

Alexandra Lusser

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,582
citations

201385

27
h-index

143772

57
g-index

63
all docs

63
docs citations

63
times ranked

4829
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Synthesis of 4-thiouridines with prodrug functionalization for RNA metabolic labeling. <i>RSC Chemical Biology</i> , 2022, 3, 447-455. | 2.0 | 4 |
| 2 | Towards a comprehensive understanding of RNA deamination: synthesis and properties of xanthosine-modified RNA. <i>Nucleic Acids Research</i> , 2022, 50, 6038-6051. | 6.5 | 7 |
| 3 | CHD1 controls H3.3 incorporation in adult brain chromatin to maintain metabolic homeostasis and normal lifespan. <i>Cell Reports</i> , 2021, 37, 109769. | 2.9 | 10 |
| 4 | Spt6 is a maintenance factor for centromeric CENP-A. <i>Nature Communications</i> , 2020, 11, 2919. | 5.8 | 30 |
| 5 | Thioguanosine Conversion Enables mRNA Lifetime Evaluation by RNA Sequencing Using Double Metabolic Labeling (TUC-seq DUAL). <i>Angewandte Chemie</i> , 2020, 132, 6948-6953. | 1.6 | 3 |
| 6 | Thioguanosine Conversion Enables mRNA Lifetime Evaluation by RNA Sequencing Using Double Metabolic Labeling (TUC-seq DUAL). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6881-6886. | 7.2 | 26 |
| 7 | Thiouridine-to-Cytidine Conversion Sequencing (TUC-Seq) to Measure mRNA Transcription and Degradation Rates. <i>Methods in Molecular Biology</i> , 2020, 2062, 191-211. | 0.4 | 19 |
| 8 | DNA Sequence Is a Major Determinant of Tetrasome Dynamics. <i>Biophysical Journal</i> , 2019, 117, 2217-2227. | 0.2 | 8 |
| 9 | Phosphorylation of Drosophila CENP-A on serine 20 regulates protein turn-over and centromere-specific loading. <i>Nucleic Acids Research</i> , 2019, 47, 10754-10770. | 6.5 | 10 |
| 10 | Getting a hold on cytosine methylation in mRNA. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 339-340. | 3.6 | 7 |
| 11 | Role for Chromatin Remodeling Factor Chd1 in Learning and Memory. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 3. | 1.4 | 13 |
| 12 | Bisulfite Sequencing of RNA for Transcriptome-Wide Detection of 5-Methylcytosine. <i>Methods in Molecular Biology</i> , 2019, 1870, 1-21. | 0.4 | 8 |
| 13 | The dynamic RNA modification 5-methylcytosine and its emerging role as an epitranscriptomic mark. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1510. | 3.2 | 236 |
| 14 | Modification of the histone tetramer at the H3-H3 interface impacts tetrasome conformations and dynamics. <i>Journal of Chemical Physics</i> , 2018, 148, 123323. | 1.2 | 14 |
| 15 | RNA cytosine methyltransferase Nsun3 regulates embryonic stem cell differentiation by promoting mitochondrial activity. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1483-1497. | 2.4 | 43 |
| 16 | Superior cellular activities of azido- over amino-functionalized ligands for engineered preQ ₁ riboswitches in <i>E.coli</i> . <i>RNA Biology</i> , 2018, 15, 1376-1383. | 1.5 | 11 |
| 17 | Distinct 5-methylcytosine profiles in poly(A) RNA from mouse embryonic stem cells and brain. <i>Genome Biology</i> , 2017, 18, 1. | 3.8 | 587 |
| 18 | Detection of 5-Methylcytosine in Specific Poly(A) RNAs by Bisulfite Sequencing. <i>Methods in Molecular Biology</i> , 2017, 1562, 107-121. | 0.4 | 9 |

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|----|---|-----|-----------|
| 19 | Transcriptome-Wide Detection of 5-Methylcytosine by Bisulfite Sequencing. <i>Methods in Molecular Biology</i> , 2017, 1562, 123-142. | 0.4 | 3 |
| 20 | Osmium-Mediated Transformation of 4-Thiouridine to Cytidine as Key To Study RNA Dynamics by Sequencing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13479-13483. | 7.2 | 73 |
| 21 | Osmium-Mediated Transformation of 4-Thiouridine to Cytidine as Key To Study RNA Dynamics by Sequencing. <i>Angewandte Chemie</i> , 2017, 129, 13664-13668. | 1.6 | 7 |
| 22 | Synthesis, Thermodynamic Properties, and Crystal Structure of RNA Oligonucleotides Containing 5-Hydroxymethylcytosine. <i>Journal of Organic Chemistry</i> , 2017, 82, 7939-7945. | 1.7 | 8 |
| 23 | Changes in the miRNA-mRNA Regulatory Network Precede Motor Symptoms in a Mouse Model of Multiple System Atrophy: Clinical Implications. <i>PLoS ONE</i> , 2016, 11, e0150705. | 1.1 | 26 |
| 24 | Impact of the Chromatin Remodeling Factor CHD1 on Gut Microbiome Composition of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2016, 11, e0153476. | 1.1 | 11 |
| 25 | Investigating the Handedness Dynamics of Tetrasomes. <i>Biophysical Journal</i> , 2016, 110, 562a. | 0.2 | 0 |
| 26 | Dysregulation of select ATP-dependent chromatin remodeling factors in high trait anxiety. <i>Behavioural Brain Research</i> , 2016, 311, 141-146. | 1.2 | 14 |
| 27 | A novel role for the histone acetyltransferase Hat1 in the CENP-A/CID assembly pathway in <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> , 2016, 44, 2145-2159. | 6.5 | 34 |
| 28 | Recent insights from in vitro single-molecule studies into nucleosome structure and dynamics. <i>Biophysical Reviews</i> , 2016, 8, 33-49. | 1.5 | 34 |
| 29 | meRanTK: methylated RNA analysis ToolKit. <i>Bioinformatics</i> , 2016, 32, 782-785. | 1.8 | 59 |
| 30 | Embryonic stem cell differentiation requires full length Chd1. <i>Scientific Reports</i> , 2015, 5, 8007. | 1.6 | 23 |
| 31 | Impaired Contextual Fear Extinction Learning is Associated with Aberrant Regulation of CHD-Type Chromatin Remodeling Factors. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 313. | 1.0 | 9 |
| 32 | Comparing the Assembly and Handedness Dynamics of (H3.3-H4) ₂ Tetrasomes to Canonical Tetrasomes. <i>PLoS ONE</i> , 2015, 10, e0141267. | 1.1 | 13 |
| 33 | Nucleosome Assembly Dynamics Involve Spontaneous Fluctuations in the Handedness of Tetrasomes. <i>Cell Reports</i> , 2015, 10, 216-225. | 2.9 | 48 |
| 34 | Dynamics of Nucleosomal Structures Measured by High-Speed Atomic Force Microscopy. <i>Small</i> , 2015, 11, 976-984. | 5.2 | 34 |
| 35 | Differential Neuronal Targeting of a New and Two Known Calcium Channel β_4 Subunit Splice Variants Correlates with Their Regulation of Gene Expression. <i>Journal of Neuroscience</i> , 2014, 34, 1446-1461. | 1.7 | 35 |
| 36 | Long non-coding RNAs as targets for cytosine methylation. <i>RNA Biology</i> , 2013, 10, 1002-1008. | 1.5 | 138 |

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|----|--|-----|-----------|
| 37 | Non-destructive species identification of <i>Drosophila obscura</i> and <i>D. subobscura</i> (Diptera) using near-infrared spectroscopy. <i>Fly</i> , 2012, 6, 284-289. | 0.9 | 23 |
| 38 | CHD1 Contributes to Intestinal Resistance against Infection by <i>P. aeruginosa</i> in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2012, 7, e43144. | 1.1 | 12 |
| 39 | NAP1-Assisted Nucleosome Assembly on DNA Measured in Real Time by Single-Molecule Magnetic Tweezers. <i>PLoS ONE</i> , 2012, 7, e46306. | 1.1 | 29 |
| 40 | ATP-Dependent Chromatin Remodeling Factors and Their Roles in Affecting Nucleosome Fiber Composition. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6544-6565. | 1.8 | 18 |
| 41 | The chromodomains of CHD1 are critical for enzymatic activity but less important for chromatin localization. <i>Nucleic Acids Research</i> , 2011, 39, 3103-3115. | 6.5 | 39 |
| 42 | CenH3/CID Incorporation Is Not Dependent on the Chromatin Assembly Factor CHD1 in <i>Drosophila</i> . <i>PLoS ONE</i> , 2010, 5, e10120. | 1.1 | 19 |
| 43 | ATP-dependent Chromatin Remodeling Enzymes and their Various Roles in Cell Cycle Control. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5522. | 3.0 | 13 |
| 44 | CHD1 Motor Protein Is Required for Deposition of Histone Variant H3.3 into Chromatin in Vivo. <i>Science</i> , 2007, 317, 1087-1090. | 6.0 | 217 |
| 45 | Distinct activities of CHD1 and ACF in ATP-dependent chromatin assembly. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 160-166. | 3.6 | 240 |
| 46 | A Conserved N-terminal Motif in Rad54 Is Important for Chromatin Remodeling and Homologous Strand Pairing. <i>Journal of Biological Chemistry</i> , 2004, 279, 27824-27829. | 1.6 | 38 |
| 47 | Strategies for the reconstitution of chromatin. <i>Nature Methods</i> , 2004, 1, 19-26. | 9.0 | 87 |
| 48 | A maize histone deacetylase and retinoblastoma-related protein physically interact and cooperate in repressing gene transcription. <i>Plant Molecular Biology</i> , 2003, 51, 401-413. | 2.0 | 61 |
| 49 | Chromatin remodeling by ATP-dependent molecular machines. <i>BioEssays</i> , 2003, 25, 1192-1200. | 1.2 | 298 |
| 50 | Regulation and Processing of Maize Histone Deacetylase Hda1 by Limited Proteolysis. <i>Plant Cell</i> , 2003, 15, 1904-1917. | 3.1 | 19 |
| 51 | Acetylated, methylated, remodeled: chromatin states for gene regulation. <i>Current Opinion in Plant Biology</i> , 2002, 5, 437-443. | 3.5 | 60 |
| 52 | Title is missing!. <i>Cell Biology International</i> , 2002, 26, 1-7. | 1.4 | 0 |
| 53 | MOLECULAR IDENTIFICATION OF PpHDAC1, THE FIRST HISTONE DEACETYLASE FROM THE SLIME MOLD <i>PHYSARUM POLYCEPHALUM</i> . <i>Cell Biology International</i> , 2002, 26, 783-789. | 1.4 | 4 |
| 54 | Histone acetylation: lessons from the plant kingdom. <i>Trends in Plant Science</i> , 2001, 6, 59-65. | 4.3 | 155 |

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|----|---|-----|-----------|
| 55 | Comparative analysis of HD2 type histone deacetylases in higher plants. <i>Planta</i> , 2001, 213, 280-285. | 1.6 | 83 |
| 56 | RPD3-Type Histone Deacetylases in Maize Embryos. <i>Biochemistry</i> , 2000, 39, 1683-1692. | 1.2 | 67 |
| 57 | Biochemical Methods for Analysis of Histone Deacetylases. <i>Methods</i> , 1998, 15, 323-331. | 1.9 | 127 |
| 58 | Identification of Maize Histone Deacetylase HD2 as an Acidic Nucleolar Phosphoprotein. <i>Science</i> , 1997, 277, 88-91. | 6.0 | 225 |
| 59 | Purification and Characterization of a High Molecular Weight Histone Deacetylase Complex (HD2) of Maize Embryos. <i>Biochemistry</i> , 1996, 35, 15907-15914. | 1.2 | 66 |
| 60 | A comparative study of histone deacetylases of plant, fungal and vertebrate cells. <i>BBA - Proteins and Proteomics</i> , 1996, 1296, 181-188. | 2.1 | 66 |