and its phages. <i>Journal of Molecular Biology</i> , <b>1996</b> , 257, 574-85	6.5	55
189	Two-component regulatory proteins ResD-ResE are required for transcriptional activation of fnr upon oxygen limitation in Bacillus subtilis. <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 3796-802	3.5	104
188	Conformational transitions within the calmodulin-binding site of Bordetella pertussis adenylate cyclase studied by time-resolved fluorescence of Trp242 and circular dichroism. <i>FEBS Journal</i> , <b>1996</b> , 237, 619-28		13



187	mRNA turnover and DNA synthesis: a lesson from bacterial genome comparisons. <i>Molecular Microbiology</i> , <b>1996</b> , 20, 895-7	4.1	6
186	Regulation of Escherichia coli adenylate cyclase activity during hexose phosphate transport. <i>Microbiology (United Kingdom)</i> , <b>1996</b> , 142 ( Pt 3), 575-583	2.9	14
185	CMP kinase from Escherichia coli is structurally related to other nucleoside monophosphate kinases. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 2856-62	5.4	52
184	The European Bacillus subtilis genome sequencing project: current status and accessibility of the data from a new World Wide Web site. <i>Microbiology (United Kingdom)</i> , <b>1996</b> , 142 ( Pt 11), 2987-91	2.9	19
183	Why sequence genomes? The Escherichia coli imbroglio. <i>Molecular Microbiology</i> , <b>1995</b> , 18, 371-6	4.1	11
182	Cloning of the second adenylate cyclase gene (cya2) from Rhizobium meliloti F34: sequence similarity to eukaryotic cyclases. <i>FEMS Microbiology Letters</i> , <b>1995</b> , 128, 177-84	2.9	11
181	Escherichia coli UMP-kinase, a member of the aspartokinase family, is a hexamer regulated by guanine nucleotides and UTP. <i>Biochemistry</i> , <b>1995</b> , 34, 5066-74	3.2	75
180	Anaerobic transcription activation in Bacillus subtilis: identification of distinct FNR-dependent and -independent regulatory mechanisms.. <i>EMBO Journal</i> , <b>1995</b> , 14, 5984-5994	13	81
179	SubtiList: a relational database for the Bacillus subtilis genome. <i>Microbiology (United Kingdom)</i> , <b>1995</b> , 141 ( Pt 2), 261-8	2.9	168
178	Detection of new genes in a bacterial genome using Markov models for three gene classes. <i>Nucleic Acids Research</i> , <b>1995</b> , 23, 3554-62	20.1	123
177	The Escherichia coli DNA-binding protein H-NS is one of the first proteins to be synthesized after a nutritional upshift. <i>Research in Microbiology</i> , <b>1995</b> , 146, 5-16	4	15
176	Cloning and sequence of the Bordetella bronchiseptica adenylate cyclase-hemolysin-encoding gene: comparison with the Bordetella pertussis gene. <i>Gene</i> , <b>1995</b> , 162, 165-6	3.8	20
175	Analysis of a Bacillus subtilis genome fragment using a co-operative computer system prototype. <i>Gene</i> , <b>1995</b> , 165, GC37-51	3.8	15
174	Functional analysis of subunits III and IV of Bacillus subtilis aa3-600 quinol oxidase by in vitro mutagenesis and gene replacement. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1995</b> , 1232, 67-74	4.6	19
173	Identification and isolation of a gene required for nitrate assimilation and anaerobic growth of Bacillus subtilis. <i>Journal of Bacteriology</i> , <b>1995</b> , 177, 1112-5	3.5	50
172	Anaerobic transcription activation in Bacillus subtilis: identification of distinct FNR-dependent and -independent regulatory mechanisms. <i>EMBO Journal</i> , <b>1995</b> , 14, 5984-94	13	49
171	Organization of the European Bacillus subtilis genome sequencing project. <i>Microbiology (United Kingdom)</i> , <b>1995</b> , 141 ( Pt 2), 249-55	2.9	28
170	The catalytic domain of Escherichia coli K-12 adenylate cyclase as revealed by deletion analysis of the cya gene. <i>Molecular Genetics and Genomics</i> , <b>1994</b> , 243, 409-16		20

169	The H-NS protein modulates the activation of the <i>ilvIH</i> operon of <i>Escherichia coli</i> K12 by Lrp, the leucine regulatory protein. <i>Molecular Genetics and Genomics</i> , <b>1994</b> , 242, 736-43		29
168	The role of H-NS in one carbon metabolism. <i>Biochimie</i> , <b>1994</b> , 76, 1063-70	4.6	7
167	Adenylyl cyclases: a heterogeneous class of ATP-utilizing enzymes. <i>Progress in Molecular Biology and Translational Science</i> , <b>1994</b> , 49, 241-83		48
166	The H-NS protein is involved in the biogenesis of flagella in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>1994</b> , 176, 5537-40	3.5	160
165	<i>Bacillus subtilis</i> F0F1 ATPase: DNA sequence of the <i>atp</i> operon and characterization of <i>atp</i> mutants. <i>Journal of Bacteriology</i> , <b>1994</b> , 176, 6802-11	3.5	105
164	METALGEN.DB: metabolism linked to the genome of <i>Escherichia coli</i> , a graphics-oriented database. <i>Bioinformatics</i> , <b>1993</b> , 9, 315-24	7.2	2
163	<i>Bacillus subtilis</i> genome project: cloning and sequencing of the 97 kb region from 325° to 333deg. <i>Molecular Microbiology</i> , <b>1993</b> , 10, 371-384	4.1	143
162	The adenylate cyclase catalytic domain of <i>Streptomyces coelicolor</i> is carboxy-terminal. <i>FEMS Microbiology Letters</i> , <b>1993</b> , 114, 145-51	2.9	14
161	Structural flexibility of the calmodulin-binding locus in <i>Bordetella pertussis</i> adenylate cyclase. Reconstitution of catalytically active species from fragments or inactive forms of the enzyme. <i>FEBS Journal</i> , <b>1993</b> , 217, 581-6		5
160	Structural and physico-chemical characteristics of <i>Bordetella pertussis</i> adenylate kinase, a tryptophan-containing enzyme. <i>FEBS Journal</i> , <b>1993</b> , 218, 921-7		4
159	Phylogeny of adenylyl cyclases. <i>Advances in Second Messenger and Phosphoprotein Research</i> , <b>1993</b> , 27, 109-62		31
158	Cooperative phenomena in binding and activation of <i>Bordetella pertussis</i> adenylate cyclase by calmodulin. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 1690-4	5.4	15
157	Colibri: a functional data base for the <i>Escherichia coli</i> genome.. <i>Microbiological Reviews</i> , <b>1993</b> , 57, 623-654		34
156	Colibri: a functional data base for the <i>Escherichia coli</i> genome. <i>Microbiological Reviews</i> , <b>1993</b> , 57, 623-54		69
155	Cooperative phenomena in binding and activation of <i>Bordetella pertussis</i> adenylate cyclase by calmodulin.. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 1690-1694	5.4	15
154	Mutational analysis of the enzyme III <sub>Glc</sub> of the phosphoenolpyruvate phosphotransferase system in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , <b>1992</b> , 143, 251-61	4	11
153	From adenylate cyclase to guanylate cyclase. Mutational analysis of a change in substrate specificity. <i>Journal of Molecular Biology</i> , <b>1992</b> , 225, 933-8	6.5	19
152	Positive regulation of the expression of the <i>Escherichia coli</i> <i>pts</i> operon. Identification of the regulatory regions. <i>Journal of Molecular Biology</i> , <b>1992</b> , 226, 623-35	6.5	38

151	Mutations in bglY, the structural gene for the DNA-binding protein H1 of Escherichia coli, increase the expression of the kanamycin resistance gene carried by plasmid pGR71. <i>Molecular Genetics and Genomics</i> , <b>1992</b> , 233, 184-92		7
150	Molecular cloning, sequencing, and physiological characterization of the qox operon from Bacillus subtilis encoding the aa3-600 quinol oxidase. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 10225-31	5-4	78
149	The role of histidine 63 in the catalytic mechanism of Bordetella pertussis adenylate cyclase. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 9816-20	5-4	23
148	Molecular cloning, sequencing, and physiological characterization of the qox operon from Bacillus subtilis encoding the aa3-600 quinol oxidase.. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 10225-10231	5-4	91
147	The role of histidine 63 in the catalytic mechanism of Bordetella pertussis adenylate cyclase.. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 9816-9820	5-4	25
146	Are Purine Nucleoside Triphosphate Cyclases an Example of Convergent Evolution? <b>1992</b> , 365-377		
145	Structural and Functional Organization of the Catalytic Domain of a Bacterial Toxin: bordetella Pertussis Adenylate Cyclase <b>1992</b> , 335-344		
144	A pyruvate-stimulated adenylate cyclase has a sequence related to the fes/fps oncogenes and to eukaryotic cyclases. <i>Molecular Microbiology</i> , <b>1991</b> , 5, 1175-81	4-1	19
143	Escherichia coli molecular genetic map (1500 kbp): update II. <i>Molecular Microbiology</i> , <b>1991</b> , 5, 2629-40	4-1	45
142	Isolation and characterization of catalytic and calmodulin-binding domains of Bordetella pertussis adenylate cyclase. <i>FEBS Journal</i> , <b>1991</b> , 196, 469-74		60
141	Identification of two fructose transport and phosphorylation pathways in Xanthomonas campestris pv. campestris. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 227, 465-72		7
140	A gene encoding a tyrosine tRNA synthetase is located near sacS in Bacillus subtilis. <i>DNA Sequence</i> , <b>1991</b> , 1, 251-61		38
139	Multiple IS insertion sequences near the replication terminus in Escherichia coli K-12. <i>Biochimie</i> , <b>1991</b> , 73, 1361-74	4-6	11
138	From data banks to data bases. <i>Research in Microbiology</i> , <b>1991</b> , 142, 913-6	4	23
137	Evidence for horizontal gene transfer in Escherichia coli speciation. <i>Journal of Molecular Biology</i> , <b>1991</b> , 222, 851-6	6-5	331
136	Positive regulation of the pts operon of Escherichia coli: genetic evidence for a signal transduction mechanism. <i>Journal of Bacteriology</i> , <b>1991</b> , 173, 727-33	3-5	39
135	Structural and functional relationships between Pasteurella multocida and enterobacterial adenylate cyclases. <i>Journal of Bacteriology</i> , <b>1991</b> , 173, 6265-9	3-5	17
134	Functional consequences of single amino acid substitutions in calmodulin-activated adenylate cyclase of Bordetella pertussis.. <i>EMBO Journal</i> , <b>1991</b> , 10, 1683-1688	13	31

133	Fructose catabolism in <i>Xanthomonas campestris</i> pv. <i>campestris</i> . Sequence of the PTS operon, characterization of the fructose-specific enzymes. <i>Journal of Biological Chemistry</i> , <b>1991</b> , 266, 18154-61	5.4	19
132	Functional consequences of single amino acid substitutions in calmodulin-activated adenylate cyclase of <i>Bordetella pertussis</i> . <i>EMBO Journal</i> , <b>1991</b> , 10, 1683-8	13	7
131	Fructose catabolism in <i>Xanthomonas campestris</i> pv. <i>campestris</i> . Sequence of the PTS operon, characterization of the fructose-specific enzymes.. <i>Journal of Biological Chemistry</i> , <b>1991</b> , 266, 18154-18161	5.4	24
130	Mutations in the <i>bglY</i> gene increase the frequency of spontaneous deletions in <i>Escherichia coli</i> K-12. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1990</b> , 87, 360-3	11.5	70
129	<i>Rhizobium meliloti</i> adenylate cyclase is related to eucaryotic adenylate and guanylate cyclases. <i>Journal of Bacteriology</i> , <b>1990</b> , 172, 2614-21	3.5	43
128	Mapping of sequenced genes (700 kbp) in the restriction map of the <i>Escherichia coli</i> chromosome. <i>Molecular Microbiology</i> , <b>1990</b> , 4, 169-87	4.1	73
127	<i>Escherichia coli</i> molecular genetic map (1000Kbp):update. <i>Molecular Microbiology</i> , <b>1990</b> , 4, 1443-1454	4.1	13
126	A <i>Xanthomonas campestris</i> pv. <i>campestris</i> protein similar to catabolite activation factor is involved in regulation of phytopathogenicity. <i>Journal of Bacteriology</i> , <b>1990</b> , 172, 5877-83	3.5	87
125	Characterization of <i>Escherichia coli</i> adenylate cyclase mutants with modified regulation. <i>Journal of General Microbiology</i> , <b>1990</b> , 136, 1825-31		21
124	Intrinsic fluorescence of a truncated <i>Bordetella pertussis</i> adenylate cyclase expressed in <i>Escherichia coli</i> . <i>Biochemistry</i> , <b>1990</b> , 29, 8126-30	3.2	20
123	Cyclic AMP synthesis in <i>Escherichia coli</i> strains bearing known deletions in the <i>pts</i> phosphotransferase operon. <i>Gene</i> , <b>1990</b> , 86, 27-33	3.8	83
122	Mutations in <i>bglY</i> , the structural gene for the DNA-binding protein H1, affect expression of several <i>Escherichia coli</i> genes. <i>Biochimie</i> , <b>1990</b> , 72, 889-91	4.6	62
121	Binding of 3'-anthraniloyl-2'-deoxy-ATP to calmodulin-activated adenylate cyclase from <i>Bordetella pertussis</i> and <i>Bacillus anthracis</i> . <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 18902-6	5.4	28
120	<i>Escherichia coli</i> molecular genetic map (1000 kbp): update I. <i>Molecular Microbiology</i> , <b>1990</b> , 4, 1443-54	4.1	12
119	Binding of 3'-anthraniloyl-2'-deoxy-ATP to calmodulin-activated adenylate cyclase from <i>Bordetella pertussis</i> and <i>Bacillus anthracis</i> .. <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 18902-18906	5.4	28
118	Identification of residues essential for catalysis and binding of calmodulin in <i>Bordetella pertussis</i> adenylate cyclase by site-directed mutagenesis.. <i>EMBO Journal</i> , <b>1989</b> , 8, 967-972	13	84
117	Genetics of the PTS components in <i>Escherichia coli</i> K-12. <i>FEMS Microbiology Letters</i> , <b>1989</b> , 63, 61-68	2.9	3
116	A locus involved in kanamycin, chloramphenicol and L-serine resistance is located in the <i>bglY-galU</i> region of the <i>Escherichia coli</i> K12 chromosome. <i>Molecular Genetics and Genomics</i> , <b>1989</b> , 218, 361-3		18

115	Antisense expression at the ptsH-ptsI locus of Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>1989</b> , 57, 35-38	2.9	6
114	Cloning and expression of mouse-brain calmodulin as an activator of Bordetella pertussis adenylate cyclase in Escherichia coli. <i>Gene</i> , <b>1989</b> , 80, 145-9	3.8	24
113	Identification of a common domain in calmodulin-activated eukaryotic and bacterial adenylate cyclases. <i>Biochemistry</i> , <b>1989</b> , 28, 1964-7	3.2	22
112	Homeotopic transformation and the origin of translation. <i>Progress in Biophysics and Molecular Biology</i> , <b>1989</b> , 54, 81-6	4.7	64
111	Molecular characterization of two cya mutations, cya-854 and cyaR1. <i>Journal of Bacteriology</i> , <b>1989</b> , 171, 5176-8	3.5	4
110	Cloning and restriction mapping of adenylate cyclase from Brevibacterium liquifaciens. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 778-779	5.1	1
109	Identification of residues essential for catalysis and binding of calmodulin in Bordetella pertussis adenylate cyclase by site-directed mutagenesis. <i>EMBO Journal</i> , <b>1989</b> , 8, 967-72	13	29
108	Genetics of the PTS components in Escherichia coli K-12. <i>FEMS Microbiology Reviews</i> , <b>1989</b> , 5, 61-7	15.1	5
107	The calmodulin-sensitive adenylate cyclase of Bordetella pertussis: cloning and expression in Escherichia coli. <i>Molecular Microbiology</i> , <b>1988</b> , 2, 19-30	4.1	250
106	Phylogeny of metabolic pathways: O-acetylserine sulphhydrylase A is homologous to the tryptophan synthase beta subunit. <i>Molecular Microbiology</i> , <b>1988</b> , 2, 777-83	4.1	42
105	Explanation of Benveniste. <i>Nature</i> , <b>1988</b> , 334, 286-286	50.4	2
104	Origin of mutants disputed. <i>Nature</i> , <b>1988</b> , 336, 527-527	50.4	7
103	Structural homology between virulence-associated bacterial adenylate cyclases. <i>Gene</i> , <b>1988</b> , 71, 293-8	3.8	86
102	From genes to clones. <i>Biochimie</i> , <b>1988</b> , 70, 131	4.6	4
101	Cloning and expression of the calmodulin-sensitive Bacillus anthracis adenylate cyclase in Escherichia coli. <i>Gene</i> , <b>1988</b> , 64, 277-84	3.8	74
100	Aspects of the regulation of adenylate cyclase synthesis in Escherichia coli K12. <i>Microbiology (United Kingdom)</i> , <b>1988</b> , 134, 359-67	2.9	8
99	The ptsH, ptsI, and crr genes of the Escherichia coli phosphoenolpyruvate-dependent phosphotransferase system: a complex operon with several modes of transcription. <i>Journal of Bacteriology</i> , <b>1988</b> , 170, 3827-37	3.5	118
98	Secretion of cyclolysin, the calmodulin-sensitive adenylate cyclase-haemolysin bifunctional protein of Bordetella pertussis.. <i>EMBO Journal</i> , <b>1988</b> , 7, 3997-4004	13	326

97	The calmodulin-sensitive adenylate cyclase of <i>Bordetella pertussis</i> : cloning and expression in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , <b>1988</b> , 2, 19-30	4.1	96
96	Structure and evolution of bacterial adenylate cyclase: comparison between <i>Escherichia coli</i> and <i>Erwinia chrysanthemi</i> . <i>Second Messengers and Phosphoproteins</i> , <b>1988</b> , 12, 7-28		5
95	Secretion of cyclolysin, the calmodulin-sensitive adenylate cyclase-haemolysin bifunctional protein of <i>Bordetella pertussis</i> . <i>EMBO Journal</i> , <b>1988</b> , 7, 3997-4004	13	163
94	The significance of split genes to developmental genetics. <i>Advances in Genetics</i> , <b>1987</b> , 24, 243-84	3.3	3
93	A TY1 element is inserted in the CYR1 control region of <i>Saccharomyces cerevisiae</i> strain AB320. <i>FEBS Letters</i> , <b>1987</b> , 219, 254-8	3.8	3
92	The structure of the promoter and amino terminal region of the pH 2.5 acid phosphatase structural gene (appA) of <i>E. coli</i> : a negative control of transcription mediated by cyclic AMP. <i>Biochimie</i> , <b>1987</b> , 69, 215-21	4.6	24
91	Nucleotide sequence of a tRNA(leu)CAG gene from <i>Rhizobium meliloti</i> . <i>Gene</i> , <b>1987</b> , 55, 153-6	3.8	5
90	Cloning and characterization of the pH 2.5 acid phosphatase gene, appA: cyclic AMP mediated negative regulation. <i>Molecular Genetics and Genomics</i> , <b>1987</b> , 208, 499-505		5
89	tRNA <sup>leu</sup> (CAG) from <i>Bordetella pertussis</i> . <i>FEMS Microbiology Letters</i> , <b>1987</b> , 44, 19-22	2.9	
88	Structural and catalytic characteristics of <i>Escherichia coli</i> adenylate kinase. <i>Journal of Biological Chemistry</i> , <b>1987</b> , 262, 622-9	5.4	53
87	Structural and catalytic characteristics of <i>Escherichia coli</i> adenylate kinase.. <i>Journal of Biological Chemistry</i> , <b>1987</b> , 262, 622-629	5.4	58
86	Yeast adenylate cyclase catalytic domain is carboxy terminal. <i>Current Genetics</i> , <b>1986</b> , 10, 343-52	2.9	30
85	Low copy number plasmid vectors for gene cloning and for monitoring gene expression. <i>FEMS Microbiology Letters</i> , <b>1986</b> , 37, 193-197	2.9	13
84	Protein export in prokaryotes and eukaryotes: indications of a difference in the mechanism of exportation. <i>Journal of Molecular Evolution</i> , <b>1986</b> , 24, 130-42	3.1	38
83	2-Ketoglutarate as a possible regulatory metabolite involved in cyclic AMP-dependent catabolite repression in <i>Escherichia coli</i> K12. <i>Biochimie</i> , <b>1986</b> , 68, 303-10	4.6	14
82	The <i>cya</i> gene region of <i>Erwinia chrysanthemi</i> B374: organisation and gene products. <i>Molecular Genetics and Genomics</i> , <b>1985</b> , 201, 38-42		36
81	Split genes. <i>Endeavour</i> , <b>1985</b> , 9, 18-27	0.5	
80	Analysis of the ptsH-ptsI-crr region in <i>Escherichia coli</i> K-12: nucleotide sequence of the ptsH gene. <i>Gene</i> , <b>1985</b> , 35, 199-207	3.8	46

79	Cyclic AMP in Bacteria: Catabolite Repression and Related Effects <b>1985</b> , 255-272		
78	Antibodies against synthetic oligopeptides allow identification of the mRNA-maturase encoded by the second intron of the yeast cob-box gene.. <i>EMBO Journal</i> , <b>1984</b> , 3, 1769-1772	13	19
77	Antibodies against a fused <i>lacZ</i> -yeast mitochondrial intron gene product allow identification of the mRNA maturase encoded by the fourth intron of the yeast cob-box gene.. <i>EMBO Journal</i> , <b>1984</b> , 3, 1567-1572	13	29
76	The complete nucleotide sequence of the adenylate cyclase gene of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , <b>1984</b> , 12, 9427-40	20.1	67
75	Role of 2-ketobutyrate as an alarmone in <i>E. coli</i> K12: inhibition of adenylate cyclase activity mediated by the phosphoenolpyruvate: glycolate phosphotransferase transport system. <i>Molecular Genetics and Genomics</i> , <b>1984</b> , 193, 467-72		15
74	Metabolic alterations mediated by 2-ketobutyrate in <i>Escherichia coli</i> K12. <i>Molecular Genetics and Genomics</i> , <b>1984</b> , 193, 473-8		39
73	Transcriptional control of polarity in <i>Escherichia coli</i> by cAMP. <i>Molecular Genetics and Genomics</i> , <b>1984</b> , 195, 96-100		23
72	Analysis of the <i>ptsH-ptsI-crr</i> region in <i>Escherichia coli</i> K-12: evidence for the existence of a single transcriptional unit. <i>Gene</i> , <b>1984</b> , 32, 31-40	3.8	22
71	Identification of the <i>Escherichia coli cya</i> gene product as authentic adenylate cyclase. <i>Journal of Molecular Biology</i> , <b>1984</b> , 175, 403-8	6.5	22
70	Antibodies against a fused 'lacZ-yeast mitochondrial intron' gene product allow identification of the mRNA maturase encoded by the fourth intron of the yeast cob-box gene. <i>EMBO Journal</i> , <b>1984</b> , 3, 1567-72	13	20
69	Antibodies against synthetic oligopeptides allow identification of the mRNA-maturase encoded by the second intron of the yeast cob-box gene. <i>EMBO Journal</i> , <b>1984</b> , 3, 1769-72	13	9
68	2-Ketobutyrate: a putative alarmone of <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , <b>1983</b> , 190, 452-8		28
67	Vectors for high conditional expression of cloned genes. <i>Biochimie</i> , <b>1983</b> , 65, 317-24	4.6	18
66	Two functional domains in adenylate cyclase of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>1983</b> , 165, 197-202	6.5	37
65	Regulation of adenylate cyclase synthesis in <i>Escherichia coli</i> : nucleotide sequence of the control region.. <i>EMBO Journal</i> , <b>1983</b> , 2, 791-797	13	66
64	The phosphoenolpyruvate dependent carbohydrate phosphotransferase system of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , <b>1983</b> , 16, 163-167	2.9	3
63	Specification of the immune response: its suppression induced by chloramphenicol in vitro. <i>Bioscience Reports</i> , <b>1983</b> , 3, 19-29	4.1	4
62	Regulation of adenylate cyclase synthesis in <i>Escherichia coli</i> : nucleotide sequence of the control region. <i>EMBO Journal</i> , <b>1983</b> , 2, 791-7	13	39

61	The <i>cya</i> locus of <i>Escherichia coli</i> K12: organization and gene products. <i>Molecular Genetics and Genomics</i> , <b>1982</b> , 188, 465-71		72
60	The specification of the immune response revisited. <i>Survey of Immunologic Research</i> , <b>1982</b> , 1, 173-83		3
59	Transcription-translation coupling and polarity: a possible role of cyclic AMP. <i>Biochimie</i> , <b>1981</b> , 63, 419-24.	4.6	10
58	Restriction map of the <i>cya</i> region of the <i>Escherichia coli</i> K12 chromosome. <i>Biochimie</i> , <b>1981</b> , 63, 719-22	4.6	33
57	CrpX mutants of <i>Escherichia coli</i> K-12: Selection and physiological properties. <i>FEMS Microbiology Letters</i> , <b>1981</b> , 10, 389-393	2.9	7
56	Generation of immune specificity: a working hypothesis. <i>BioSystems</i> , <b>1981</b> , 13, 259-66	1.9	5
55	Regulation of galactose operon expression: glucose effects and role of cyclic adenosine 3',5'-monophosphate. <i>Journal of Bacteriology</i> , <b>1981</b> , 146, 149-54	3.5	21
54	Isolation and characterization of an <i>Escherichia coli</i> mutant affected in the regulation of adenylate cyclase. <i>Journal of Bacteriology</i> , <b>1981</b> , 148, 753-61	3.5	29
53	Catabolite repression in <i>Escherichia coli</i> mutants lacking cyclic AMP receptor protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1980</b> , 77, 5799-801	11.5	48
52	Serine sensitivity of <i>Escherichia coli</i> K 12: partial characterization of a serine resistant mutant that is extremely sensitive to 2-ketobutyrate. <i>Molecular Genetics and Genomics</i> , <b>1980</b> , 178, 155-64		14
51	The coordinate expression of polycistronic operons in bacteria. <i>Trends in Biochemical Sciences</i> , <b>1980</b> , 5, 51-52	10.3	8
50	Role of cyclic AMP in regulatory mechanisms in bacteria. <i>Trends in Biochemical Sciences</i> , <b>1980</b> , 5, 95-96	10.3	14
49	Involvement of cyclic AMP and its receptor protein in the sensitivity of <i>Escherichia coli</i> K 12 toward serine: excretion of 2-ketobutyrate, a precursor of isoleucine. <i>Molecular Genetics and Genomics</i> , <b>1979</b> , 176, 343-50		16
48	On the binding of tRNA to <i>Escherichia coli</i> RNA polymerase. <i>FEBS Journal</i> , <b>1979</b> , 99, 187-201		15
47	Regulatory features of tRNA <sup>Leu I</sup> expression in <i>Escherichia coli</i> K12. <i>Biochemical and Biophysical Research Communications</i> , <b>1979</b> , 90, 1280-6	3.4	6
46	Is a metabolic control for the doubling of the macromolecule synthesizing machinery possible. <i>Biochimie</i> , <b>1979</b> , 61, 45-50	4.6	8
45	The specification of the immune response: a general selective model. <i>Molecular Immunology</i> , <b>1979</b> , 16, 515-26	4.3	5
44	Cyclic AMP as a modulator of polarity in polycistronic transcriptional units. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1979</b> , 76, 3194-7	11.5	84



43	Correlation between the serine sensitivity and the derepressibility of the <i>ilv</i> genes in <i>Escherichia coli</i> <i>relA</i> - mutants. <i>Molecular Genetics and Genomics</i> , <b>1978</b> , 165, 21-30		68
42	Structural and exchange properties of "Co(III)-phenanthroline-ATP": a labeling reagent for the active site of ATPases. <i>Bioinorganic Chemistry</i> , <b>1978</b> , 9, 81-92		9
41	Modulation of the lactose operon mRNA turnover by inhibitors of dihydrofolate reductase. <i>Biochemical and Biophysical Research Communications</i> , <b>1978</b> , 84, 769-76	3.4	5
40	Formylation of initiator tRNA methionine in prokaryotic protein synthesis: in vivo polarity in lactose operon expression. <i>Journal of Bacteriology</i> , <b>1978</b> , 135, 453-9	3.5	29
39	Inert Co(III) complexes as reagents for nucleotide binding sites. <i>Methods in Enzymology</i> , <b>1977</b> , 46, 312-21	1.7	6
38	A new technique for selection of sensitive and auxotrophic mutants of <i>E. coli</i> : isolation of a strain sensitive to an excess of one-carbon metabolites. <i>Molecular Genetics and Genomics</i> , <b>1977</b> , 150, 293-9		11
37	Co (III) -ATP Complexes as Affinity Labeling Reagents of Myosin and Coupling Factor-1 ATPases. <i>Jerusalem Symposia on Quantum Chemistry and Biochemistry</i> , <b>1977</b> , 283-290		1
36	Co(III)-ATP Complexes as Affinity Labeling Reagents of Myosin and Coupling Factor-1 ATPases. <i>Jerusalem Symposia on Quantum Chemistry and Biochemistry</i> , <b>1977</b> , 283-290		1
35	Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. II. A two-state model for the 70S ribosome. <i>Biochemistry</i> , <b>1976</b> , 15, 1362-9	3.2	26
34	Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. I. In vitro studies of the 30S and 70S ribosomal-tRNA complex. <i>Biochemistry</i> , <b>1976</b> , 15, 1357-62	3.2	41
33	A rapid test for the <i>rel A</i> mutation in <i>E. coli</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>1976</b> , 69, 751-8	3.4	88
32	Selective stabilisation of developing synapses as a mechanism for the specification of neuronal networks. <i>Nature</i> , <b>1976</b> , 264, 705-12	50.4	1323
31	A selective theory for the epigenetic specification of the monospecific antibody production in single cell lines. <i>Annales D'immunologie</i> , <b>1976</b> , 127, 787-804		2
30	Labelling of biological macromolecules with covalent analogs of Magnesium. II. - Features of the chromic Cr (III) ion. <i>Biochimie</i> , <b>1975</b> , 57, 875-80	4.6	13
29	Affinity labeling of rabbit muscle myosin with a cobalt (3)-adenosine triphosphate complex. <i>Biochemistry</i> , <b>1974</b> , 13, 2683-8	3.2	27
28	Specific interaction of cobaltic complexes with myosin. <i>FEBS Letters</i> , <b>1974</b> , 47, 7-10	3.8	11
27	Denaturation of UGA suppressor tRNA-Trp from <i>E. coli</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>1974</b> , 56, 1-8	3.4	12
26	Fluorescence of tryptophanyl-tRNA(Trp) from <i>E. coli</i> ; An interaction between the indole and tRNA and its dependence on tRNA conformation. <i>FEBS Letters</i> , <b>1973</b> , 30, 236-238	3.8	5

25	Does formylation of initiator tRNA act as a regulatory signal in E. coli?. <i>FEBS Letters</i> , <b>1973</b> , 34, 327-32	3.8	27
24	Biological macromolecules labelling with covalent complexes of magnesium analogs. I. The cobaltic Co 3 ion. <i>Biochimie</i> , <b>1973</b> , 55, 17-27	4.6	12
23	The effect of an intramolecular cross-link on reversible denaturation in tryptophan transfer ribonucleic acid from Escherichia coli. <i>Biochemistry</i> , <b>1973</b> , 12, 5393-9	3.2	11
22	A theory of the epigenesis of neuronal networks by selective stabilization of synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1973</b> , 70, 2974-8	11.5	193
21	Affinity labeling of the adenosine 5'-monophosphate binding site of rabbit muscle glycogen phosphorylase b with an adenosine 5'-monophosphate-cobalt(3) complex. <i>Journal of Biological Chemistry</i> , <b>1973</b> , 248, 3241-7	5.4	20
20	Affinity Labeling of the Adenosine 5'-Monophosphate Binding Site of Rabbit Muscle Glycogen Phosphorylase b with an Adenosine 5'-Monophosphate-Cobalt(III) Complex. <i>Journal of Biological Chemistry</i> , <b>1973</b> , 248, 3241-3247	5.4	22
19	Multiple states in macromolecules I. Qualitative model for a single nucleation process. <i>FEBS Letters</i> , <b>1972</b> , 19, 293-296	3.8	5
18	Multiple states in macromolecules II. Entropic behaviour of tRNA degraded by polynucleotide phosphorylase. <i>FEBS Letters</i> , <b>1972</b> , 19, 297-300	3.8	8
17	Proton magnetic resonance studies on 5'-AMP site in glycogen phosphorylase b. <i>FEBS Letters</i> , <b>1972</b> , 22, 289-293	3.8	6
16	A new method for specific labelling of tRNA: preliminary results on yeast tRNA Phe. <i>Biochimie</i> , <b>1972</b> , 54, 333-7	4.6	11
15	tRNA structure and binding sites for cations. <i>Biopolymers</i> , <b>1972</b> , 11, 1317-33	2.2	73
14	A dynamic molecular model for transfer RNA. <i>FEBS Letters</i> , <b>1971</b> , 13, 152-156	3.8	15
13	Cooperative binding of manganese (II) to transfer RNA. <i>FEBS Journal</i> , <b>1970</b> , 16, 532-6		86
12	Proton magnetic relaxation study of the manganese-transfer-RNA complex. <i>Journal of Chemical Physics</i> , <b>1970</b> , 53, 3599-609	3.9	43
11	Differences in binding of oligo C to charged and uncharged tRNA. <i>FEBS Letters</i> , <b>1970</b> , 9, 327-330	3.8	32
10	Reversible inactivation of phenylalanine acceptor activity of yeast tRNA <sup>phe</sup> by sodium borohydride. <i>Biochemical and Biophysical Research Communications</i> , <b>1970</b> , 39, 683-90	3.4	9
9	Binding of metal ions to macromolecules through an NMR spectrometric method of investigation. <i>Journal of Theoretical Biology</i> , <b>1969</b> , 25, 317-30	2.3	7
8	Proton magnetic relaxation studies of manganous complexes of transfer RNA and related compounds. <i>Journal of Molecular Biology</i> , <b>1969</b> , 39, 199-217	6.5	98

7	Computation of Antigenicity Predicts SARS-CoV-2 Vaccine Breakthrough Variants			1
6	An Interplay between Metabolic and Physicochemical Constraints: Lessons from the Psychrophilic Prokaryote Genomes208-220			1
5	Preliminary evidence for seasonality of Covid-19 due to ultraviolet radiation. <i>F1000Research</i> ,9, 658	3.6		2
4	The adenylate cyclase catalytic domain of <i>Streptomyces coelicolor</i> is carboxy-terminal			1
3	A new transmission route for the propagation of the SARS-CoV-2 coronavirus			9
2	The SARS Case Study: An Alarm Clock?151-162			3
1	Conjectures and Refutations289-294			