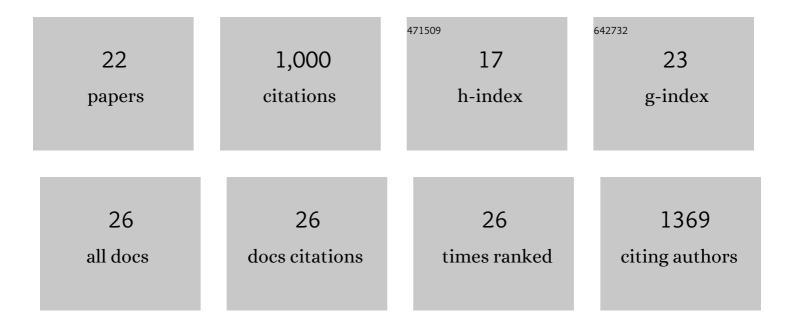
## Lars B Scharff

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7281269/publications.pdf Version: 2024-02-01



| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Nonessential Plastid-Encoded Ribosomal Proteins in Tobacco: A Developmental Role for Plastid<br>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.<br>PLoS Genetics, 2011, 7, e1002155.   | 3.5  | 109       |
| 3  | Plastid production of protein antibiotics against pneumonia via a new strategy for high-level<br>expression of antimicrobial proteins. Proceedings of the National Academy of Sciences of the United<br>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 <i>cis</i> â€elements conferring high levels of gene expression in nonâ€green plastids.<br>Plant Journal, 2012, 72, 115-128.   | 5.7  | 60        |
| 7  | Evolutionary constraints on the plastid tRNA set decoding methionine and isoleucine. Nucleic Acids<br>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<br>Cell, 2017, 29, 3085-3101.  | 6.6  | 40        |
| 10 | Linear molecules of tobacco ptDNA end at known replication origins and additional loci. Plant<br>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<br>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.<br>Plant Cell, 2014, 26, 765-776.  | 6.6  | 24        |
| 17 | CIA2 and CIA2‣IKE are required for optimal photosynthesis and stress responses in <i>Arabidopsis thaliana</i> . 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        |

LARS B SCHARFF

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|----|--|-----|-----------|
| 19 | <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         |
| 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<br>Fortschritte Der Botanik, 2014, , 97-115.               | 0.3 | 2         |