# Linda Hanley-Bowdoin

List of Publications by Year
in descending order



| 75 | 5,517 | 87723 | 88477 |
|---|---|---|---|
| papers | citations | 38 h-index | 70 g-index |

| 82 | 82 | 82 | 3822 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Geminiviruses: masters at redirecting and reprogramming plant processes. Nature Reviews Microbiology, 2013, 11, 777-788. | 13.6 | 601 |
| 2 | Geminiviruses: Models for Plant DNA Replication, Transcription, and Cell Cycle Regulation. Critical Reviews in Plant Sciences, 1999, 18, 71-106. | 2.7 | 452 |
| 3 | Global Analysis of Arabidopsis Gene Expression Uncovers a Complex Array of Changes Impacting Pathogen Response and Cell Cycle during Geminivirus Infection Â. Plant Physiology, 2008, 148, 436-454. | 2.3 | 448 |
| 4 | Geminiviruses: Models for Plant DNA Replication, Transcription, and Cell Cycle Regulation. , 0, . | | 260 |
| 5 | Silencing of a meristematic gene using geminivirus-derived vectors. Plant Journal, 2001, 27, 357-366. | 2.8 | 173 |
| 6 | Synthesis and amino acid composition of basic proteins in mammalian sperm nuclei. Developmental Biology, 1975, 47, 349-365. | 0.9 | 172 |
| 7 | Reprogramming plant gene expression: a prerequisite to geminivirus DNA replication. Molecular Plant Pathology, 2004, 5, 149-156. | 2.0 | 156 |
| 8 | Arabidopsis Protein Kinases GRIK1 and GRIK2 Specifically Activate SnRK1 by Phosphorylating Its Activation Loop Â Â. Plant Physiology, 2009, 150, 996-1005. | 2.3 | 147 |
| 9 | Genome-Wide Analysis of the Core DNA Replication Machinery in the Higher Plants Arabidopsis and Rice. Plant Physiology, 2007, 144, 1697-1714. | 2.3 | 135 |
| 10 | Geminivirus C3 Protein: Replication Enhancement and Protein Interactions. Journal of Virology, 2005, 79, 9885-9895. | 1.5 | 134 |
| 11 | A Geminivirus Replication Protein Interacts with a Protein Kinase and a Motor Protein That Display Different Expression Patterns during Plant Development and Infection. Plant Cell, 2002, 14, 1817-1832. | 3.1 | 133 |
| 12 | Tomato SlSnRK1 Protein Interacts with and Phosphorylates Î²C1, a Pathogenesis Protein Encoded by a Geminivirus Î²-Satellite Â Â Â. Plant Physiology, 2011, 157, 1394-1406. | 2.3 | 129 |
| 13 | Functional Domains of a Geminivirus Replication Protein. Journal of Biological Chemistry, 1997, 272, 9840-9846. | 1.6 | 105 |
| 14 | Functional Analysis of a Novel Motif Conserved across Geminivirus Rep Proteins. Journal of Virology, 2011, 85, 1182-1192. | 1.5 | 101 |
| 15 | Geminivirus Infection Up-Regulates the Expression of Two Arabidopsis Protein Kinases Related to Yeast SNF1- and Mammalian AMPK-Activating Kinases. Plant Physiology, 2006, 142, 1642-1655. | 2.3 | 95 |
| 16 | Cotton Leaf Curl Multan virus C4 protein suppresses both transcriptional and post-transcriptional gene silencing by interacting with SAM synthetase. PLoS Pathogens, 2018, 14, e1007282. | 2.1 | 93 |
| 17 | Conserved Sequence and Structural Motifs Contribute to the DNA Binding and Cleavage Activities of a Geminivirus Replication Protein. Journal of Biological Chemistry, 1998, 273, 24448-24456. | 1.6 | 91 |
| 18 | Proliferating Cell Nuclear Antigen Transcription Is Repressed through an E2F Consensus Element and Activated by Geminivirus Infection in Mature Leaves. Plant Cell, 2001, 13, 1437-1452. | 3.1 | 91 |

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|---|---|---|---|
| 19 | Two E2F Elements Regulate the Proliferating Cell Nuclear Antigen Promoter Differently during Leaf Development. Plant Cell, 2002, 14, 3225-3236. | 3.1 | 84 |
| 20 | A Novel Motif in Geminivirus Replication Proteins Interacts with the Plant Retinoblastoma-Related Protein. Journal of Virology, 2004, 78, 4817-4826. | 1.5 | 82 |
| 21 | Chloroplast promoters. Trends in Biochemical Sciences, 1987, 12, 67-70. | 3.7 | 76 |
| 22 | MultipleCisElements Contribute to Geminivirus Origin Function. Virology, 1998, 242, 346-356. | 1.1 | 75 |
| 23 | In vitro transcription of chloroplast protein genes. Methods in Enzymology, 1986, 118, 232-253. | 0.4 | 70 |
| 24 | Peptide Aptamers That Bind to Geminivirus Replication Proteins Confer a Resistance Phenotype to Tomato Yellow Leaf Curl Virus and Tomato Mottle Virus Infection in Tomato. Journal of Virology, 2013, 87, 9691-9706. | 1.5 | 69 |
| 25 | A plant DNA virus replicates in the salivary glands of its insect vector via recruitment of host DNA synthesis machinery. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16928-16937. | 3.3 | 69 |
| 26 | Interaction between Geminivirus Replication Protein and the SUMO-Conjugating Enzyme Is Required for Viral Infection. Journal of Virology, 2011, 85, 9789-9800. | 1.5 | 68 |
| 27 | The Multifunctional Character of a Geminivirus Replication Protein Is Reflected by Its Complex Oligomerization Properties. Journal of Biological Chemistry, 2000, 275, 6114-6122. | 1.6 | 66 |
| 28 | Dual Interaction of a Geminivirus Replication Accessory Factor with a Viral Replication Protein and a Plant Cell Cycle Regulator. Virology, 2001, 279, 570-576. | 1.1 | 65 |
| 29 | Arabidopsis thaliana Chromosome 4 Replicates in Two Phases That Correlate with Chromatin State. PLoS Genetics, 2010, 6, e1000982. | 1.5 | 65 |
| 30 | Host DNA Replication Is Induced by Geminivirus Infection of Differentiated Plant Cells. Plant Cell, 2002, 14, 2995-3007. | 3.1 | 57 |
| 31 | Dynamic Localization of the DNA Replication Proteins MCM5 and MCM7 in Plants Â Â. Plant Physiology, 2009, 150, 658-669. | 2.3 | 57 |
| 32 | Cotton leaf curl Multan virus Î²C1 Protein Induces Autophagy by Disrupting the Interaction of Autophagy-Related Protein 3 with Glyceraldehyde-3-Phosphate Dehydrogenases[OPEN]. Plant Cell, 2020, 32, 1124-1135. | 3.1 | 55 |
| 33 | SnRK1 Phosphorylation of AL2 Delays Cabbage Leaf Curl Virus Infection in Arabidopsis. Journal of Virology, 2014, 88, 10598-10612. | 1.5 | 54 |
| 34 | A calmodulin-binding transcription factor links calcium signaling to antiviral RNAi defense in plants. Cell Host and Microbe, 2021, 29, 1393-1406.e7. | 5.1 | 54 |
| 35 | Peptide Aptamers That Bind to a Geminivirus Replication Protein Interfere with Viral Replication in Plant Cells. Journal of Virology, 2006, 80, 5841-5853. | 1.5 | 51 |
| 36 | Two Domains of the AL1 Protein Mediate Geminivirus Origin Recognition. Virology, 1997, 239, 186-197. | 1.1 | 49 |

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| 37 | The E2FD/DEL2 factor is a component of a regulatory network controlling cell proliferation and development in Arabidopsis. Plant Molecular Biology, 2010, 72, 381-395. | 2.0 | 48 |
| 38 | A novel protein programmed by the mRNA conserved in dry wheat embryos. The principal site of cysteine incorporation during early germination. FEBS Journal, 1983, 135, 9-15. | 0.2 | 42 |
| 39 | Geminivirus Replication Origins Have a Modular Organization. Plant Cell, 1994, 6, 405. | 3.1 | 39 |
| 40 | Geminiviral V2 Protein Suppresses Transcriptional Gene Silencing through Interaction with AGO4. Journal of Virology, 2019, 93, . | 1.5 | 38 |
| 41 | Genome-Wide Analysis of the Arabidopsis Replication Timing Program. Plant Physiology, 2018, 176, 2166-2185. | 2.3 | 36 |
| 42 | Loss of Small-RNA-Directed DNA Methylation in the Plant Cell Cycle Promotes Germline Reprogramming and Somaclonal Variation. Current Biology, 2021, 31, 591-600.e4. | 1.8 | 36 |
| 43 | Sucrose Nonfermenting 1-Related Protein Kinase 1 Phosphorylates a Geminivirus Rep Protein to Impair Viral Replication and Infection. Plant Physiology, 2018, 178, 372-389. | 2.3 | 34 |
| 44 | A maize root tip system to study DNA replication programmes in somatic and endocycling nuclei during plant development. Journal of Experimental Botany, 2014, 65, 2747-2756. | 2.4 | 32 |
| 45 | Defining multiple, distinct, and shared spatiotemporal patterns of DNA replication and endoreduplication from 3D image analysis of developing maize (Zea mays L.) root tip nuclei. Plant Molecular Biology, 2015, 89, 339-351. | 2.0 | 31 |
| 46 | A Geminivirus Replication Protein Is a Sequence-Specific DNA Binding Protein. Plant Cell, 1992, 4, 597. | 3.1 | 29 |
| 47 | A DNA Sequence Required for Geminivirus Replication Also Mediates Transcriptional Regulation. Plant Cell, 1994, 6, 1157. | 3.1 | 29 |
| 48 | High-Frequency Reversion of Geminivirus Replication Protein Mutants during Infection. Journal of Virology, 2007, 81, 11005-11015. | 1.5 | 29 |
| 49 | Diacylglycerol acyltransferase 1 is activated by phosphatidate and inhibited by SnRK1â€catalyzed phosphorylation. Plant Journal, 2018, 96, 287-299. | 2.8 | 29 |
| 50 | Two Novel DNAs That Enhance Symptoms and Overcome CMD2 Resistance to Cassava Mosaic Disease. Journal of Virology, 2016, 90, 4160-4173. | 1.5 | 28 |
| 51 | Genomic Analysis of the DNA Replication Timing Program during Mitotic S Phase in Maize (<i>Zea) Tj ETQq1 1 0.784314 rgBT /Overlo | 3.1 | 28 |
| 52 | A flow cytometric method for estimating S-phase duration in plants. Journal of Experimental Botany, 2016, 67, 6077-6087. | 2.4 | 24 |
| 53 | A trichloroacetic acid-acetone method greatly reduces infrared autofluorescence of protein extracts from plant tissue. Plant Molecular Biology Reporter, 2005, 23, 405-409. | 1.0 | 23 |
| 54 | Establishment of rapidly proliferating rice cell suspension culture and its characterization by fluorescence-activated cell sorting analysis. Plant Molecular Biology Reporter, 2004, 22, 259-267. | 1.0 | 21 |

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| 55 | In Vivo Mapping of Arabidopsis Scaffold/Matrix Attachment Regions Reveals Link to Nucleosome-Disfavoring Poly(dA:dT) Tracts. Plant Cell, 2014, 26, 102-120. | 3.1 | 19 |
| 56 | Molecular Characterization of the AL3 Protein Encoded by a Bipartite Geminivirus. Virology, 1994, 202, 1070-1075. | 1.1 | 18 |
| 57 | A VIGS screen identifies immunity in the Arabidopsis Plaâ€1 accession to viruses in two different genera of the Geminiviridae. Plant Journal, 2017, 92, 796-807. | 2.8 | 16 |
| 58 | Repliscan: a tool for classifying replication timing regions. BMC Bioinformatics, 2017, 18, 362. | 1.2 | 15 |
| 59 | Transcriptional interaction between the promoters of the maize chloroplast genes which encode the Î² subunit of ATP synthase and the large subunit of ribulose 1,5-bisphosphate carboxylase. Molecular Genetics and Genomics, 1989, 215, 217-224. | 2.4 | 14 |
| 60 | Population diversity of cassava mosaic begomoviruses increases over the course of serial vegetative propagation. Journal of General Virology, 2021, 102, . | 1.3 | 14 |
| 61 | Isolation of Plant Nuclei at Defined Cell Cycle Stages Using EdU Labeling and Flow Cytometry. Methods in Molecular Biology, 2016, 1370, 69-86. | 0.4 | 14 |
| 62 | Early detection of plant virus infection using multispectral imaging and spatialâ€“spectral machine learning. Scientific Reports, 2022, 12, 3113. | 1.6 | 13 |
| 63 | Functional Expression of the Leftward Open Reading Frames of the A Component of Tomato Golden Mosaic Virus in Transgenic Tobacco Plants. Plant Cell, 1989, 1, 1057. | 3.1 | 12 |
| 64 | Transcription of the wheat chloroplast gene that encodes the 32 kd polypeptide. Plant Molecular Biology, 1988, 10, 303-310. | 2.0 | 11 |
| 65 | SnRK1: a versatile plant protein kinase that limits geminivirus infection. Current Opinion in Virology, 2021, 47, 18-24. | 2.6 | 11 |
| 66 | An experimental strategy for preparing circular ssDNA virus genomes for next-generation sequencing. Journal of Virological Methods, 2022, 300, 114405. | 1.0 | 10 |
| 67 | Arabidopsis DNA Replication Initiates in Intergenic, AT-Rich Open Chromatin. Plant Physiology, 2020, 183, 206-220. | 2.3 | 9 |
| 68 | Deeply Sequenced Infectious Clones of Key Cassava Begomovirus Isolates from Cameroon. Microbiology Resource Announcements, 2020, 9, . | 0.3 | 7 |
| 69 | A New Type of Satellite Associated with Cassava Mosaic Begomoviruses. Journal of Virology, 2021, 95, e0043221. | 1.5 | 7 |
| 70 | Chromatin structure profile data from DNS-seq: Differential nuclease sensitivity mapping of four reference tissues of B73 maize (Zea mays L). Data in Brief, 2018, 20, 358-363. | 0.5 | 5 |
| 71 | Isolation of Peptide Aptamers to Target Protein Function. Methods in Molecular Biology, 2009, 535, 333-360. | 0.4 | 5 |
| 72 | CHAPTER 7: Cassava Viruses: Epidemiology, Evolution, and Management. , 2020, , 133-157. | | 4 |

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| 73 | Comparing DNA replication programs reveals large timing shifts at centromeres of endocycling cells in maize roots. PLoS Genetics, 2020, 16, e1008623. | 1.5 | 4 |
| 74 | A Geminivirus Induces Expression of a Host DNA Synthesis Protein in Terminally Differentiated Plant Cells. Plant Cell, 1995, 7, 705. | 3.1 | 0 |
| 75 | A Protocol for Genome-Wide Analysis of DNA Replication Timing in Intact Root Tips. Methods in Molecular Biology, 2022, 2382, 29-72. | 0.4 | 0 |