

Karsten Liere

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,325
citations

361413

20
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

2257
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | pTAC2, -6, and -12 Are Components of the Transcriptionally Active Plastid Chromosome That Are Required for Plastid Gene Expression. <i>Plant Cell</i> , 2006, 18, 176-197. | 6.6 | 423 |
| 2 | The transcription machineries of plant mitochondria and chloroplasts: Composition, function, and regulation. <i>Journal of Plant Physiology</i> , 2011, 168, 1345-1360. | 3.5 | 192 |
| 3 | The Primary Transcriptome of Barley Chloroplasts: Numerous Noncoding RNAs and the Dominating Role of the Plastid-Encoded RNA Polymerase σ . <i>Plant Cell</i> , 2012, 24, 123-136. | 6.6 | 186 |
| 4 | From seedling to mature plant: Arabidopsis plastidial genome copy number, RNA accumulation and transcription are differentially regulated during leaf development. <i>Plant Journal</i> , 2007, 50, 710-722. | 5.7 | 164 |
| 5 | An organellar maturase associates with multiple group II introns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3245-3250. | 7.1 | 161 |
| 6 | Fewer genes than organelles: extremely low and variable gene copy numbers in mitochondria of somatic plant cells. <i>Plant Journal</i> , 2010, 64, 948-959. | 5.7 | 160 |
| 7 | In vitro characterization of the tobacco rpoB promoter reveals a core sequence motif conserved between phage-type plastid and plant mitochondrial promoters. <i>EMBO Journal</i> , 1999, 18, 249-257. | 7.8 | 111 |
| 8 | Cytokinin Stimulates Chloroplast Transcription in Detached Barley Leaves. <i>Plant Physiology</i> , 2008, 148, 1082-1093. | 4.8 | 99 |
| 9 | RNA-binding activity of the <i>thematK</i> protein encoded by the chloroplast <i>trnK</i> intron from mustard (<i>Sinapis</i>) Tj ETQq1 1 0,784314 rgBT /Ov | 14.5 | 77 |
| 10 | Transcription and transcriptional regulation in plastids. <i>Topics in Current Genetics</i> , 2007, , 121-174. | 0.7 | 75 |
| 11 | High diversity of plastidial promoters in <i>Arabidopsis thaliana</i> . <i>Molecular Genetics and Genomics</i> , 2007, 277, 725-734. | 2.1 | 75 |
| 12 | BaitFisher: A Software Package for Multispecies Target DNA Enrichment Probe Design. <i>Molecular Biology and Evolution</i> , 2016, 33, 1875-1886. | 8.9 | 71 |
| 13 | Redox Regulation and Modification of Proteins Controlling Chloroplast Gene Expression. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 607-618. | 5.4 | 67 |
| 14 | Arabidopsis Phage-Type RNA Polymerases: Accurate In Vitro Transcription of Organellar Genes. <i>Plant Cell</i> , 2007, 19, 959-971. | 6.6 | 66 |
| 15 | Impaired function of the phage-type RNA polymerase RpoTp in transcription of chloroplast genes is compensated by a second phage-type RNA polymerase. <i>Nucleic Acids Research</i> , 2007, 36, 785-792. | 14.5 | 63 |
| 16 | Chloroplast endoribonuclease p54 involved in RNA 3'-end processing is regulated by phosphorylation and redox state. <i>Nucleic Acids Research</i> , 1997, 25, 2403-2408. | 14.5 | 57 |
| 17 | Overexpression of phage-type RNA polymerase RpoTp in tobacco demonstrates its role in chloroplast transcription by recognizing a distinct promoter type. <i>Nucleic Acids Research</i> , 2004, 32, 1159-1165. | 14.5 | 54 |
| 18 | Identification and characterization of the <i>Arabidopsis thaliana</i> chloroplast DNA region containing the genes <i>psbA</i> , <i>trnH</i> and <i>rps19</i> ?. <i>Current Genetics</i> , 1995, 28, 128-130. | 1.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Identification of a novel aviadenovirus, designated pigeon adenovirus 2 in domestic pigeons (Columba) Tj ETQq1 1,0,784314 rgBT /Ove | 2.2 | 26 |
| 20 | Transcription of Plastid Genes. , 0, , 184-224. | | 24 |
| 21 | Structure and expression characteristics of the chloroplast DNA region containing the split gene for tRNAGly (UCC) from mustard (Sinapis alba L.). Current Genetics, 1994, 26, 557-563. | 1.7 | 23 |
| 22 | A photosynthesis operon in the chloroplast genome drives speciation in evening primroses. Plant Cell, 2021, 33, 2583-2601. | 6.6 | 21 |
| 23 | DNA methylation of the glucocorticoid receptor gene promoter in the placenta is associated with blood pressure regulation in human pregnancy. Journal of Hypertension, 2017, 35, 2276-2286. | 0.5 | 18 |
| 24 | The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. Nutrients, 2022, 14, 2872. | 4.1 | 16 |
| 25 | Development-Dependent Changes in the Amount and Structural Organization of Plastid DNA. Advances in Photosynthesis and Respiration, 2013, , 215-237. | 1.0 | 15 |
| 26 | Transcription and Transcription Regulation in Chloroplasts and Mitochondria of Higher Plants. , 2012, , 297-325. | | 9 |
| 27 | Plastid RNA Polymerases in Higher Plants. , 2001, , 29-49. | | 9 |
| 28 | Transcription in Plant Mitochondria. , 2011, , 85-105. | | 8 |
| 29 | Measurement of Transcription Rates in Arabidopsis Chloroplasts. Methods in Molecular Biology, 2011, 774, 171-182. | 0.9 | 8 |
| 30 | Reverse protection assay: a tool to analyze transcriptional rates from individual promoters. Plant Methods, 2011, 7, 47. | 4.3 | 6 |
| 31 | Novel in Vitro Transcription Assay Indicates that the ACCD Nep Promoter is Contained in a 19 BP Fragment. , 1999, , 79-84. | | 5 |
| 32 | Chloroplast p54 Endoribonuclease. Methods in Enzymology, 2001, 342, 420-428. | 1.0 | 3 |
| 33 | Draft Genome Sequence of Rheinheimera sp. Strain SA_1 Isolated from Iron Backwash Sludge in Germany. Genome Announcements, 2016, 4, . | 0.8 | 3 |
| 34 | In vitro promoter recognition by the catalytic subunit of plant phage-type RNA polymerases. Plant Molecular Biology, 2016, 92, 357-369. | 3.9 | 2 |
| 35 | A Transgenic Approach to Characterize the Plastid Transcription Machinery in Higher Plants. , 1999, , 317-323. | | 1 |