

Osamu Gotoh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6875688/publications.pdf>

Version: 2024-02-01

71
papers

8,474
citations

147801

31
h-index

102487

66
g-index

71
all docs

71
docs citations

71
times ranked

6696
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | P450 superfamily: update on new sequences, gene mapping, accession numbers and nomenclature. <i>Pharmacogenetics and Genomics</i> , 1996, 6, 1-42. | 5.7 | 2,629 |
| 2 | An improved algorithm for matching biological sequences. <i>Journal of Molecular Biology</i> , 1982, 162, 705-708. | 4.2 | 1,486 |
| 3 | Genome sequencing and analysis of <i>Aspergillus oryzae</i> . <i>Nature</i> , 2005, 438, 1157-1161. | 27.8 | 1,128 |
| 4 | Significant Improvement in Accuracy of Multiple Protein Sequence Alignments by Iterative Refinement as Assessed by Reference to Structural Alignments. <i>Journal of Molecular Biology</i> , 1996, 264, 823-838. | 4.2 | 302 |
| 5 | Benchmarking spliced alignment programs including Spaln2, an extended version of Spaln that incorporates additional species-specific features. <i>Nucleic Acids Research</i> , 2012, 40, e161-e161. | 14.5 | 155 |
| 6 | Origins of Laboratory Mice Deduced from Restriction Patterns of Mitochondrial DNA. <i>Differentiation</i> , 1982, 22, 222-226. | 1.9 | 154 |
| 7 | Structural Characteristics of Cytochrome P-450. Possible Location of the Heme-Binding Cysteine in Determined Amino-Acid Sequences. <i>Journal of Biochemistry</i> , 1983, 93, 807-817. | 1.7 | 148 |
| 8 | Nucleotide sequence of a functional cDNA for human thymidylate synthase. <i>Nucleic Acids Research</i> , 1985, 13, 2035-2043. | 14.5 | 144 |
| 9 | Alignment of three biological sequences with an efficient traceback procedure. <i>Journal of Theoretical Biology</i> , 1986, 121, 327-337. | 1.7 | 142 |
| 10 | EVOLUTIONARY RELATIONSHIPS AMONG FIVE SUBSPECIES OF <i>MUS MUSCULUS</i> BASED ON RESTRICTION ENZYME CLEAVAGE PATTERNS OF MITOCHONDRIAL DNA. <i>Genetics</i> , 1981, 98, 801-816. | 2.9 | 131 |
| 11 | Molecular Mechanism of Nuclear Translocation of an Orphan Nuclear Receptor, SXR. <i>Molecular Pharmacology</i> , 2003, 63, 524-531. | 2.3 | 105 |
| 12 | Formation of Azole-Resistant <i>Candida albicans</i> by Mutation of Sterol 14-Demethylase P450. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1163-1169. | 3.2 | 103 |
| 13 | Sterol 14-Demethylase P450 (CYP51) Provides a Breakthrough for the Discussion on the Evolution of Cytochrome P450 Gene Superfamily. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 799-804. | 2.1 | 103 |
| 14 | A novel induction mechanism of the rat CYP1A2 gene mediated by Ah receptor-Arnt heterodimer. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 746-755. | 2.1 | 93 |
| 15 | Interindividual difference in expression of human Ah receptor and related P450 genes. <i>Carcinogenesis</i> , 1994, 15, 801-806. | 2.8 | 92 |
| 16 | Species-specific variation of alternative splicing and transcriptional initiation in six eukaryotes. <i>Gene</i> , 2005, 364, 53-62. | 2.2 | 92 |
| 17 | A space-efficient and accurate method for mapping and aligning cDNA sequences onto genomic sequence. <i>Nucleic Acids Research</i> , 2008, 36, 2630-2638. | 14.5 | 91 |
| 18 | Strictly maternal inheritance of rat mitochondrial DNA. <i>Biochemical and Biophysical Research Communications</i> , 1978, 83, 1032-1038. | 2.1 | 90 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Structure and drug inducibility of the human cytochrome P-450c gene. FEBS Journal, 1986, 159, 219-225. | 0.2 | 87 |
| 20 | Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma. Nature Communications, 2019, 10, 4965. | 12.8 | 82 |
| 21 | Molecular Cloning and Nucleotide Sequence of DNA of Mitochondrial Cytochrome P-450(11 β) of Bovine Adrenal Cortex1. Journal of Biochemistry, 1987, 102, 559-568. | 1.7 | 79 |
| 22 | Molecular Cloning and Expression of Fatty Acid Δ^2 -Hydroxylase from Sphingomonas paucimobilis. Journal of Biological Chemistry, 1997, 272, 23592-23596. | 3.4 | 74 |
| 23 | Multiple sequence alignment: Algorithms and applications. Advances in Biophysics, 1999, 36, 159-206. | 0.5 | 74 |
| 24 | CYP51-like gene of Mycobacterium tuberculosis actually encodes a P450 similar to eukaryotic CYP51. Journal of Biochemistry, 1998, 124, 694-696. | 1.7 | 61 |
| 25 | An improved method for estimating sequence divergence between related DNAs from changes in restriction endonuclease cleavage sites. Journal of Molecular Evolution, 1979, 14, 301-310. | 1.8 | 57 |
| 26 | Xenobiotic Responsive Element in the 5 β -Upstream Region of the Human P-450c Gene1. Journal of Biochemistry, 1991, 110, 232-236. | 1.7 | 52 |
| 27 | cDNA Cloning of a Murine Homologue of Drosophila Single-Minded, Its mRNA Expression in Mouse Development, and Chromosome Localization. Biochemical and Biophysical Research Communications, 1996, 218, 588-594. | 2.1 | 50 |
| 28 | Long range homogeneity of physical stability in double-stranded DNA. Nature, 1976, 263, 439-440. | 27.8 | 47 |
| 29 | Human Thymidylate Synthase Gene: Isolation of Phage Clones Which Cover a Functionally Active Gene and Structural Analysis of the Region Upstream from the Translation Initiation Codon1. Journal of Biochemistry, 1989, 106, 575-583. | 1.7 | 42 |
| 30 | Evolution of Cytochrome P450 Genes from the Viewpoint of Genome Informatics. Biological and Pharmaceutical Bulletin, 2012, 35, 812-817. | 1.4 | 41 |
| 31 | Implications of the genetic divergence between European wild mice with Robertsonian translocations from the viewpoint of mitochondrial DNA. Genetical Research, 1984, 43, 277-287. | 0.9 | 34 |
| 32 | Two different molecular types of rat mitochondrial DNAs. Biochemical and Biophysical Research Communications, 1978, 81, 871-877. | 2.1 | 33 |
| 33 | Differentiation of restriction sites in ribosomal DNA in the genus Apodemus. Biochemical Genetics, 1990, 28, 137-149. | 1.7 | 32 |
| 34 | Mitochondrial DNA analysis of mouse-rat hybrid cells: Effect of chloramphenicol selection on the relative amounts of parental mitochondrial DNAs. Somatic Cell Genetics, 1982, 8, 67-81. | 2.7 | 29 |
| 35 | cDNA cloning of cytochrome P-450 related to P-450p-2 from the cDNA library of human placenta. Gene structure and expression. FEBS Journal, 1990, 187, 23-29. | 0.2 | 29 |
| 36 | Identification of mitochondrial DNA species in interspecific cybrids and reconstituted cells using restriction endonuclease. FEBS Letters, 1980, 117, 59-62. | 2.8 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | The Apoptotic Initiator Caspase-8: Its Functional Ubiquity and Genetic Diversity during Animal Evolution. <i>Molecular Biology and Evolution</i> , 2014, 31, 3282-3301. | 8.9 | 25 |
| 38 | T-cell complexity and density are associated with sensitivity to neoadjuvant chemoradiotherapy in patients with rectal cancer. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 509-518. | 4.2 | 25 |
| 39 | Sequencing artifacts derived from a library preparation method using enzymatic fragmentation. <i>PLoS ONE</i> , 2020, 15, e0227427. | 2.5 | 24 |
| 40 | Identification of Novel First Exons in Ad4BP/SF-1 (NR5A1) Gene and Their Tissue- and Species-Specific Usage. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 63-71. | 2.1 | 23 |
| 41 | Molecular Cloning and Sequence Analysis of cDNA Coding for Rat Liver Hemoprotein H-4501. <i>Journal of Biochemistry</i> , 1990, 108, 899-902. | 1.7 | 22 |
| 42 | Prevalence of disease-causing genes in Japanese patients with BRCA1/2-wildtype hereditary breast and ovarian cancer syndrome. <i>Npj Breast Cancer</i> , 2020, 6, 25. | 5.2 | 21 |
| 43 | Evolutionary origin of mitochondrial cytochrome P450. <i>Journal of Biochemistry</i> , 2017, 161, 399-407. | 1.7 | 20 |
| 44 | The differences between the primary structures of mitochondrial DNAs from rat liver and ascites hepatoma (AH-130). <i>Cancer Letters</i> , 1978, 4, 125-130. | 7.2 | 15 |
| 45 | A general characteristic of tumor mitochondria: Leakage of endogenous Mg ²⁺ on incubation with uncoupler and resultant reduction of uncoupler-stimulated ATPase activity. <i>Archives of Biochemistry and Biophysics</i> , 1980, 205, 27-35. | 3.0 | 15 |
| 46 | Computer Analysis of the Sequence Relationships among 4.5S RNA Molecular Species from Various Sources. <i>Journal of Biochemistry</i> , 1982, 92, 1173-1177. | 1.7 | 15 |
| 47 | Cloning and Gene Mapping of the Mouse Homologue of the CBFA2T1 Gene Associated with Human Acute Myeloid Leukemia. <i>Genomics</i> , 1995, 29, 755-759. | 2.9 | 15 |
| 48 | Sequence search on a supercomputer. <i>Nucleic Acids Research</i> , 1986, 14, 57-64. | 14.5 | 14 |
| 49 | Genomic determinants impacting the clinical outcome of mogamulizumab treatment for adult T-cell leukemia/lymphoma. <i>Haematologica</i> , 2022, 107, 2418-2431. | 3.5 | 14 |
| 50 | Analysis of mitochondrial DNA species in interspecific hybrid somatic cells using restriction endonucleases. Identification of recombinant mtDNA molecules. <i>Experimental Cell Research</i> , 1981, 131, 458-462. | 2.6 | 12 |
| 51 | Emergence of Fluconazole-Resistant Sterol 14-Demethylase P450 (CYP51) in <i>Candida albicans</i> Is a Model Demonstrating the Diversification Mechanism of P450. <i>Archives of Biochemistry and Biophysics</i> , 2000, 379, 170-171. | 3.0 | 12 |
| 52 | Two Distinct Tumorigenic Processes in Endometrial Endometrioid Adenocarcinoma. <i>American Journal of Pathology</i> , 2020, 190, 234-251. | 3.8 | 11 |
| 53 | Length polymorphisms of restriction fragments of rat mitochondrial DNAs. <i>Biochemical and Biophysical Research Communications</i> , 1981, 98, 936-941. | 2.1 | 10 |
| 54 | Unique uncoupler-stimulation pattern of mitochondrial ATPase activity of tumor cells, brain, and fetal liver. <i>Biochemical and Biophysical Research Communications</i> , 1980, 92, 261-267. | 2.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Salt-Concentration Dependence of Thermal Denaturation of Restriction Fragment DNAs from <i>X1741</i> . <i>Journal of Biochemistry</i> , 1982, 92, 623-635. | 1.7 | 9 |
| 56 | Identification of a new clock-related element EL-box involved in circadian regulation by BMAL1/CLOCK and HES1. <i>Gene</i> , 2012, 510, 118-125. | 2.2 | 8 |
| 57 | Immunogenomic landscape of gynecologic carcinosarcoma. <i>Gynecologic Oncology</i> , 2021, 160, 547-556. | 1.4 | 8 |
| 58 | Transactivation activity of LBP proteins and their dimerization in living cells. <i>Genes To Cells</i> , 2009, 14, 1183-1196. | 1.2 | 5 |
| 59 | Multiplex cDNA quantification method that facilitates the standardization of gene expression data. <i>Nucleic Acids Research</i> , 2011, 39, e70-e70. | 14.5 | 5 |
| 60 | Genomic alterations in gynecological malignancies: histotype-associated driver mutations, molecular subtyping schemes, and tumorigenic mechanisms. <i>Journal of Human Genetics</i> , 2021, 66, 853-868. | 2.3 | 5 |
| 61 | Immunogenic characteristics of microsatellite instability-low esophagogastric junction adenocarcinoma based on clinicopathological, molecular, immunological and survival analyses. <i>International Journal of Cancer</i> , 2021, 148, 1260-1275. | 5.1 | 4 |
| 62 | Pathogenicity assessment of variants for breast cancer susceptibility genes based on BRCAness of tumor sample. <i>Cancer Science</i> , 2021, 112, 1310-1319. | 3.9 | 3 |
| 63 | A multiplex RNA quantification method to determine the absolute amounts of mRNA without reverse transcription. <i>Analytical Biochemistry</i> , 2017, 539, 96-103. | 2.4 | 2 |
| 64 | Characterization of moss ent-kaurene oxidase (CYP701B1) using a highly purified preparation. <i>Journal of Biochemistry</i> , 2018, 163, 69-76. | 1.7 | 2 |
| 65 | Tetrahedral Gray Code for Visualization of Genome Information. <i>PLoS ONE</i> , 2014, 9, e86133. | 2.5 | 1 |
| 66 | A method of sample-wise region-set enrichment analysis for DNA methylomics. <i>Epigenomics</i> , 2021, 13, 1081-1093. | 2.1 | 1 |
| 67 | 1P487 Improvement in Software for Kinetics Analyses of Protein-Ligand Interaction(23. <i>Bioinformatics</i> ,) Tj ETQq1 1 0.784314 rgBT /C Butsuri, 2006, 46, S268. | 0.1 | 0 |
| 68 | Sequencing artifacts derived from a library preparation method using enzymatic fragmentation. , 2020, 15, e0227427. | | 0 |
| 69 | Sequencing artifacts derived from a library preparation method using enzymatic fragmentation. , 2020, 15, e0227427. | | 0 |
| 70 | Sequencing artifacts derived from a library preparation method using enzymatic fragmentation. , 2020, 15, e0227427. | | 0 |
| 71 | Sequencing artifacts derived from a library preparation method using enzymatic fragmentation. , 2020, 15, e0227427. | | 0 |