

Lars B Scharff

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7281269/publications.pdf>

Version: 2024-02-01

22
papers

1,000
citations

471509

17
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaches and determinants to sustainably improve crop production. Food and Energy Security, 2023, 12, .	4.3	12
2	CIA2 and CIA2-LIKE are required for optimal photosynthesis and stress responses in <i>Arabidopsis thaliana</i> . Plant Journal, 2021, 105, 619-638.	5.7	20
3	Light-Dependent Translation Change of <i>Arabidopsis</i> psbA Correlates with RNA Structure Alterations at the Translation Initiation Region. Cells, 2021, 10, 322.	4.1	9
4	Secondary Structure of Chloroplast mRNAs In Vivo and In Vitro. Plants, 2020, 9, 323.	3.5	9
5	Engineering of plastids to optimize the production of high-value metabolites and proteins. Current Opinion in Biotechnology, 2019, 59, 8-15.	6.6	28
6	Pausing of Chloroplast Ribosomes Is Induced by Multiple Features and Is Linked to the Assembly of Photosynthetic Complexes. Plant Physiology, 2018, 176, 2557-2569.	4.8	33
7	<i>AtRsgA</i> from <i>Arabidopsis thaliana</i> is important for maturation of the small subunit of the chloroplast ribosome. Plant Journal, 2018, 96, 404-420.	5.7	9
8	CHLOROPLAST RIBOSOME ASSOCIATED Supports Translation under Stress and Interacts with the Ribosomal 30S Subunit. Plant Physiology, 2018, 177, 1539-1554.	4.8	29
9	Shine-Dalgarno Sequences Play an Essential Role in the Translation of Plastid mRNAs in Tobacco. Plant Cell, 2017, 29, 3085-3101.	6.6	40
10	In vivo assembly of DNA-fragments in the moss, <i>Physcomitrella patens</i> . Scientific Reports, 2016, 6, 25030.	3.3	28
11	Synthetic biology in plastids. Plant Journal, 2014, 78, 783-798.	5.7	96
12	Reduced Genomes from Parasitic Plant Plastids: Templates for Minimal Plastomes?. Progress in Botany Fortschritte Der Botanik, 2014, , 97-115.	0.3	2
13	RBF1, a Plant Homolog of the Bacterial Ribosome-Binding Factor RbfA, Acts in Processing of the Chloroplast 16S Ribosomal RNA. Plant Physiology, 2014, 164, 201-215.	4.8	48
14	Synthetic Lethality in the Tobacco Plastid Ribosome and Its Rescue at Elevated Growth Temperatures. Plant Cell, 2014, 26, 765-776.	6.6	24
15	The Contributions of Wobbling and Superwobbling to the Reading of the Genetic Code. PLoS Genetics, 2012, 8, e1003076.	3.5	90
16	Evolutionary constraints on the plastid tRNA set decoding methionine and isoleucine. Nucleic Acids Research, 2012, 40, 6713-6724.	14.5	50
17	Identification of <i>cis</i> -elements conferring high levels of gene expression in non-green plastids. Plant Journal, 2012, 72, 115-128.	5.7	60
18	Nonessential Plastid-Encoded Ribosomal Proteins in Tobacco: A Developmental Role for Plastid Translation and Implications for Reductive Genome Evolution. Plant Cell, 2011, 23, 3137-3155.	6.6	130

#	ARTICLE	IF	CITATIONS
19	Local Absence of Secondary Structure Permits Translation of mRNAs that Lack Ribosome-Binding Sites. PLoS Genetics, 2011, 7, e1002155.	3.5	109
20	Plastid production of protein antibiotics against pneumonia via a new strategy for high-level expression of antimicrobial proteins. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6579-6584.	7.1	100
21	Targeted inactivation of the tobacco plastome origins of replication A and B. Plant Journal, 2007, 50, 782-794.	5.7	34
22	Linear molecules of tobacco ptDNA end at known replication origins and additional loci. Plant Molecular Biology, 2006, 62, 611-621.	3.9	35