

Peter Albert Gegenheimer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,390
citations

430442

18
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of action of a yeast RNA ligase in tRNA splicing. <i>Cell</i> , 1983, 32, 537-546.	13.5	310
2	Precise excision of intervening sequences from precursor tRNAs by a membrane-associated yeast endonuclease. <i>Cell</i> , 1983, 32, 525-536.	13.5	289
3	Novel mechanisms for maturation of chloroplast transfer RNA precursors. <i>EMBO Journal</i> , 1988, 7, 1567-1574.	3.5	130
4	Ribonuclease P Catalysis Requires Mg ²⁺ -Coordinated to the pro-RPOxygen of the Scissile Bond. <i>Biochemistry</i> , 1997, 36, 2425-2438.	1.2	82
5	Cell-Free Circularization of Viroid Progeny RNA by an RNA Ligase from Wheat Germ. <i>Science</i> , 1982, 217, 1147-1149.	6.0	81
6	Processing of rRNA by RNAase P: Spacer tRNAs are linked to 16S rRNA in an RNAase P RNAase III mutant strain of <i>E. coli</i> . <i>Cell</i> , 1978, 15, 527-539.	13.5	67
7	Chloroplast ribonuclease P does not utilize the ribozyme-type pre-tRNA cleavage mechanism. <i>Rna</i> , 2000, 6, 545-553.	1.6	60
8	The 20 C-terminal Amino Acid Residues of the Chloroplast ATP Synthase $\hat{\beta}$ Subunit Are Not Essential for Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 13824-13829.	1.6	44
9	Evidence for an RNA-based catalytic mechanism in eukaryotic nuclear ribonuclease P. <i>Rna</i> , 2000, 6, 554-562.	1.6	42
10	Precursors to 16S and 23S ribosomal RNA from a ribonuclease III ⁻ strain of <i>Escherichia coli</i> contain intact RNase III processing sites. <i>Nucleic Acids Research</i> , 1980, 8, 1873-1891.	6.5	41
11	PPR proteins shed a new light on RNase P biology. <i>RNA Biology</i> , 2013, 10, 1457-1468.	1.5	41
12	Substrate masking: binding of RNA by EGTA-inactivated micrococcal nuclease results in artifactual inhibition of RNA processing reactions. <i>Nucleic Acids Research</i> , 1990, 18, 6625-6631.	6.5	34
13	Structural Analysis of the Regulatory Dithiol-containing Domain of the Chloroplast ATP Synthase $\hat{\beta}$ Subunit. <i>Journal of Biological Chemistry</i> , 2006, 281, 31041-31049.	1.6	31
14	Structural characterization and in vitro processing of <i>Escherichia coli</i> ribosomal RNA transcripts containing 5' triphosphates, leader sequences, 16 S rRNA, and spacer tRNAs. <i>Journal of Molecular Biology</i> , 1980, 143, 227-257.	2.0	29
15	Structure, mechanism and evolution of chloroplast transfer RNA processing systems. <i>Molecular Biology Reports</i> , 1996, 22, 147-150.	1.0	23
16	Processing of bacterial RNA. <i>FEBS Letters</i> , 1981, 125, 1-9.	1.3	21
17	Over-expression and refolding of $\hat{\beta}$ -subunit from the chloroplast ATP synthase. <i>FEBS Letters</i> , 1992, 298, 69-73.	1.3	20
18	Cleavage Specificity of Chloroplast and Nuclear tRNA 3'-Processing Nucleases. <i>Molecular and Cellular Biology</i> , 1992, 12, 865-875.	1.1	20

#	ARTICLE	IF	CITATIONS
19	A Subunit Interaction in Chloroplast ATP Synthase Determined by Genetic Complementation between Chloroplast and Bacterial ATP Synthase Genes. <i>Journal of Biological Chemistry</i> , 1995, 270, 17124-17132.	1.6	16
20	Enzyme nomenclature: Functional or structural?. <i>Rna</i> , 2000, 6, 1695-1697.	1.6	7
21	Electronic fingerprinting of RNA. <i>Nucleic Acids Research</i> , 1988, 16, 1799-1800.	6.5	2