# Heinrich Leonhardt

List of Publications by Year
in descending order

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|---|---|---|---|
| 187 papers | 22,969 citations | 12322 69 h-index | 9334 143 g-index |
| 203 all docs | 203 docs citations | 203 times ranked | 28709 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Induction of Tumors in Mice by Genomic Hypomethylation. Science, 2003, 300, 489-492. | 6.0 | 1,393 |
| 2 | A guide to super-resolution fluorescence microscopy. Journal of Cell Biology, 2010, 190, 165-175. | 2.3 | 1,131 |
| 3 | Comparative Analysis of Single-Cell RNA Sequencing Methods. Molecular Cell, 2017, 65, 631-643.e4. | 4.5 | 1,131 |
| 4 | Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy. Science, 2008, 320, 1332-1336. | 6.0 | 1,016 |
| 5 | A targeting sequence directs DNA methyltransferase to sites of DNA replication in mammalian nuclei. Cell, 1992, 71, 865-873. | 13.5 | 946 |
| 6 | Dynamic Readers for 5-(Hydroxy)Methylcytosine and Its Oxidized Derivatives. Cell, 2013, 152, 1146-1159. | 13.5 | 888 |
| 7 | LBR and Lamin A/C Sequentially Tether Peripheral Heterochromatin and Inversely Regulate Differentiation. Cell, 2013, 152, 584-598. | 13.5 | 681 |
| 8 | A Versatile Nanotrap for Biochemical and Functional Studies with Fluorescent Fusion Proteins. Molecular and Cellular Proteomics, 2008, 7, 282-289. | 2.5 | 616 |
| 9 | Targeting and tracing antigens in live cells with fluorescent nanobodies. Nature Methods, 2006, 3, 887-889. | 9.0 | 613 |
| 10 | Dynamics of DNA Replication Factories in Living Cells. Journal of Cell Biology, 2000, 149, 271-280. | 2.3 | 521 |
| 11 | Modulation of protein properties in living cells using nanobodies. Nature Structural and Molecular Biology, 2010, 17, 133-138. | 3.6 | 494 |
| 12 | Heterochromatin drives compartmentalization of inverted and conventional nuclei. Nature, 2019, 570, 395-399. | 13.7 | 464 |
| 13 | Cortical Constriction During Abscission Involves Helices of ESCRT-IIIâ€“Dependent Filaments. Science, 2011, 331, 1616-1620. | 6.0 | 444 |
| 14 | Identifying specific protein interaction partners using quantitative mass spectrometry and bead proteomes. Journal of Cell Biology, 2008, 183, 223-239. | 2.3 | 404 |
| 15 | Sensitive enzymatic quantification of 5-hydroxymethylcytosine in genomic DNA. Nucleic Acids Research, 2010, 38, e181-e181. | 6.5 | 385 |
| 16 | Reversal of terminal differentiation and control of DNA replication: Cyclin A and cdk2 specifically localize at subnuclear sites of DNA replication. Cell, 1993, 74, 979-992. | 13.5 | 379 |
| 17 | cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming proteinâ€“DNA ladders. Nature, 2017, 549, 394-398. | 13.7 | 346 |
| 18 | Recruitment of DNA methyltransferase I to DNA repair sites. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8905-8909. | 3.3 | 299 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Feedback-regulated poly(ADP-ribosyl)ation by PARP-1 is required for rapid response to DNA damage in living cells. Nucleic Acids Research, 2007, 35, 7665-7675. | 6.5 | 271 |
| 20 | Tet oxidizes thymine to 5-hydroxymethyluracil in mouse embryonic stem cell DNA. Nature Chemical Biology, 2014, 10, 574-581. | 3.9 | 270 |
| 21 | Cell-permeable nanobodies for targeted immunolabelling and antigen manipulation in living cells. Nature Chemistry, 2017, 9, 762-771. | 6.6 | 216 |
| 22 | BigStitcher: reconstructing high-resolution image datasets of cleared and expanded samples. Nature Methods, 2019, 16, 870-874. | 9.0 | 214 |
| 23 | Methyl CpGâ€“binding proteins induce large-scale chromatin reorganization during terminal differentiation. Journal of Cell Biology, 2005, 169, 733-743. | 2.3 | 206 |
| 24 | DNA methylation requires a DNMT1 ubiquitin interacting motif (UIM) and histone ubiquitination. Cell Research, 2015, 25, 911-929. | 5.7 | 201 |
| 25 | Dynamics of Dnmt1 interaction with the replication machinery and its role in postreplicative maintenance of DNA methylation. Nucleic Acids Research, 2007, 35, 4301-4312. | 6.5 | 200 |
| 26 | DNA Polymerase Clamp Shows Little Turnover at Established Replication Sites but Sequential De Novo Assembly at Adjacent Origin Clusters. Molecular Cell, 2002, 10, 1355-1365. | 4.5 | 197 |
| 27 | Nanobodies and recombinant binders in cell biology. Journal of Cell Biology, 2015, 209, 633-644. | 2.3 | 195 |
| 28 | CDK9-dependent RNA polymerase II pausing controls transcription initiation. ELife, 2017, 6, . | 2.8 | 179 |
| 29 | Targeted transcriptional activation of silent oct4 pluripotency gene by combining designer TALEs and inhibition of epigenetic modifiers. Nucleic Acids Research, 2012, 40, 5368-5377. | 6.5 | 178 |
| 30 | p53 down-regulates SARS coronavirus replication and is targeted by the SARS-unique domain and PL <sup>pro</sup> via E3 ubiquitin ligase RCHY1. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5192-201. | 3.3 | 172 |
| 31 | DNMT1 but not its interaction with the replication machinery is required for maintenance of DNA methylation in human cells. Journal of Cell Biology, 2007, 176, 565-571. | 2.3 | 171 |
| 32 | Nanobodies: Chemical Functionalization Strategies and Intracellular Applications. Angewandte Chemie - International Edition, 2018, 57, 2314-2333. | 7.2 | 170 |
| 33 | Np95 interacts with de novo DNA methyltransferases, Dnmt3a and Dnmt3b, and mediates epigenetic silencing of the viral CMV promoter in embryonic stem cells. EMBO Reports, 2009, 10, 1259-1264. | 2.0 | 167 |
| 34 | DNA Methyltransferase Is Actively Retained in the Cytoplasm during Early Development. Journal of Cell Biology, 1999, 147, 25-32. | 2.3 | 164 |
| 35 | Recognition of 5-Hydroxymethylcytosine by the Uhrf1 SRA Domain. PLoS ONE, 2011, 6, e21306. | 1.1 | 159 |
| 36 | Replicationâ€independent chromatin loading of Dnmt1 during G2 and M phases. EMBO Reports, 2004, 5, 1181-1186. | 2.0 | 156 |

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|---|---|---|---|
| 37 | Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. Molecular Cell, 2017, 67, 550-565.e5. | 4.5 | 151 |
| 38 | Three-dimensional super-resolution microscopy of the inactive X chromosome territory reveals a collapse of its active nuclear compartment harboring distinct Xist RNA foci. Epigenetics and Chromatin, 2014, 7, 8. | 1.8 | 148 |
| 39 | Visualization of specific DNA sequences in living mouse embryonic stem cells with a programmable fluorescent CRISPR/Cas system. Nucleus, 2014, 5, 163-172. | 0.6 | 146 |
| 40 | Identification of the elementary structural units of the DNA damage response. Nature Communications, 2017, 8, 15760. | 5.8 | 141 |
| 41 | Visualization and targeted disruption of protein interactions in living cells. Nature Communications, 2013, 4, 2660. | 5.8 | 140 |
| 42 | The multi-domain protein Np95 connects DNA methylation and histone modification. Nucleic Acids Research, 2010, 38, 1796-1804. | 6.5 | 139 |
| 43 | MeCP2 interacts with HP1 and modulates its heterochromatin association during myogenic differentiation. Nucleic Acids Research, 2007, 35, 5402-5408. | 6.5 | 137 |
| 44 | Usp7 and Uhrf1 control ubiquitination and stability of the maintenance DNA methyltransferase Dnmt1. Journal of Cellular Biochemistry, 2011, 112, 439-444. | 1.2 | 134 |
| 45 | Rad50-CARD9 interactions link cytosolic DNA sensing to IL-1Î² production. Nature Immunology, 2014, 15, 538-545. | 7.0 | 132 |
| 46 | Trapped in action: direct visualization of DNA methyltransferase activity in living cells. Nature Methods, 2005, 2, 751-756. | 9.0 | 124 |
| 47 | A protein assembly mediates Xist localization and gene silencing. Nature, 2020, 587, 145-151. | 13.7 | 123 |
| 48 | Current Status: Site-Specific Antibody Drug Conjugates. Journal of Clinical Immunology, 2016, 36, 100-107. | 2.0 | 120 |
| 49 | DNA methylationâ€mediated epigenetic control. Journal of Cellular Biochemistry, 2009, 108, 43-51. | 1.2 | 111 |
| 50 | CENP-C facilitates the recruitment of M18BP1 to centromeric chromatin. Nucleus, 2012, 3, 101-110. | 0.6 | 111 |
| 51 | Roquin Suppresses the PI3K-mTOR Signaling Pathway to Inhibit T Helper Cell Differentiation and Conversion of Treg to Tfr Cells. Immunity, 2017, 47, 1067-1082.e12. | 6.6 | 109 |
| 52 | PARG is recruited to DNA damage sites through poly(ADP-ribose)- and PCNA-dependent mechanisms. Nucleic Acids Research, 2011, 39, 5045-5056. | 6.5 | 108 |
| 53 | Interactions within the mammalian DNA methyltransferase family. BMC Molecular Biology, 2003, 4, 7. | 3.0 | 106 |
| 54 | Identification and characterization of two novel primate-specific histone H3 variants, H3.X and H3.Y. Journal of Cell Biology, 2010, 190, 777-791. | 2.3 | 106 |

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|---|---|---|---|
| 55 | Phosphorylation of TET Proteins Is Regulated via O-GlcNAcylation by the O-Linked N-Acetylglucosamine Transferase (OGT). Journal of Biological Chemistry, 2015, 290, 4801-4812. | 1.6 | 102 |
| 56 | PCNA acts as a stationary loading platform for transiently interacting Okazaki fragment maturation proteins. Nucleic Acids Research, 2005, 33, 3521-3528. | 6.5 | 95 |
| 57 | Mapping and Use of a Sequence that Targets DNA Ligase I to Sites of DNA Replication In Vivo. Journal of Cell Biology, 1997, 139, 579-587. | 2.3 | 90 |
| 58 | Stable chromosomal units determine the spatial and temporal organization of DNA replication. Journal of Cell Science, 2004, 117, 5353-5365. | 1.2 | 89 |
| 59 | Differential recruitment of DNA Ligase I and III to DNA repair sites. Nucleic Acids Research, 2006, 34, 3523-3532. | 6.5 | 88 |
| 60 | Different Binding Properties and Function of CXXC Zinc Finger Domains in Dnmt1 and Tet1. PLoS ONE, 2011, 6, e16627. | 1.1 | 87 |
| 61 | DNA methylation, nuclear structure, gene expression and cancer. Journal of Cellular Biochemistry, 2000, 79, 78-83. | 1.2 | 86 |
| 62 | Regulation of DNA methyltransferase 1 by interactions and modifications. Nucleus, 2011, 2, 392-402. | 0.6 | 86 |
| 63 | FUS-dependent liquidâ€“liquid phase separation is important for DNA repair initiation. Journal of Cell Biology, 2021, 220, . | 2.3 | 86 |
| 64 | Probing Intranuclear Environments at the Single-Molecule Level. Biophysical Journal, 2008, 94, 2847-2858. | 0.2 | 85 |
| 65 | Versatile and Efficient Siteâ€Specific Protein Functionalization by Tubulin Tyrosine Ligase. Angewandte Chemie - International Edition, 2015, 54, 13787-13791. | 7.2 | 82 |
| 66 | Two distinct modes of DNMT1 recruitment ensure stable maintenance DNA methylation. Nature Communications, 2020, 11, 1222. | 5.8 | 82 |
| 67 | A Fluorescent Two-hybrid Assay for Direct Visualization of Protein Interactions in Living Cells. Molecular and Cellular Proteomics, 2008, 7, 2279-2287. | 2.5 | 81 |
| 68 | TET-mediated oxidation of methylcytosine causes TDG or NEIL glycosylase dependent gene reactivation. Nucleic Acids Research, 2014, 42, 8592-8604. | 6.5 | 79 |
| 69 | Universal Superâ€Resolution Multiplexing by DNA Exchange. Angewandte Chemie - International Edition, 2017, 56, 4052-4055. | 7.2 | 79 |
| 70 | Growth hormone receptor-deficient pigs resemble the pathophysiology of human Laron syndrome and reveal altered activation of signaling cascades in the liver. Molecular Metabolism, 2018, 11, 113-128. | 3.0 | 79 |
| 71 | Structure and function of the mouse DNA methyltransferase gene: Dnmt1 shows a tripartite structure. Journal of Molecular Biology, 2000, 297, 293-300. | 2.0 | 78 |
| 72 | Cysteineâ€Selective Phosphonamidate Electrophiles for Modular Protein Bioconjugations. Angewandte Chemie - International Edition, 2019, 58, 11625-11630. | 7.2 | 76 |

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|---|---|---|---|
| 73 | Discontinuous movement of mRNP particles in nucleoplasmic regions devoid of chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20291-20296. | 3.3 | 74 |
| 74 | MeCP2 Rett mutations affect large scale chromatin organization. Human Molecular Genetics, 2011, 20, 4187-4195. | 1.4 | 72 |
| 75 | Quantitative 3D structured illumination microscopy of nuclear structures. Nature Protocols, 2017, 12, 1011-1028. | 5.5 | 72 |
| 76 | XRCC1 and PCNA are loading platforms with distinct kinetic properties and different capacities to respond to multiple DNA lesions. BMC Molecular Biology, 2007, 8, 81. | 3.0 | 66 |
| 77 | Differentiation and large scale spatial organization of the genome. Current Opinion in Genetics and Development, 2010, 20, 562-569. | 1.5 | 66 |
| 78 | Targeting and tracing of specific DNA sequences with dTALEs in living cells. Nucleic Acids Research, 2014, 42, e38-e38. | 6.5 | 66 |
| 79 | Liquid-crystalline phase transitions in lipid droplets are related to cellular states and specific organelle association. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16866-16871. | 3.3 | 64 |
| 80 | Magnetosome Expression of Functional Camelid Antibody Fragments (Nanobodies) in Magnetospirillum gryphiswaldense. Applied and Environmental Microbiology, 2011, 77, 6165-6171. | 1.4 | 63 |
| 81 | The PHD Domain of Np95 (mUHRF1) Is Involved in Large-Scale Reorganization of Pericentromeric Heterochromatin. Molecular Biology of the Cell, 2008, 19, 3554-3563. | 0.9 | 62 |
| 82 | Cooperative DNA and histone binding by Uhrf2 links the two major repressive epigenetic pathways. Journal of Cellular Biochemistry, 2011, 112, 2585-2593. | 1.2 | 62 |
| 83 | Cell Cycle Markers for Live Cell Analyses. Cell Cycle, 2005, 4, 453-455. | 1.3 | 58 |
| 84 | Histone hypoacetylation is required to maintain late replication timing of constitutive heterochromatin. Nucleic Acids Research, 2012, 40, 159-169. | 6.5 | 58 |
| 85 | Dissection of cell cycleâ€“dependent dynamics of Dnmt1 by FRAP and diffusion-coupled modeling. Nucleic Acids Research, 2013, 41, 4860-4876. | 6.5 | 56 |
| 86 | Loss of KDM6A confers drug resistance in acute myeloid leukemia. Leukemia, 2020, 34, 50-62. | 3.3 | 56 |
| 87 | DNA methylation reader MECP2: cell type- and differentiation stage-specific protein distribution. Epigenetics and Chromatin, 2014, 7, 17. | 1.8 | 55 |
| 88 | Determination of local chromatin composition by CasID. Nucleus, 2016, 7, 476-484. | 0.6 | 55 |
| 89 | Spatial organization of transcribed eukaryotic genes. Nature Cell Biology, 2022, 24, 327-339. | 4.6 | 55 |
| 90 | Epigenetics of eu- and heterochromatin in inverted and conventional nuclei from mouse retina. Chromosome Research, 2013, 21, 535-554. | 1.0 | 53 |

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|---|---|---|---|
| 91 | Characterization of PvuRts1I endonuclease as a tool to investigate genomic 5â€“hydroxymethylcytosine. Nucleic Acids Research, 2011, 39, 5149-5156. | 6.5 | 51 |
| 92 | A Mammalian Myocardial Cell-Free System to Study Cell Cycle Reentry in Terminally Differentiated Cardiomyocytes. Circulation Research, 1999, 85, 294-301. | 2.0 | 50 |
| 93 | Cathepsin S Alterations Induce a Tumor-Promoting Immune Microenvironment in Follicular Lymphoma. Cell Reports, 2020, 31, 107522. | 2.9 | 50 |
| 94 | Desmoglein 2 regulates the intestinal epithelial barrier via p38 mitogen-activated protein kinase. Scientific Reports, 2017, 7, 6329. | 1.6 | 48 |
| 95 | Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. EMBO Journal, 2017, 36, 2263-2279. | 3.5 | 48 |
| 96 | Histone acetylation controls the inactive X chromosome replication dynamics. Nature Communications, 2011, 2, 222. | 5.8 | 45 |
| 97 | Secretory cargo sorting by Ca2+-dependent Cab45 oligomerization at the trans-Golgi network. Journal of Cell Biology, 2016, 213, 305-314. | 2.3 | 45 |
| 98 | A unified multi-kingdom Golden Gate cloning platform. Scientific Reports, 2019, 9, 10131. | 1.6 | 45 |
| 99 | Super-resolution in situ analysis of active ribosomal DNA chromatin organization in the nucleolus. Scientific Reports, 2020, 10, 7462. | 1.6 | 45 |
| 100 | Engineering antibodies and proteins for molecular in vivo imaging. Current Opinion in Biotechnology, 2011, 22, 882-887. | 3.3 | 44 |
| 101 | Mammalian DNA methyltransferases show different subnuclear distributions. Journal of Cellular Biochemistry, 2001, 83, 373-379. | 1.2 | 43 |
| 102 | Ubiquitome Analysis Reveals PCNA-Associated Factor 15 (PAF15) as a Specific Ubiquitination Target of UHRF1 in Embryonic Stem Cells. Journal of Molecular Biology, 2017, 429, 3814-3824. | 2.0 | 43 |
| 103 | Direct and Dynamic Detection of HIV-1 in Living Cells. PLoS ONE, 2012, 7, e50026. | 1.1 | 42 |
| 104 | Dimerization of DNA methyltransferase 1 is mediated by its regulatory domain. Journal of Cellular Biochemistry, 2009, 106, 521-528. | 1.2 | 40 |
| 105 | DNMT1 mutations found in HSANIE patients affect interaction with UHRF1 and neuronal differentiation. Human Molecular Genetics, 2017, 26, 1522-1534. | 1.4 | 40 |
| 106 | Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie - International Edition, 2019, 58, 11631-11636. | 7.2 | 40 |
| 107 | Poly(ADP-ribose) Polymerase 1 (PARP1) Associates with E3 Ubiquitin-Protein Ligase UHRF1 and Modulates UHRF1 Biological Functions. Journal of Biological Chemistry, 2014, 289, 16223-16238. | 1.6 | 39 |
| 108 | A modular open platform for systematic functional studies under physiological conditions. Nucleic Acids Research, 2015, 43, e112-e112. | 6.5 | 39 |

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|---|---|---|---|
| 109 | Small chromosomal regions position themselves autonomously according to their chromatin class. Genome Research, 2017, 27, 922-933. | 2.4 | 39 |
| 110 | Binding of MBD proteins to DNA blocks Tet1 function thereby modulating transcriptional noise. Nucleic Acids Research, 2017, 45, 2438-2457. | 6.5 | 38 |
| 111 | Recent evolution of a TET-controlled and DPPA3/STELLA-driven pathway of passive DNA demethylation in mammals. Nature Communications, 2020, 11, 5972. | 5.8 | 38 |
| 112 | Intracellular chromobody delivery by mesoporous silica nanoparticles for antigen targeting and visualization in real time. Scientific Reports, 2016, 6, 25019. | 1.6 | 37 |
| 113 | Intrinsic and Extrinsic Connections of Tet3 Dioxygenase with CXXC Zinc Finger Modules. PLoS ONE, 2013, 8, e62755. | 1.1 | 36 |
| 114 | KDM2A integrates DNA and histone modification signals through a CXXC/PHD module and direct interaction with HP1. Nucleic Acids Research, 2017, 45, gkw979. | 6.5 | 35 |
| 115 | Cohesin depleted cells rebuild functional nuclear compartments after endomitosis. Nature Communications, 2020, 11, 6146. | 5.8 | 35 |
| 116 | Global DNA Hypomethylation Prevents Consolidation of Differentiation Programs and Allows Reversion to the Embryonic Stem Cell State. PLoS ONE, 2012, 7, e52629. | 1.1 | 34 |
| 117 | Initial high-resolution microscopic mapping of active and inactive regulatory sequences proves non-random 3D arrangements in chromatin domain clusters. Epigenetics and Chromatin, 2017, 10, 39. | 1.8 | 34 |
| 118 | Step-Wise Assembly, Maturation and Dynamic Behavior of the Human CENP-P/O/R/Q/U Kinetochore Sub-Complex. PLoS ONE, 2012, 7, e44717. | 1.1 | 32 |
| 119 | Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. Chemical Science, 2017, 8, 3471-3478. | 3.7 | 31 |
| 120 | Direct modulation of the bone marrow mesenchymal stromal cell compartment by azacitidine enhances healthy hematopoiesis. Blood Advances, 2018, 2, 3447-3461. | 2.5 | 31 |
| 121 | Intranuclear targeting of DNA replication factors. , 1998, 72, 243-249. | | 29 |
| 122 | Tunable light and drug induced depletion of target proteins. Nature Communications, 2020, 11, 304. | 5.8 | 29 |
| 123 | Targeting and Association of Proteins with Functional Domains in the Nucleus: The Insoluble Solution. International Review of Cytology, 1996, 162B, 303-335. | 6.2 | 28 |
| 124 | Characterization of the sebocyte lipid droplet proteome reveals novel potential regulators of sebaceous lipogenesis. Experimental Cell Research, 2015, 332, 146-155. | 1.2 | 28 |
| 125 | Poly(ADP-ribosyl)ation of Methyl CpG Binding Domain Protein 2 Regulates Chromatin Structure. Journal of Biological Chemistry, 2016, 291, 4873-4881. | 1.6 | 28 |
| 126 | Direct protein transfer to terminally differentiated muscle cells. Journal of Molecular Medicine, 1999, 77, 609-613. | 1.7 | 27 |

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|---|---|---|---|
| 127 | Novel antibody derivatives for proteome and high-content analysis. Analytical and Bioanalytical Chemistry, 2010, 397, 3203-3208. | 1.9 | 27 |
| 128 | Case Study on Live Cell Apoptosis-Assay Using Lamin-Chromobody Cell-Lines for High-Content Analysis. Methods in Molecular Biology, 2012, 911, 569-575. | 0.4 | 27 |
| 129 | Diurnality and Nocturnality in Primates: An Analysis from the Rod Photoreceptor Nuclei Perspective. Evolutionary Biology, 2014, 41, 1-11. | 0.5 | 27 |
| 130 | Binding of NUFIP2 to Roquin promotes recognition and regulation of ICOS mRNA. Nature Communications, 2018, 9, 299. | 5.8 | 27 |
| 131 | Generation and Characterization of a Rat Monoclonal Antibody Specific for Multiple Red Fluorescent Proteins. Hybridoma, 2008, 27, 337-343. | 0.5 | 26 |
| 132 | The Fluorescent Two-Hybrid (F2H) Assay for Direct Analysis of Proteinâ€“Protein Interactions in Living Cells. Methods in Molecular Biology, 2012, 812, 275-282. | 0.4 | 26 |
| 133 | Intracellular Delivery of Nanobodies for Imaging of Target Proteins in Live Cells. Pharmaceutical Research, 2017, 34, 161-174. | 1.7 | 26 |
| 134 | The SARSâ€unique domain (SUD) of SARSâ€CoV and SARSâ€CoVâ€2 interacts with human Paip1 to enhance viral RNA translation. EMBO Journal, 2021, 40, e102277. | 3.5 | 26 |
| 135 | Processive DNA synthesis is associated with localized decompaction of constitutive heterochromatin at the sites of DNA replication and repair. Nucleus, 2019, 10, 231-253. | 0.6 | 25 |
| 136 | Functional Links between Nuclear Structure, Gene Expression, DNA Replication, and Methylation. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 345-351. | 0.4 | 25 |
| 137 | Spatiotemporal dynamics of regulatory protein recruitment at DNA damage sites. Journal of Cellular Biochemistry, 2008, 104, 1562-1569. | 1.2 | 23 |
| 138 | Nanobodys: Strategien zur chemischen Funktionalisierung und intrazellulÃre Anwendungen. Angewandte Chemie, 2018, 130, 2336-2357. | 1.6 | 23 |
| 139 | Cristae-dependent quality control of the mitochondrial genome. Science Advances, 2021, 7, eabi8886. | 4.7 | 23 |
| 140 | A versatile non-radioactive assay for DNA methyltransferase activity and DNA binding. Nucleic Acids Research, 2009, 37, e22-e22. | 6.5 | 22 |
| 141 | Reliable detection of epigenetic histone marks and nuclear proteins in tissue cryosections. Chromosome Research, 2012, 20, 849-858. | 1.0 | 22 |
| 142 | Loss-of-function mutations in the histone methyltransferase EZH2 promote chemotherapy resistance in AML. Scientific Reports, 2021, 11, 5838. | 1.6 | 22 |
| 143 | Protein targeting to subnuclear higher order structures: A new level of regulation and coordination of nuclear processes. Journal of Cellular Biochemistry, 1998, 70, 222-230. | 1.2 | 21 |
| 144 | Structure, function and dynamics of nuclear subcompartments. Current Opinion in Cell Biology, 2012, 24, 79-85. | 2.6 | 21 |

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|---|---|---|---|
| 145 | Generation and Characterization of Rat and Mouse Monoclonal Antibodies Specific for MeCP2 and Their Use in X-Inactivation Studies. PLoS ONE, 2011, 6, e26499. | 1.1 | 20 |
| 146 | A CENP-S/X complex assembles at the centromere in S and G2 phases of the human cell cycle. Open Biology, 2014, 4, 130229. | 1.5 | 20 |
| 147 | Twists and turns of DNA methylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8919-8920. | 3.3 | 19 |
| 148 | Generation of an alpacaâ€derived nanobody recognizing Î³â€H2AX. FEBS Open Bio, 2015, 5, 779-788. | 1.0 | 19 |
| 149 | L1 retrotransposition is activated by Ten-eleven-translocation protein 1 and repressed by methyl-CpG binding proteins. Nucleus, 2017, 8, 548-562. | 0.6 | 19 |
| 150 | Mitochondrial Alkbh1 localises to mtRNA granules and its knockdown induces mitochondrial UPR in humans and C. elegans. Journal of Cell Science, 2019, 132, . | 1.2 | 19 |
| 151 | Cysteinselektive phosphonamidatbasierte Elektrophile fÃ¼r modulare Biokonjugationen. Angewandte Chemie, 2019, 131, 11751-11756. | 1.6 | 19 |
| 152 | EGFR/ERBB receptors differentially modulate sebaceous lipogenesis. FEBS Letters, 2015, 589, 1376-1382. | 1.3 | 18 |
| 153 | Regulatory encoding of quantitative variation in spatial activity of a Drosophila enhancer. Science Advances, 2020, 6, . | 4.7 | 18 |
| 154 | Regulation of DNA methyltransferase 1. Advances in Enzyme Regulation, 2006, 46, 224-234. | 2.9 | 17 |
| 155 | FLEXamers: A Double Tag for Universal Generation of Versatile Peptide-MHC Multimers. Journal of Immunology, 2019, 202, 2164-2171. | 0.4 | 17 |
| 156 | Generation and Characterization of a Rat Monoclonal Antibody Specific for PCNA. Hybridoma, 2008, 27, 91-98. | 0.5 | 14 |
| 157 | HP1Î² carries an acidic linker domain and requires H3K9me3 for phase separation. Nucleus, 2021, 12, 44-57. | 0.6 | 14 |
| 158 | Developmental differences in genome replication program and origin activation. Nucleic Acids Research, 2020, 48, 12751-12777. | 6.5 | 14 |
| 159 | MeCP2-induced heterochromatin organization is driven by oligomerization-based liquidâ€“liquid phase separation and restricted by DNA methylation. Nucleus, 2022, 13, 1-34. | 0.6 | 14 |
| 160 | Controlling The Mobility Of Oligonucleotides In The Nanochannels Of Mesoporous Silica. Advanced Functional Materials, 2012, 22, 106-112. | 7.8 | 13 |
| 161 | Distinct and stage-specific contributions of TET1 and TET2 to stepwise cytosine oxidation in the transition from naive to primed pluripotency. Scientific Reports, 2020, 10, 12066. | 1.6 | 13 |
| 162 | Fluorescent Protein Specific Nanotraps to Study Proteinâ€“Protein Interactions and Histone-Tail Peptide Binding. , 2012, 911, 475-483. | | 12 |

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|---|---|---|---|
| 163 | Nâ€Hydroxysuccinimideâ€Modified Ethynylphosphonamidates Enable the Synthesis of Configurationally Defined Protein Conjugates. ChemBioChem, 2020, 21, 113-119. | 1.3 | 12 |
| 164 | Energy profile of nanobodyâ€“GFP complex under force. Physical Biology, 2015, 12, 056009. | 0.8 | 11 |
| 165 | Systematic analysis of the binding behaviour of UHRF1 towards different methyl- and carboxylcytosine modification patterns at CpG dyads. PLoS ONE, 2020, 15, e0229144. | 1.1 | 11 |
| 166 | Structure and function in the nucleus: Subnuclear trafficking of DNA replication factors. Journal of Cellular Biochemistry, 1999, 75, 15-23. | 1.2 | 10 |
| 167 | <scp>CRISPR</scp>â€assisted receptor deletion reveals distinct roles for <scp>ERBB</scp>2 and <scp>ERBB</scp>3 in skin keratinocytes. FEBS Journal, 2017, 284, 3339-3349. | 2.2 | 10 |
| 168 | Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie, 2019, 131, 11757-11762. | 1.6 | 10 |
| 169 | Visualization of Genomic Loci in Living Cells with a Fluorescent CRISPR/Cas9 System. Methods in Molecular Biology, 2016, 1411, 407-417. | 0.4 | 9 |
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