Lars B Scharff

List of Publications by Year
in descending order

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

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22	1,000	471509 17	642732 23
papers	citations	h-index	g-index

26	26	26	1369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonessential Plastid-Encoded Ribosomal Proteins in Tobacco: A Developmental Role for Plastid Translation and Implications for Reductive Genome Evolution Â. Plant Cell, 2011, 23, 3137-3155.	6.6	130
2	Local Absence of Secondary Structure Permits Translation of mRNAs that Lack Ribosome-Binding Sites. PLoS Genetics, 2011, 7, e1002155.	3.5	109
3	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
4	Synthetic biology in plastids. Plant Journal, 2014, 78, 783-798.	5.7	96
5	The Contributions of Wobbling and Superwobbling to the Reading of the Genetic Code. PLoS Genetics, 2012, 8, e1003076.	3.5	90
6	Identification of cisâ€elements conferring high levels of gene expression in nonâ€green plastids. Plant Journal, 2012, 72, 115-128.	5.7	60
7	Evolutionary constraints on the plastid tRNA set decoding methionine and isoleucine. Nucleic Acids Research, 2012, 40, 6713-6724.	14.5	50
8	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
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	Linear molecules of tobacco ptDNA end at known replication origins and additional loci. Plant Molecular Biology, 2006, 62, 611-621.	3.9	35
11	Targeted inactivation of the tobacco plastome origins of replication A and B. Plant Journal, 2007, 50, 782-794.	5.7	34
12	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
13	CHLOROPLAST RIBOSOME ASSOCIATED Supports Translation under Stress and Interacts with the Ribosomal 30S Subunit. Plant Physiology, 2018, 177, 1539-1554.	4.8	29
14	In vivo assembly of DNA-fragments in the moss, Physcomitrella patens. Scientific Reports, 2016, 6, 25030.	3.3	28
15	Engineering of plastids to optimize the production of high-value metabolites and proteins. Current Opinion in Biotechnology, 2019, 59, 8-15.	6.6	28
16	Synthetic Lethality in the Tobacco Plastid Ribosome and Its Rescue at Elevated Growth Temperatures. Plant Cell, 2014, 26, 765-776.	6.6	24
17	CIA2 and CIA2â€LIKE are required for optimal photosynthesis and stress responses in Arabidopsis thaliana. Plant Journal, 2021, 105, 619-638.	5.7	20
18	Approaches and determinants to sustainably improve crop production. Food and Energy Security, 2023, 12, .	4.3	12

#	Article	IF	Citations
19	AtRsgA from Arabidopsis thaliana is important for maturation of the small subunit of the chloroplast ribosome. Plant Journal, 2018, 96, 404-420.	5.7	9
20	Secondary Structure of Chloroplast mRNAs In Vivo and In Vitro. Plants, 2020, 9, 323.	3.5	9
21	Light-Dependent Translation Change of Arabidopsis psbA Correlates with RNA Structure Alterations at the Translation Initiation Region. Cells, 2021, 10, 322.	4.1	9
22	Reduced Genomes from Parasitic Plant Plastids: Templates for Minimal Plastomes?. Progress in Botany Fortschritte Der Botanik, 2014, , 97-115.	0.3	2