

Gabor L Igloi

List of Publications by Year in descending order

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56
papers

2,342
citations

279701

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206029

48
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56
docs citations

56
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Adjustment of tRNA Identity Rules in Bacillariophyta for Recognition by an Aminoacyl-tRNA Synthetase Adds a Facet to the Origin of Diatoms. <i>Journal of Molecular Evolution</i> , 2022, 90, 215-226.	0.8	3
2	The Evolutionary Fate of Mitochondrial Aminoacyl-tRNA Synthetases in Amitochondrial Organisms. <i>Journal of Molecular Evolution</i> , 2021, 89, 484-493.	0.8	3
3	Molecular evidence for the evolution of the eukaryotic mitochondrial arginyl-tRNA synthetase from the prokaryotic suborder Cystobacterineae. <i>FEBS Letters</i> , 2020, 594, 951-957.	1.3	4
4	Gene organization and phylum-specific attributes of eukaryotic arginyl-tRNA synthetases. <i>Gene Reports</i> , 2020, 20, 100778.	0.4	3
5	Evidence for fungal sequence contamination in plant transcriptome databases. <i>Plant Systematics and Evolution</i> , 2019, 305, 563-568.	0.3	4
6	Spatio-temporal patterning of arginyl-tRNA protein transferase (^{ATE}) contributes to gametophytic development in a moss. <i>New Phytologist</i> , 2016, 209, 1014-1027.	3.5	35
7	Identification of Targets and Interaction Partners of Arginyl-tRNA Protein Transferase in the Moss <i>Physcomitrella patens</i> . <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1808-1822.	2.5	25
8	Where have all the inosines gone? Conflicting evidence for A-to-I editing of the anticodon of higher eukaryotic questions the dogma of a universal wobble-mediated decoding of CGN codons. <i>IUBMB Life</i> , 2016, 68, 419-422.	1.5	3
9	Identity elements for the aminoacylation of metazoan mitochondrial tRNA ^{Arg} have been widely conserved throughout evolution and ensure the fidelity of the AGR codon reassignment. <i>RNA Biology</i> , 2014, 11, 1313-1323.	1.5	12
10	Amino acid discrimination by the nuclear encoded mitochondrial arginyl-tRNA synthetase of the larva of a bruchid beetle (<i>Caryedes brasiliensis</i>) from northwestern Costa Rica. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 1172-1180.	1.2	11
11	Amino acid discrimination by the nuclear encoded mitochondrial arginyl-tRNA synthetase of the larva of a bruchid beetle (<i>Caryedes brasiliensis</i>) from northwestern Costa Rica. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 1172-80.	1.2	3
12	The influence of identity elements on the aminoacylation of tRNA ^{Arg} by plant and <i>Escherichia coli</i> arginyl-tRNA synthetases. <i>FEBS Journal</i> , 2012, 279, 3622-3638.	2.2	15
13	The absence of A-to-I editing in the anticodon of plant cytoplasmic tRNA ^{Arg} ACG demands a relaxation of the wobble decoding rules. <i>RNA Biology</i> , 2012, 9, 1239-1246.	1.5	14
14	Amino acid discrimination by arginyl-tRNA synthetases as revealed by an examination of natural specificity variants. <i>FEBS Journal</i> , 2009, 276, 1307-1318.	2.2	25
15	Two closely related pathways of nicotine catabolism in <i>Arthrobacter nicotinovorans</i> and <i>Nocardioides</i> sp. strain JS614. <i>Archives of Microbiology</i> , 2008, 189, 511-517.	1.0	47
16	Expression and properties of arginyl-tRNA synthetase from jack bean (<i>Canavalia ensiformis</i>). <i>Protein Expression and Purification</i> , 2008, 61, 163-167.	0.6	7
17	Final steps in the catabolism of nicotine. Deamination versus demethylation of gamma-N-methylaminobutyrate. <i>FEBS Journal</i> , 2006, 273, 1528-1536.	2.2	31
18	Characterization of PmFR, the Transcriptional Activator of the pAO1-Borne purU-mabO-fold Operon of <i>Arthrobacter nicotinovorans</i> . <i>Journal of Bacteriology</i> , 2005, 187, 3062-3070.	1.0	19

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19	An Î±/Î²-Fold C Bond Hydrolase Is Involved in a Central Step of Nicotine Catabolism by <i>Arthrobacter nicotinovorans</i> . <i>Journal of Bacteriology</i> , 2005, 187, 8516-8519.	1.0	27
20	Sequence of the 165-Kilobase Catabolic Plasmid pAO1 from <i>Arthrobacter nicotinovorans</i> and Identification of a pAO1-Dependent Nicotine Uptake System. <i>Journal of Bacteriology</i> , 2003, 185, 1976-1986.	1.0	107
21	Single-nucleotide polymorphism detection using peptide nucleic acids. <i>Expert Review of Molecular Diagnostics</i> , 2003, 3, 17-26.	1.5	14
22	Simultaneous Identification of Mutations by Dual-Parameter Multiplex Hybridization in Peptide Nucleic Acid-Containing Virtual Arrays. <i>Genomics</i> , 2001, 74, 402-407.	1.3	11
23	Gene Cluster on pAO1 of <i>Arthrobacter nicotinovorans</i> Involved in Degradation of the Plant Alkaloid Nicotine: Cloning, Purification, and Characterization of 2,6-Dihydropyridine 3-Hydroxylase. <i>Journal of Bacteriology</i> , 2001, 183, 5262-5267.	1.0	88
24	Automated Detection of Point Mutations by Electrophoresis in Peptide-Nucleic Acid-Containing Gels. <i>BioTechniques</i> , 1999, 27, 798-808.	0.8	25
25	Purification and cDNA cloning of maize HMGd reveal a novel plant chromosomal HMG-box protein with sequence similarity to HMGa. <i>Gene</i> , 1997, 190, 303-307.	1.0	10
26	Variability in <i>Arabidopsis thaliana</i> Chromosomal High-Mobility-Group-1-Like Proteins. <i>FEBS Journal</i> , 1997, 250, 646-652.	0.2	29
27	Molybdate-Uptake Genes and Molybdopterin-Biosynthesis Genes on a Bacterial Plasmid. Characterization of MoeA as a Filament-Forming Protein with Adenosinetriphosphatase Activity. <i>FEBS Journal</i> , 1997, 250, 524-531.	0.2	17
28	IS1473, a Putative Insertion Sequence Identified in the Plasmid pAO1 from <i>Arthrobacter nicotinovorans</i> : Isolation, Characterization, and Distribution among <i>Arthrobacter</i> Species. <i>Plasmid</i> , 1997, 37, 35-41.	0.4	15
29	Title is missing!. <i>Photosynthesis Research</i> , 1997, 54, 63-71.	1.6	19
30	Chemically Synthesised Human Immunodeficiency Virus P7 Nucleocapsid Protein Can Self-Assemble into Particles and Binds to a Specific Site on the tRNA ^{Lys} 3'Primer. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 191-198.	1.0	8
31	Substrate Properties of Fluorescent Ribonucleotides in the Terminal Transferase-Catalyzed Labeling of DNA Sequencing Primers. <i>BioTechniques</i> , 1996, 21, 1084-1092.	0.8	4
32	Nonradioactive Labeling of RNA. <i>Analytical Biochemistry</i> , 1996, 233, 124-129.	1.1	26
33	A pAO1-encoded molybdopterin cofactor gene (<i>moaA</i>) of <i>Arthrobacter nicotinovorans</i> : characterization and site-directed mutagenesis of the encoded protein. <i>Archives of Microbiology</i> , 1995, 164, 142-151.	1.0	29
34	Twintrons are not unique to the <i>Euglena</i> chloroplast genome: structure and evolution of a plastome <i>cpn60</i> gene from a cryptomonad. <i>Molecular Genetics and Genomics</i> , 1995, 246, 128-131.	2.4	24
35	Complete Sequence of the Maize Chloroplast Genome: Gene Content, Hotspots of Divergence and Fine Tuning of Genetic Information by Transcript Editing. <i>Journal of Molecular Biology</i> , 1995, 251, 614-628.	2.0	573
36	Structural analysis and molybdenum-dependent expression of the pAO1-encoded nicotine dehydrogenase genes of <i>Arthrobacter nicotinovorans</i> . <i>Molecular Microbiology</i> , 1994, 13, 929-936.	1.2	66

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37	The role of RNA editing in conservation of start codons in chloroplast genomes. <i>Gene</i> , 1994, 146, 177-182.	1.0	89
38	Isolation of rat cDNA clones coding for the autoantigen SS-B/La: detection of species-specific variations. <i>Gene</i> , 1993, 126, 265-268.	1.0	28
39	Structure of a gene encoding heat-shock protein HSP70 from the unicellular alga <i>Chlamydomonas reinhardtii</i> . <i>Gene</i> , 1992, 111, 165-173.	1.0	57
40	Affinity electrophoretic detection of primary amino groups in nucleic acids: Application to modified bases of tRNA and to aminoacylation. <i>Analytical Biochemistry</i> , 1992, 206, 363-368.	1.1	9
41	Editing of a chloroplast mRNA by creation of an initiation codon. <i>Nature</i> , 1991, 353, 178-180.	13.7	352
42	Demonstration of nucleomorph-encoded eukaryotic small subunit ribosomal RNA in cryptomonads. <i>Molecular Genetics and Genomics</i> , 1991, 230, 155-160.	2.4	68
43	Nucleotide sequence of the maize chloroplast rpo B/C1/C2 operon: Comparison between the derived protein primary structures from various organisms with respect to functional domains. <i>Molecular Genetics and Genomics</i> , 1990, 221, 379-394.	2.4	67
44	A leucine-zipper motif in photosystem I. <i>Plant Molecular Biology</i> , 1990, 15, 497-499.	2.0	23
45	Affinity Electrophoresis for the Separation of Oligo- and Polynucleotides. <i>Nucleosides & Nucleotides</i> , 1988, 7, 639-643.	0.5	1
46	Nucleotide sequence of tDNA(Cys)GCA and its flanking regions from <i>Zea mays</i> chloroplasts. <i>Nucleic Acids Research</i> , 1988, 16, 5696-5696.	6.5	5
47	The use of permanganate as a sequencing reagent for identification of 5-methylcytosine residues in DNA. <i>Nucleic Acids Research</i> , 1987, 15, 5517-5528.	6.5	40
48	[27] Use of boronate-containing gels for electrophoretic analysis of both ends of RNA molecules. <i>Methods in Enzymology</i> , 1987, 155, 433-448.	0.4	15
49	Functional in vivo verification in <i>E. coli</i> of promoter activities from the rDNA/tDNAval(GAC) leader region of <i>Zea mays</i> chloroplasts. <i>Current Genetics</i> , 1987, 12, 241-246.	0.8	10
50	The identification of tRNA isoacceptors fractionated by polyacrylamid gel electrophoresis. <i>Journal of Proteomics</i> , 1984, 10, 1-12.	2.4	2
51	A silver stain for the detection of nanogram amounts of tRNA following two-dimensional electrophoresis. <i>Analytical Biochemistry</i> , 1983, 134, 184-188.	1.1	108
52	[22] Experimental proof for the misactivation of amino acids by aminoacyl-tRNA synthetases. <i>Methods in Enzymology</i> , 1979, 59, 282-291.	0.4	26
53	Aminoacyl-tRNA synthetases from yeast: generality of chemical proofreading in the prevention of misaminoacylation of tRNA. <i>Biochemistry</i> , 1978, 17, 3459-3468.	1.2	62
54	Threonyl-tRNA synthetase from yeast Aminoacylation of tRNA on its non-accepting 3'-terminal hydroxyl group and its behaviour in enzyme-catalyzed deacylation. <i>FEBS Letters</i> , 1978, 90, 97-102.	1.3	3

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55	The Effects of Spermine and Mg ²⁺ on the Catalytic Mechanism of Isoleucine: tRNA Ligase. FEBS Journal, 1975, 54, 169-173.	0.2	16
56	Automatic fluorescence titrations and their interpretation. Analytical Biochemistry, 1975, 64, 239-248.	1.1	5