

Christos A Ouzounis

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

10,320
citations

36303

51
h-index

38395

95
g-index

180
all docs

180
docs citations

180
times ranked

13646
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | DisProt in 2022: improved quality and accessibility of protein intrinsic disorder annotation. <i>Nucleic Acids Research</i> , 2022, 50, D480-D487. | 14.5 | 117 |
| 2 | Annotating unknown species of urban microorganisms on a global scale unveils novel functional diversity and local environment association. <i>Environmental Research</i> , 2022, 207, 112183. | 7.5 | 7 |
| 3 | Stratification of hospitalized COVID-19 patients into clinical severity progression groups by immuno-phenotyping and machine learning. <i>Nature Communications</i> , 2022, 13, 915. | 12.8 | 32 |
| 4 | The Coming of Age for Big Data in Systems Radiobiology, an Engineering Perspective. <i>Big Data</i> , 2021, 9, 63-71. | 3.4 | 2 |
| 5 | A Strong Seasonality Pattern for Covid-19 Incidence Rates Modulated by UV Radiation Levels. <i>Viruses</i> , 2021, 13, 574. | 3.3 | 13 |
| 6 | Critical assessment of protein intrinsic disorder prediction. <i>Nature Methods</i> , 2021, 18, 472-481. | 19.0 | 187 |
| 7 | A global metagenomic map of urban microbiomes and antimicrobial resistance. <i>Cell</i> , 2021, 184, 3376-3393.e17. | 28.9 | 164 |
| 8 | Atypical Divergence of SARS-CoV-2 Orf8 from Orf7a within the Coronavirus Lineage Suggests Potential Stealthy Viral Strategies in Immune Evasion. <i>MBio</i> , 2021, 12, . | 4.1 | 28 |
| 9 | DisProt: intrinsic protein disorder annotation in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D269-D276. | 14.5 | 141 |
| 10 | Disentangling the complexity of low complexity proteins. <i>Briefings in Bioinformatics</i> , 2020, 21, 458-472. | 6.5 | 70 |
| 11 | A Path toward SARS-CoV-2 Attenuation: Metabolic Pressure on CTP Synthesis Rules the Virus Evolution. <i>Genome Biology and Evolution</i> , 2020, 12, 2467-2485. | 2.5 | 22 |
| 12 | A recent origin of Orf3a from M protein across the coronavirus lineage arising by sharp divergence. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 4093-4102. | 4.1 | 16 |
| 13 | The bioinformatics wealth of nations. <i>Bioinformatics</i> , 2020, 36, 2963-2965. | 4.1 | 6 |
| 14 | Travelling to scientific meetings is a mission, not a vacation. <i>EMBO Reports</i> , 2020, 21, e50388. | 4.5 | 1 |
| 15 | Ancestral state reconstruction of metabolic pathways across pangenome ensembles. <i>Microbial Genomics</i> , 2020, 6, . | 2.0 | 3 |
| 16 | Sequence variation, common tissue expression patterns and learning models: a genome-wide survey of vertebrate ribosomal proteins. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa088. | 3.2 | 1 |
| 17 | Toward unrestricted use of public genomic data. <i>Science</i> , 2019, 363, 350-352. | 12.6 | 45 |
| 18 | Consent insufficient for data release—Response. <i>Science</i> , 2019, 364, 446-446. | 12.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Establishment of computational biology in Greece and Cyprus: Past, present, and future. PLoS Computational Biology, 2019, 15, e1007532. | 3.2 | 3 |
| 20 | Understanding Specialized Ribosomal Protein Functions and Associated Ribosomopathies by Navigating Across Sequence, Literature, and Phenotype Information Resources. , 2019, , 35-51. | | 6 |
| 21 | An intrinsically disordered proteins community for ELIXIR. F1000Research, 2019, 8, 1753. | 1.6 | 12 |
| 22 | Hypothesis, analysis and synthesis, it's all Greek to me. ELife, 2019, 8, . | 6.0 | 5 |
| 23 | HipMCL: a high-performance parallel implementation of the Markov clustering algorithm for large-scale networks. Nucleic Acids Research, 2018, 46, e33-e33. | 14.5 | 104 |
| 24 | Developing computational biology at meridian 23° E, and a little eastwards. Journal of Biological Research, 2018, 25, 18. | 2.1 | 3 |
| 25 | No wisdom in the crowd: genome annotation in the era of big data – current status and future prospects. Microbial Biotechnology, 2018, 11, 588-605. | 4.2 | 45 |
| 26 | Computational complexity of algorithms for sequence comparison, short-read assembly and genome alignment. BioSystems, 2017, 156-157, 72-85. | 2.0 | 34 |
| 27 | BioPAXViz: a cytoscape application for the visual exploration of metabolic pathway evolution. Bioinformatics, 2017, 33, 1418-1420. | 4.1 | 5 |
| 28 | Sequence evidence for common ancestry of eukaryotic endomembrane coatomers. Scientific Reports, 2016, 6, 22311. | 3.3 | 9 |
| 29 | Brain Radiation Information Data Exchange (BRIDE): integration of experimental data from low-dose ionising radiation research for pathway discovery. BMC Bioinformatics, 2016, 17, 212. | 2.6 | 5 |
| 30 | Annotation inconsistencies beyond sequence similarity-based function prediction – phylogeny and genome structure. Standards in Genomic Sciences, 2015, 10, 108. | 1.5 | 38 |
| 31 | H3ABioNet computational metagenomics workshop in Mauritius: training to analyse microbial diversity for Africa. Standards in Genomic Sciences, 2015, 10, . | 1.5 | 2 |
| 32 | Inference of Pathway Decomposition Across Multiple Species Through Gene Clustering. International Journal on Artificial Intelligence Tools, 2015, 24, 1540003. | 1.0 | 0 |
| 33 | Assessing Proteinase K Resistance of Fish Prion Proteins in a Scrapie-Infected Mouse Neuroblastoma Cell Line. Viruses, 2014, 6, 4398-4421. | 3.3 | 5 |
| 34 | Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. PLoS Biology, 2014, 12, e1001920. | 5.6 | 190 |
| 35 | Experimental evidence validating the computational inference of functional associations from gene fusion events: a critical survey. Briefings in Bioinformatics, 2014, 15, 443-454. | 6.5 | 19 |
| 36 | BioTextQuest + : a knowledge integration platform for literature mining and concept discovery. Bioinformatics, 2014, 30, 3249-3256. | 4.1 | 23 |

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|----|--|-----|-----------|
| 37 | Functional Genomics Evidence Unearths New Moonlighting Roles of Outer Ring Coat Nucleoporins. <i>Scientific Reports</i> , 2014, 4, 4655. | 3.3 | 20 |
| 38 | Biological Information Extraction and Co-occurrence Analysis. <i>Methods in Molecular Biology</i> , 2014, 1159, 77-92. | 0.9 | 19 |
| 39 | An updated metabolic view of the <i>Bacillus subtilis</i> 168 genome. <i>Microbiology (United Kingdom)</i> , 2013, 159, 757-770. | 1.8 | 72 |
| 40 | MEETING REPORT: THE SEVENTH CONFERENCE OF THE HELLENIC SOCIETY FOR COMPUTATIONAL BIOLOGY AND BIOINFORMATICS. <i>Computational and Structural Biotechnology Journal</i> , 2013, 6, e201303006. | 4.1 | 1 |
| 41 | Gene Network and Proteomic Analyses of Cardiac Responses to Pathological and Physiological Stress. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 588-597. | 5.1 | 21 |
| 42 | Taxonomic Identification of Mediterranean Pines and Their Hybrids Based on the High Resolution Melting (HRM) and trnL Approaches: From Cytoplasmic Inheritance to Timber Tracing. <i>PLoS ONE</i> , 2013, 8, e60945. | 2.5 | 30 |
| 43 | Detection of Genomic Idiosyncrasies Using Fuzzy Phylogenetic Profiles. <i>PLoS ONE</i> , 2013, 8, e52854. | 2.5 | 16 |
| 44 | Rise and Demise of Bioinformatics? Promise and Progress. <i>PLoS Computational Biology</i> , 2012, 8, e1002487. | 3.2 | 51 |
| 45 | Transcriptome classification reveals molecular subtypes in psoriasis. <i>BMC Genomics</i> , 2012, 13, 472. | 2.8 | 55 |
| 46 | The Chlamydiales Pangenome Revisited: Structural Stability and Functional Coherence. <i>Genes</i> , 2012, 3, 291-319. | 2.4 | 9 |
| 47 | Multi-genome Core Pathway Identification through Gene Clustering. <i>International Federation for Information Processing</i> , 2012, , 545-555. | 0.4 | 1 |
| 48 | Complete genome sequence of <i>Mycobacterium</i> sp. strain (Spyr1) and reclassification to <i>Mycobacterium gilvum</i> Spyr1. <i>Standards in Genomic Sciences</i> , 2011, 5, 144-153. | 1.5 | 22 |
| 49 | Complete genome sequence of <i>Arthrobacter phenanthrenivorans</i> type strain (Sphe3). <i>Standards in Genomic Sciences</i> , 2011, 4, 123-130. | 1.5 | 31 |
| 50 | Functional Genomics Assistant (FUGA): a toolbox for the analysis of complex biological networks. <i>BMC Research Notes</i> , 2011, 4, 462. | 1.4 | 17 |
| 51 | Protein coalitions in a core mammalian biochemical network linked by rapidly evolving proteins. <i>BMC Evolutionary Biology</i> , 2011, 11, 142. | 3.2 | 3 |
| 52 | BioTextQuest: a web-based biomedical text mining suite for concept discovery. <i>Bioinformatics</i> , 2011, 27, 3327-3328. | 4.1 | 13 |
| 53 | Copy Number and Loss of Heterozygosity Detected by SNP Array of Formalin-Fixed Tissues Using Whole-Genome Amplification. <i>PLoS ONE</i> , 2011, 6, e24503. | 2.5 | 13 |
| 54 | Genome-wide expression patterns in physiological cardiac hypertrophy. <i>BMC Genomics</i> , 2010, 11, 557. | 2.8 | 17 |

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|----|---|-----|-----------|
| 55 | A Systems Model for Immune Cell Interactions Unravels the Mechanism of Inflammation in Human Skin. PLoS Computational Biology, 2010, 6, e1001024. | 3.2 | 51 |
| 56 | Promoter Complexity and Tissue-Specific Expression of Stress Response Components in <i>Mytilus galloprovincialis</i> , a Sessile Marine Invertebrate Species. PLoS Computational Biology, 2010, 6, e1000847. | 3.2 | 9 |
| 57 | Tumorigenic Properties of Iron Regulatory Protein 2 (IRP2) Mediated by Its Specific 73-Amino Acids Insert. PLoS ONE, 2010, 5, e10163. | 2.5 | 60 |
| 58 | Stratification of co-evolving genomic groups using ranked phylogenetic profiles. BMC Bioinformatics, 2009, 10, 355. | 2.6 | 8 |
| 59 | Emergence, development and diversification of the TGF- β signalling pathway within the animal kingdom. BMC Evolutionary Biology, 2009, 9, 28. | 3.2 | 137 |
| 60 | Sequence-based feature prediction and annotation of proteins. Genome Biology, 2009, 10, 206. | 9.6 | 53 |
| 61 | Metabolic innovations towards the human lineage. BMC Evolutionary Biology, 2008, 8, 247. | 3.2 | 14 |
| 62 | Stereotyped patterns of somatic hypermutation in subsets of patients with chronic lymphocytic leukemia: implications for the role of antigen selection in leukemogenesis. Blood, 2008, 111, 1524-1533. | 1.4 | 285 |
| 63 | PuReD-MCL: a graph-based PubMed document clustering methodology. Bioinformatics, 2008, 24, 1935-1941. | 4.1 | 35 |
| 64 | Science communication media for scientists and the public. EMBO Reports, 2007, 8, 886-887. | 4.5 | 3 |
| 65 | CORRIE: enzyme sequence annotation with confidence estimates. BMC Bioinformatics, 2007, 8, S3. | 2.6 | 14 |
| 66 | Denoising inferred functional association networks obtained by gene fusion analysis. BMC Genomics, 2007, 8, 460. | 2.8 | 16 |
| 67 | THE COMPARATIVE GENOMICS OF PROTEIN INTERACTIONS. , 2007, , . | | 0 |
| 68 | Stereotyped Patterns of Somatic Hypermutation (SHM) in Subsets of Patients with Chronic Lymphocytic Leukemia (CLL): Implications for the Role of Antigen Selection in Leukemogenesis.. Blood, 2007, 110, 744-744. | 1.4 | 0 |
| 69 | The comparative genomics of protein interactions. Genome Informatics, 2007, 19, 131-41. | 0.4 | 1 |
| 70 | A minimal estimate for the gene content of the last universal common ancestor"exobiology from a terrestrial perspective. Research in Microbiology, 2006, 157, 57-68. | 2.1 | 130 |
| 71 | Lineage-specific partitions in archaeal transcription. Archaea, 2006, 2, 117-125. | 2.3 | 11 |
| 72 | Maps, books and other metaphors for systems biology. BioSystems, 2006, 85, 6-10. | 2.0 | 31 |

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| 73 | Structural and functional properties of genes involved in human cancer. BMC Genomics, 2006, 7, 3. | 2.8 | 75 |
| 74 | Computational disease gene identification: a concert of methods prioritizes type 2 diabetes and obesity candidate genes. Nucleic Acids Research, 2006, 34, 3067-3081. | 14.5 | 134 |
| 75 | Highly consistent patterns for inherited human diseases at the molecular level. Bioinformatics, 2006, 22, 269-277. | 4.1 | 46 |
| 76 | Genome coverage, literally speaking. EMBO Reports, 2005, 6, 397-399. | 4.5 | 34 |
| 77 | Clustering the annotation space of proteins. BMC Bioinformatics, 2005, 6, 24. | 2.6 | 16 |
| 78 | Probabilistic annotation of protein sequences based on functional classifications. BMC Bioinformatics, 2005, 6, 302. | 2.6 | 24 |
| 79 | Sensitive detection of sequence similarity using combinatorial pattern discovery: A challenging study of two distantly related protein families. Proteins: Structure, Function and Bioinformatics, 2005, 61, 926-937. | 2.6 | 7 |
| 80 | Measuring genome conservation across taxa: divided strains and united kingdoms. Nucleic Acids Research, 2005, 33, 616-621. | 14.5 | 69 |
| 81 | An Exponential Core in the Heart of the Yeast Protein Interaction Network. Molecular Biology and Evolution, 2005, 22, 421-425. | 8.9 | 50 |
| 82 | Expansion of the BioCyc collection of pathway/genome databases to 160 genomes. Nucleic Acids Research, 2005, 33, 6083-6089. | 14.5 | 570 |
| 83 | CoGenT++: an extensive and extensible data environment for computational genomics. Bioinformatics, 2005, 21, 3806-3810. | 4.1 | 22 |
| 84 | The properties of protein family space depend on experimental design. Bioinformatics, 2005, 21, 2618-2622. | 4.1 | 10 |
| 85 | MagicMatch—cross-referencing sequence identifiers across databases. Bioinformatics, 2005, 21, 3429-3430. | 4.1 | 21 |
| 86 | Percolation of annotation errors through hierarchically structured protein sequence databases. Mathematical Biosciences, 2005, 193, 223-234. | 1.9 | 67 |
| 87 | Ancestral state reconstructions for genomes. Current Opinion in Genetics and Development, 2005, 15, 595-600. | 3.3 | 14 |
| 88 | Are splicing mutations the most frequent cause of hereditary disease?. FEBS Letters, 2005, 579, 1900-1903. | 2.8 | 327 |
| 89 | BioLayoutJava. Applied Bioinformatics, 2005, 4, 71-74. | 1.6 | 50 |
| 90 | The net of life: Reconstructing the microbial phylogenetic network. Genome Research, 2005, 15, 954-959. | 5.5 | 211 |

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| 91 | Automated metabolic reconstruction for <i>Methanococcus jannaschii</i> . <i>Archaea</i> , 2004, 1, 223-229. | 2.3 | 37 |
| 92 | Comparative Genomics of Transcriptional Control in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>Genome Research</i> , 2004, 14, 1548-1554. | 5.5 | 221 |
| 93 | Genome-wide identification of genes likely to be involved in human genetic disease. <i>Nucleic Acids Research</i> , 2004, 32, 3108-3114. | 14.5 | 226 |
| 94 | ROBUSTNESS OF METABOLIC MAP RECONSTRUCTION. <i>Journal of Bioinformatics and Computational Biology</i> , 2004, 02, 589-593. | 0.8 | 1 |
| 95 | Functional Evolution of the Yeast Protein Interaction Network. <i>Molecular Biology and Evolution</i> , 2004, 21, 1171-1176. | 8.9 | 66 |
| 96 | Mapping Functional Associations in the Entire Genome of <i>Drosophila melanogaster</i> Using Fusion Analysis. <i>Comparative and Functional Genomics</i> , 2003, 4, 337-341. | 2.0 | 4 |
| 97 | Metabolic database systems for the analysis of genome-wide function. <i>Biotechnology and Bioengineering</i> , 2003, 84, 750-755. | 3.3 | 7 |
| 98 | Detection of functional modules from protein interaction networks. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 49-57. | 2.6 | 362 |
| 99 | Classification schemes for protein structure and function. <i>Nature Reviews Genetics</i> , 2003, 4, 508-519. | 16.3 | 101 |
| 100 | Early bioinformatics: the birth of a discipline—a personal view. <i>Bioinformatics</i> , 2003, 19, 2176-2190. | 4.1 | 105 |
| 101 | From Genes to Genomes: Universal Scale-invariant Properties of Microbial Chromosome Organisation. <i>Journal of Molecular Biology</i> , 2003, 332, 617-633. | 4.2 | 38 |
| 102 | Transcription regulation and environmental adaptation in bacteria. <i>Trends in Microbiology</i> , 2003, 11, 248-253. | 7.7 | 168 |
| 103 | Beyond 100 genomes. <i>Genome Biology</i> , 2003, 4, 402. | 9.6 | 23 |
| 104 | Myriads of protein families, and still counting. <i>Genome Biology</i> , 2003, 4, 401. | 9.6 | 55 |
| 105 | GeneTRACE-reconstruction of gene content of ancestral species. <i>Bioinformatics</i> , 2003, 19, 1412-1416. | 4.1 | 46 |
| 106 | The phylogenetic diversity of eukaryotic transcription. <i>Nucleic Acids Research</i> , 2003, 31, 653-660. | 14.5 | 39 |
| 107 | Genome evolution reveals biochemical networks and functional modules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15428-15433. | 7.1 | 140 |
| 108 | The Phylogenetic Extent of Metabolic Enzymes and Pathways. <i>Genome Research</i> , 2003, 13, 422-427. | 5.5 | 91 |

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| 109 | PseuRECA: genome annotation and gene context analysis for Pseudomonas aeruginosa PAO1. <i>Bioinformatics</i> , 2003, 19, 1457-1460. | 4.1 | 8 |
| 110 | Comparison of sequence masking algorithms and the detection of biased protein sequence regions. <i>Bioinformatics</i> , 2003, 19, 1672-1681. | 4.1 | 20 |
| 111 | Evaluation of annotation strategies using an entire genome sequence. <i>Bioinformatics</i> , 2003, 19, 717-726. | 4.1 | 65 |
| 112 | COmplete GENome Tracking (COGENT): a flexible data environment for computational genomics. <i>Bioinformatics</i> , 2003, 19, 1451-1452. | 4.1 | 40 |
| 113 | Protein families and TRIBES in genome sequence space. <i>Nucleic Acids Research</i> , 2003, 31, 4632-4638. | 14.5 | 113 |
| 114 | The Balance of Driving Forces During Genome Evolution in Prokaryotes. <i>Genome Research</i> , 2003, 13, 1589-1594. | 5.5 | 173 |
| 115 | Automated Genome Functional Annotation for Structural Genomics. , 2003, , 349-368. | | 0 |
| 116 | Modeling the percolation of annotation errors in a database of protein sequences. <i>Bioinformatics</i> , 2002, 18, 1641-1649. | 4.1 | 153 |
| 117 | <i>Bioinformatics and the theoretical foundations of molecular biology. Bioinformatics</i> , 2002, 18, 377-378. | 4.1 | 23 |
| 118 | The past, present and future of genome-wide re-annotation. <i>Genome Biology</i> , 2002, 3, comment2001.1. | 9.6 | 86 |
| 119 | Genome-wide detection and family clustering of ion channels. <i>FEBS Letters</i> , 2002, 514, 129-134. | 2.8 | 12 |
| 120 | Genetic variation between <i>Helicobacter pylori</i> strains: gene acquisition or loss?. <i>Trends in Microbiology</i> , 2002, 10, 445-447. | 7.7 | 18 |
| 121 | Functional associations of proteins in entire genomes by means of exhaustive detection of gene fusions. <i>Genome Biology</i> , 2001, 2, research0034.1. | 9.6 | 108 |
| 122 | Functional Versatility and Molecular Diversity of the Metabolic Map of <i>Escherichia coli</i> . <i>Genome Research</i> , 2001, 11, 1503-1510. | 5.5 | 29 |
| 123 | Prediction of protein interactions: metabolic enzymes are frequently involved in gene fusion. <i>Nature Genetics</i> , 2000, 26, 141-142. | 21.4 | 91 |
| 124 | GeneRAGE: a robust algorithm for sequence clustering and domain detection. <i>Bioinformatics</i> , 2000, 16, 451-457. | 4.1 | 186 |
| 125 | Recent developments and future directions in computational genomics. <i>FEBS Letters</i> , 2000, 480, 42-48. | 2.8 | 49 |
| 126 | Genome sequences and great expectations. <i>Genome Biology</i> , 2000, 2, interactions0001.1. | 9.6 | 40 |

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|-----|--|------|-----------|
| 127 | Whole-genome sequence annotation: 'Going wrong with confidence'. <i>Molecular Microbiology</i> , 1999, 32, 886-887. | 2.5 | 58 |
| 128 | Protein interaction maps for complete genomes based on gene fusion events. <i>Nature</i> , 1999, 402, 86-90. | 27.8 | 1,032 |
| 129 | Universal Protein Families and the Functional Content of the Last Universal Common Ancestor. <i>Journal of Molecular Evolution</i> , 1999, 49, 413-423. | 1.8 | 103 |
| 130 | The PWI motif: a new protein domain in splicing factors. <i>Trends in Biochemical Sciences</i> , 1999, 24, 179-180. | 7.5 | 25 |
| 131 | Dictionary building via unsupervised hierarchical motif discovery in the sequence space of natural proteins. , 1999, 37, 264-277. | | 45 |
| 132 | Reproducibility in genome sequence annotation: the <i>Plasmodium falciparum</i> chromosome 2 case. <i>FEBS Letters</i> , 1999, 451, 354-355. | 2.8 | 14 |
| 133 | A ferredoxin-like domain in RNA polymerase 30/40-kDa subunits. <i>Trends in Biochemical Sciences</i> , 1998, 23, 169-170. | 7.5 | 8 |
| 134 | RGD sequences in several receptor proteins: novel cell adhesion function of receptors?. <i>International Journal of Biological Macromolecules</i> , 1998, 22, 51-57. | 7.5 | 17 |
| 135 | Errors in Genome Reviews. , 1998, 281, 1453c-1453. | | 18 |
| 136 | Sequence analysis of the <i>Methanococcus jannaschii</i> genome and the prediction of protein function. <i>Bioinformatics</i> , 1997, 13, 481-483. | 4.1 | 16 |
| 137 | Evolution of immunoglobulin-like modules in chitinases: their structural flexibility and functional implications. <i>Folding & Design</i> , 1997, 2, 291-294. | 4.5 | 25 |
| 138 | ThiD-TenA: A Gene Pair Fusion in Eukaryotes. <i>Journal of Molecular Evolution</i> , 1997, 45, 708-711. | 1.8 | 8 |
| 139 | Conserved Clusters of Functionally Related Genes in Two Bacterial Genomes. <i>Journal of Molecular Evolution</i> , 1997, 44, 66-73. | 1.8 | 163 |
| 140 | Genomes with distinct function composition. <i>FEBS Letters</i> , 1996, 389, 96-101. | 2.8 | 22 |
| 141 | The emergence of major cellular processes in evolution. <i>FEBS Letters</i> , 1996, 390, 119-123. | 2.8 | 81 |
| 142 | Novel Structural Features of the Human Histocompatibility Molecules HLA-DQ as Revealed by Modeling Based on the Published Structure of the Related Molecule HLA-DR. <i>Journal of Structural Biology</i> , 1996, 117, 145-163. | 2.8 | 29 |
| 143 | Computational comparisons of model genomes. <i>Trends in Biotechnology</i> , 1996, 14, 280-285. | 9.3 | 28 |
| 144 | Parallel origins of the nucleosome core and eukaryotic transcription from Archaea. <i>Journal of Molecular Evolution</i> , 1996, 42, 234-239. | 1.8 | 25 |

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|-----|--|------|-----------|
| 145 | The core histone fold: Limits to functional versatility. <i>Journal of Molecular Evolution</i> , 1996, 43, 541-542. | 1.8 | 3 |
| 146 | KOW: a novel motif linking a bacterial transcription factor with ribosomal proteins. <i>Trends in Biochemical Sciences</i> , 1996, 21, 425-426. | 7.5 | 120 |
| 147 | Novelties from the complete genome of <i>Mycoplasma genitalium</i> . <i>Molecular Microbiology</i> , 1996, 20, 898-900. | 2.5 | 37 |
| 148 | Ready for a motif submission? A proposed checklist. <i>Trends in Biochemical Sciences</i> , 1995, 20, 104. | 7.5 | 37 |
| 149 | A <i>Drosophila</i> hsp70 gene contains long, antiparallel, coupled open reading frames (LAC ORFs) conserved in homologous loci. <i>Journal of Molecular Evolution</i> , 1995, 41, 414-420. | 1.8 | 28 |
| 150 | Nucleic acid-binding metabolic enzymes: Living fossils of stereochemical interactions?. <i>Journal of Molecular Evolution</i> , 1995, 40, 564-569. | 1.8 | 16 |
| 151 | New protein functions in yeast chromosome VIII. <i>Protein Science</i> , 1995, 4, 2424-2428. | 7.6 | 33 |
| 152 | Exploring the <i>Mycoplasma capricolum</i> genome: a minimal cell reveals its physiology. <i>Molecular Microbiology</i> , 1995, 16, 955-967. | 2.5 | 84 |
| 153 | Novel protein families in archaean genomes. <i>Nucleic Acids Research</i> , 1995, 23, 565-570. | 14.5 | 40 |
| 154 | The functional composition of living machines as a design principle for artificial organisms. <i>Lecture Notes in Computer Science</i> , 1995, , 841-851. | 1.3 | 1 |
| 155 | Reverse Interpretation: A Hypothetical Selection Mechanism for Adaptive Mutagenesis Based on Autoregulated mRNA Stability. <i>Journal of Theoretical Biology</i> , 1994, 167, 373-380. | 1.7 | 6 |
| 156 | The modular structure of NifU proteins. <i>Trends in Biochemical Sciences</i> , 1994, 19, 199-200. | 7.5 | 30 |
| 157 | From genome sequences to protein function. <i>Current Opinion in Structural Biology</i> , 1994, 4, 393-403. | 5.7 | 54 |
| 158 | Barley β -glucosidase: Expression during seed germination and maturation and partial amino acids sequences. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1199, 52-58. | 2.4 | 22 |
| 159 | Mechanisms of Specificity in mRNA Degradation: Autoregulation and Cognate Interactions. <i>Journal of Theoretical Biology</i> , 1993, 163, 373-392. | 1.7 | 14 |
| 160 | Commentary response. <i>FEBS Letters</i> , 1993, 330, 242-242. | 2.8 | 0 |
| 161 | Homology of the NifS family of proteins to a new class of pyridoxal phosphate-dependent enzymes. <i>FEBS Letters</i> , 1993, 322, 159-164. | 2.8 | 46 |
| 162 | Prediction of Protein Structure by Evaluation of Sequence-structure Fitness. <i>Journal of Molecular Biology</i> , 1993, 232, 805-825. | 4.2 | 146 |

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|-----|---|------|-----------|
| 163 | TFIIB, an evolutionary link between the transcription machineries of archaeobacteria and eukaryotes. <i>Cell</i> , 1992, 71, 189-190. | 28.9 | 90 |
| 164 | Comprehensive sequence analysis of the 182 predicted open reading frames of yeast chromosome III. <i>Protein Science</i> , 1992, 1, 1677-1690. | 7.6 | 106 |
| 165 | A database of protein structure families with common folding motifs. <i>Protein Science</i> , 1992, 1, 1691-1698. | 7.6 | 193 |
| 166 | What's in a genome?. <i>Nature</i> , 1992, 358, 287-287. | 27.8 | 57 |
| 167 | A structure-derived sequence pattern for the detection of type I copper binding domains in distantly related proteins. <i>FEBS Letters</i> , 1991, 279, 73-78. | 2.8 | 44 |
| 168 | Primary and secondary structural patterns in eukaryotic cytochrome P-450 families correspond to structures of the helix-rich domain of <i>Pseudomonas putida</i> cytochrome P-450cam. Indications for a similar overall topology. <i>FEBS Journal</i> , 1991, 198, 307-315. | 0.2 | 25 |
| 169 | Bacterial DNA replication initiation factor priA is related to proteins belonging to the "DEAD-box"™ family. <i>Nucleic Acids Research</i> , 1991, 19, 6953-6953. | 14.5 | 27 |
| 170 | Preliminary evidence for seasonality of Covid-19 due to ultraviolet radiation. <i>F1000Research</i> , 0, 9, 658. | 1.6 | 6 |