# Heinrich Leonhardt

List of Publications by Year
in descending order

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|---|---|---|---|
| 187 papers | 22,969 citations | 12330 69 h-index | 9345 143 g-index |
| 203 all docs | 203 docs citations | 203 times ranked | 28709 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Autophagy in mesenchymal progenitors protects mice against bone marrow failure after severe intermittent stress. Blood, 2022, 139, 690-703. | 1.4 | 8 |
| 2 | Differences in nanoscale organization of regulatory active and inactive human chromatin. Biophysical Journal, 2022, 121, 977-990. | 0.5 | 6 |
| 3 | MeCP2-induced heterochromatin organization is driven by oligomerization-based liquidâ€“liquid phase separation and restricted by DNA methylation. Nucleus, 2022, 13, 1-34. | 2.2 | 14 |
| 4 | Spatial organization of transcribed eukaryotic genes. Nature Cell Biology, 2022, 24, 327-339. | 10.3 | 55 |
| 5 | Siteâ€Specific Antibody Fragment Conjugates for Reversible Staining in Fluorescence Microscopy. ChemBioChem, 2021, 22, 1205-1209. | 2.6 | 6 |
| 6 | Loss-of-function mutations in the histone methyltransferase EZH2 promote chemotherapy resistance in AML. Scientific Reports, 2021, 11, 5838. | 3.3 | 22 |
| 7 | FUS-dependent liquidâ€“liquid phase separation is important for DNA repair initiation. Journal of Cell Biology, 2021, 220, . | 5.2 | 86 |
| 8 | 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. | 7.8 | 26 |
| 9 | Phosphorylation of the HP1Î² hinge region sequesters KAP1 in heterochromatin and promotes the exit from naÃ¯ve pluripotency. Nucleic Acids Research, 2021, 49, 7406-7423. | 14.5 | 9 |
| 10 | Visualization and characterization of RNAâ€“protein interactions in living cells. Nucleic Acids Research, 2021, 49, e107-e107. | 14.5 | 5 |
| 11 | Cristae-dependent quality control of the mitochondrial genome. Science Advances, 2021, 7, eabi8886. | 10.3 | 23 |
| 12 | HP1Î² carries an acidic linker domain and requires H3K9me3 for phase separation. Nucleus, 2021, 12, 44-57. | 2.2 | 14 |
| 13 | Loss of KDM6A confers drug resistance in acute myeloid leukemia. Leukemia, 2020, 34, 50-62. | 7.2 | 56 |
| 14 | Nâ€Hydroxysuccinimideâ€Modified Ethynylphosphonamidates Enable the Synthesis of Configurationally Defined Protein Conjugates. ChemBioChem, 2020, 21, 113-119. | 2.6 | 12 |
| 15 | 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. | 3.3 | 13 |
| 16 | Recent evolution of a TET-controlled and DPPA3/STELLA-driven pathway of passive DNA demethylation in mammals. Nature Communications, 2020, 11, 5972. | 12.8 | 38 |
| 17 | Cohesin depleted cells rebuild functional nuclear compartments after endomitosis. Nature Communications, 2020, 11, 6146. | 12.8 | 35 |
| 18 | Fusion of Bacterial Flagellin to a Dendritic Cell-Targeting Î±CD40 Antibody Construct Coupled With Viral or Leukemia-Specific Antigens Enhances Dendritic Cell Maturation and Activates Peptide-Responsive T Cells. Frontiers in Immunology, 2020, 11, 602802. | 4.8 | 7 |

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|---|---|---|---|
| 19 | A protein assembly mediates Xist localization and gene silencing. Nature, 2020, 587, 145-151. | 27.8 | 123 |
| 20 | Regulatory encoding of quantitative variation in spatial activity of a Drosophila enhancer. Science Advances, 2020, 6, . | 10.3 | 18 |
| 21 | Cathepsin S Alterations Induce a Tumor-Promoting Immune Microenvironment in Follicular Lymphoma. Cell Reports, 2020, 31, 107522. | 6.4 | 50 |
| 22 | Super-resolution in situ analysis of active ribosomal DNA chromatin organization in the nucleolus. Scientific Reports, 2020, 10, 7462. | 3.3 | 45 |
| 23 | Two distinct modes of DNMT1 recruitment ensure stable maintenance DNA methylation. Nature Communications, 2020, 11, 1222. | 12.8 | 82 |
| 24 | Systematic analysis of the binding behaviour of UHRF1 towards different methyl- and carboxylcytosine modification patterns at CpG dyads. PLoS ONE, 2020, 15, e0229144. | 2.5 | 11 |
| 25 | Tunable light and drug induced depletion of target proteins. Nature Communications, 2020, 11, 304. | 12.8 | 29 |
| 26 | Developmental differences in genome replication program and origin activation. Nucleic Acids Research, 2020, 48, 12751-12777. | 14.5 | 14 |
| 27 | Locus-Specific Chromatin Proteome Revealed by Mass Spectrometry-Based CasID. Methods in Molecular Biology, 2020, 2175, 109-121. | 0.9 | 4 |
| 28 | BigStitcher: reconstructing high-resolution image datasets of cleared and expanded samples. Nature Methods, 2019, 16, 870-874. | 19.0 | 214 |
| 29 | 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. | 7.1 | 64 |
| 30 | Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie, 2019, 131, 11757-11762. | 2.0 | 10 |
| 31 | A unified multi-kingdom Golden Gate cloning platform. Scientific Reports, 2019, 9, 10131. | 3.3 | 45 |
| 32 | Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie - International Edition, 2019, 58, 11631-11636. | 13.8 | 40 |
| 33 | Mitochondrial Alkbh1 localises to mtRNA granules and its knockdown induces mitochondrial UPR in humans and C. elegans. Journal of Cell Science, 2019, 132, . | 2.0 | 19 |
| 34 | Tubulin Tyrosine Ligase-Mediated Modification of Proteins. Methods in Molecular Biology, 2019, 2012, 327-355. | 0.9 | 5 |
| 35 | Heterochromatin drives compartmentalization of inverted and conventional nuclei. Nature, 2019, 570, 395-399. | 27.8 | 464 |
| 36 | Cysteineâ€Selective Phosphonamidate Electrophiles for Modular Protein Bioconjugations. Angewandte Chemie - International Edition, 2019, 58, 11625-11630. | 13.8 | 76 |

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|---|---|---|---|
| 37 | Cysteinselektive phosphonamidatbasierte Elektrophile fÃ¼r modulare Biokonjugationen. Angewandte Chemie, 2019, 131, 11751-11756. | 2.0 | 19 |
| 38 | TuPPL: Tub-tag mediated C-terminal proteinâ€“protein-ligation using complementary click-chemistry handles. Organic and Biomolecular Chemistry, 2019, 17, 4964-4969. | 2.8 | 8 |
| 39 | FLEXamers: A Double Tag for Universal Generation of Versatile Peptide-MHC Multimers. Journal of Immunology, 2019, 202, 2164-2171. | 0.8 | 17 |
| 40 | Processive DNA synthesis is associated with localized decompaction of constitutive heterochromatin at the sites of DNA replication and repair. Nucleus, 2019, 10, 231-253. | 2.2 | 25 |
| 41 | One-Step Fluorescent Protein Labeling by Tubulin Tyrosine Ligase. Methods in Molecular Biology, 2019, 2033, 167-189. | 0.9 | 2 |
| 42 | Tub-Tag Labeling; Chemoenzymatic Incorporation of Unnatural Amino Acids. Methods in Molecular Biology, 2018, 1728, 67-93. | 0.9 | 2 |
| 43 | Binding of NUFIP2 to Roquin promotes recognition and regulation of ICOS mRNA. Nature Communications, 2018, 9, 299. | 12.8 | 27 |
| 44 | 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. | 6.5 | 79 |
| 45 | Nanobodys: Strategien zur chemischen Funktionalisierung und intrazellulÃre Anwendungen. Angewandte Chemie, 2018, 130, 2336-2357. | 2.0 | 23 |
| 46 | Nanobodies: Chemical Functionalization Strategies and Intracellular Applications. Angewandte Chemie - International Edition, 2018, 57, 2314-2333. | 13.8 | 170 |
| 47 | Nanoparticle mediated delivery and small molecule triggered activation of proteins in the nucleus. Nucleus, 2018, 9, 530-542. | 2.2 | 5 |
| 48 | Direct modulation of the bone marrow mesenchymal stromal cell compartment by azacitidine enhances healthy hematopoiesis. Blood Advances, 2018, 2, 3447-3461. | 5.2 | 31 |
| 49 | KDM2A integrates DNA and histone modification signals through a CXXC/PHD module and direct interaction with HP1. Nucleic Acids Research, 2017, 45, gkw979. | 14.5 | 35 |
| 50 | Comparative Analysis of Single-Cell RNA Sequencing Methods. Molecular Cell, 2017, 65, 631-643.e4. | 9.7 | 1,131 |
| 51 | A Simple and Sensitive High-Content Assay for the Characterization of Antiproliferative Therapeutic Antibodies. SLAS Discovery, 2017, 22, 309-315. | 2.7 | 6 |
| 52 | Universal Superâ€Resolution Multiplexing by DNA Exchange. Angewandte Chemie - International Edition, 2017, 56, 4052-4055. | 13.8 | 79 |
| 53 | Quantitative 3D structured illumination microscopy of nuclear structures. Nature Protocols, 2017, 12, 1011-1028. | 12.0 | 72 |
| 54 | L1 retrotransposition is activated by Ten-eleven-translocation protein 1 and repressed by methyl-CpG binding proteins. Nucleus, 2017, 8, 548-562. | 2.2 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Identification of the elementary structural units of the DNA damage response. Nature Communications, 2017, 8, 15760. | 12.8 | 141 |
| 56 | Small chromosomal regions position themselves autonomously according to their chromatin class. Genome Research, 2017, 27, 922-933. | 5.5 | 39 |
| 57 | Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. Chemical Science, 2017, 8, 3471-3478. | 7.4 | 31 |
| 58 | 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. | 4.2 | 43 |
| 59 | cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming proteinâ€“DNA ladders. Nature, 2017, 549, 394-398. | 27.8 | 346 |
| 60 | Cell-permeable nanobodies for targeted immunolabelling and antigen manipulation in living cells. Nature Chemistry, 2017, 9, 762-771. | 13.6 | 216 |
| 61 | Desmoglein 2 regulates the intestinal epithelial barrier via p38 mitogen-activated protein kinase. Scientific Reports, 2017, 7, 6329. | 3.3 | 48 |
| 62 | Synthesis and Functionalization of Ordered Largeâ€Pore Mesoporous Silica Nanoparticles for Biomedical Applications. Chemie-Ingenieur-Technik, 2017, 89, 876-886. | 0.8 | 7 |
| 63 | Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. Molecular Cell, 2017, 67, 550-565.e5. | 9.7 | 151 |
| 64 | <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. | 4.7 | 10 |
| 65 | 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. | 14.3 | 109 |
| 66 | Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. EMBO Journal, 2017, 36, 2263-2279. | 7.8 | 48 |
| 67 | Intracellular Delivery of Nanobodies for Imaging of Target Proteins in Live Cells. Pharmaceutical Research, 2017, 34, 161-174. | 3.5 | 26 |
| 68 | Binding of MBD proteins to DNA blocks Tet1 function thereby modulating transcriptional noise. Nucleic Acids Research, 2017, 45, 2438-2457. | 14.5 | 38 |
| 69 | DNMT1 mutations found in HSANIE patients affect interaction with UHRF1 and neuronal differentiation. Human Molecular Genetics, 2017, 26, 1522-1534. | 2.9 | 40 |
| 70 | CDK9-dependent RNA polymerase II pausing controls transcription initiation. ELife, 2017, 6, . | 6.0 | 179 |
| 71 | 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. | 3.9 | 34 |
| 72 | Intracellular chromobody delivery by mesoporous silica nanoparticles for antigen targeting and visualization in real time. Scientific Reports, 2016, 6, 25019. | 3.3 | 37 |

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| 73 | Secretory cargo sorting by Ca2+-dependent Cab45 oligomerization at the trans-Golgi network. Journal of Cell Biology, 2016, 213, 305-314. | 5.2 | 45 |
| 74 | Visualization of Genomic Loci in Living Cells with a Fluorescent CRISPR/Cas9 System. Methods in Molecular Biology, 2016, 1411, 407-417. | 0.9 | 9 |
| 75 | 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. | 7.1 | 172 |
| 76 | Determination of local chromatin composition by CasID. Nucleus, 2016, 7, 476-484. | 2.2 | 55 |
| 77 | Poly(ADP-ribosyl)ation of Methyl CpG Binding Domain Protein 2 Regulates Chromatin Structure. Journal of Biological Chemistry, 2016, 291, 4873-4881. | 3.4 | 28 |
| 78 | Current Status: Site-Specific Antibody Drug Conjugates. Journal of Clinical Immunology, 2016, 36, 100-107. | 3.8 | 120 |
| 79 | Versatile and Efficient Siteâ€Specific Protein Functionalization by Tubulin Tyrosine Ligase. Angewandte Chemie - International Edition, 2015, 54, 13787-13791. | 13.8 | 82 |
| 80 | Nanobodies and recombinant binders in cell biology. Journal of Cell Biology, 2015, 209, 633-644. | 5.2 | 195 |
| 81 | EGFR/ERBB receptors differentially modulate sebaceous lipogenesis. FEBS Letters, 2015, 589, 1376-1382. | 2.8 | 18 |
| 82 | Generation of an alpacaâ€derived nanobody recognizing Î³â€H2AX. FEBS Open Bio, 2015, 5, 779-788. | 2.3 | 19 |
| 83 | 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. | 3.4 | 102 |
| 84 | DNA methylation requires a DNMT1 ubiquitin interacting motif (UIM) and histone ubiquitination. Cell Research, 2015, 25, 911-929. | 12.0 | 201 |
| 85 | The CENP-T C-Terminus Is Exclusively Proximal to H3.1 and not to H3.2 or H3.3. International Journal of Molecular Sciences, 2015, 16, 5839-5863. | 4.1 | 7 |
| 86 | A modular open platform for systematic functional studies under physiological conditions. Nucleic Acids Research, 2015, 43, e112-e112. | 14.5 | 39 |
| 87 | Energy profile of nanobodyâ€“GFP complex under force. Physical Biology, 2015, 12, 056009. | 1.8 | 11 |
| 88 | Characterization of the sebocyte lipid droplet proteome reveals novel potential regulators of sebaceous lipogenesis. Experimental Cell Research, 2015, 332, 146-155. | 2.6 | 28 |
| 89 | Visualization of specific DNA sequences in living mouse embryonic stem cells with a programmable fluorescent CRISPR/Cas system. Nucleus, 2014, 5, 163-172. | 2.2 | 146 |
| 90 | TET-mediated oxidation of methylcytosine causes TDG or NEIL glycosylase dependent gene reactivation. Nucleic Acids Research, 2014, 42, 8592-8604. | 14.5 | 79 |

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|---|---|---|---|
| 91 | DNA methylation reader MECP2: cell type- and differentiation stage-specific protein distribution. Epigenetics and Chromatin, 2014, 7, 17. | 3.9 | 55 |
| 92 | Diurnality and Nocturnality in Primates: An Analysis from the Rod Photoreceptor Nuclei Perspective. Evolutionary Biology, 2014, 41, 1-11. | 1.1 | 27 |
| 93 | Rad50-CARD9 interactions link cytosolic DNA sensing to IL-1Î² production. Nature Immunology, 2014, 15, 538-545. | 14.5 | 132 |
| 94 | Tet oxidizes thymine to 5-hydroxymethyluracil in mouse embryonic stem cell DNA. Nature Chemical Biology, 2014, 10, 574-581. | 8.0 | 270 |
| 95 | Targeting and tracing of specific DNA sequences with dTALEs in living cells. Nucleic Acids Research, 2014, 42, e38-e38. | 14.5 | 66 |
| 96 | 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. | 3.4 | 39 |
| 97 | 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. | 3.9 | 148 |
| 98 | A CENP-S/X complex assembles at the centromere in S and G2 phases of the human cell cycle. Open Biology, 2014, 4, 130229. | 3.6 | 20 |
| 99 | Parallel Force Assay for Protein-Protein Interactions. PLoS ONE, 2014, 9, e115049. | 2.5 | 8 |
| 100 | Epigenetics of eu- and heterochromatin in inverted and conventional nuclei from mouse retina. Chromosome Research, 2013, 21, 535-554. | 2.2 | 53 |
| 101 | Dynamic Readers for 5-(Hydroxy)Methylcytosine and Its Oxidized Derivatives. Cell, 2013, 152, 1146-1159. | 28.9 | 888 |
| 102 | LBR and Lamin A/C Sequentially Tether Peripheral Heterochromatin and Inversely Regulate Differentiation. Cell, 2013, 152, 584-598. | 28.9 | 681 |
| 103 | Dissection of cell cycleâ€“dependent dynamics of Dnmt1 by FRAP and diffusion-coupled modeling. Nucleic Acids Research, 2013, 41, 4860-4876. | 14.5 | 56 |
| 104 | Visualization and targeted disruption of protein interactions in living cells. Nature Communications, 2013, 4, 2660. | 12.8 | 140 |
| 105 | Intrinsic and Extrinsic Connections of Tet3 Dioxygenase with CXXC Zinc Finger Modules. PLoS ONE, 2013, 8, e62755. | 2.5 | 36 |
| 106 | Histone hypoacetylation is required to maintain late replication timing of constitutive heterochromatin. Nucleic Acids Research, 2012, 40, 159-169. | 14.5 | 58 |
| 107 | CENP-C facilitates the recruitment of M18BP1 to centromeric chromatin. Nucleus, 2012, 3, 101-110. | 2.2 | 111 |
| 108 | Global DNA Hypomethylation Prevents Consolidation of Differentiation Programs and Allows Reversion to the Embryonic Stem Cell State. PLoS ONE, 2012, 7, e52629. | 2.5 | 34 |

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|---|---|---|---|
| 109 | Reliable detection of epigenetic histone marks and nuclear proteins in tissue cryosections. Chromosome Research, 2012, 20, 849-858. | 2.2 | 22 |
| 110 | The Fluorescent Two-Hybrid (F2H) Assay for Direct Analysis of Proteinâ€“Protein Interactions in Living Cells. Methods in Molecular Biology, 2012, 812, 275-282. | 0.9 | 26 |
| 111 | Targeted transcriptional activation of silent oct4 pluripotency gene by combining designer TALEs and inhibition of epigenetic modifiers. Nucleic Acids Research, 2012, 40, 5368-5377. | 14.5 | 178 |
| 112 | Fluorescent Protein Specific Nanotraps to Study Proteinâ€“Protein Interactions and Histone-Tail Peptide Binding. , 2012, 911, 475-483. | | 12 |
| 113 | Case Study on Live Cell Apoptosis-Assay Using Lamin-Chromobody Cell-Lines for High-Content Analysis. Methods in Molecular Biology, 2012, 911, 569-575. | 0.9 | 27 |
| 114 | Direct and Dynamic Detection of HIV-1 in Living Cells. PLoS ONE, 2012, 7, e50026. | 2.5 | 42 |
| 115 | Structure, function and dynamics of nuclear subcompartments. Current Opinion in Cell Biology, 2012, 24, 79-85. | 5.4 | 21 |
| 116 | Controlling The Mobility Of Oligonucleotides In The Nanochannels Of Mesoporous Silica. Advanced Functional Materials, 2012, 22, 106-112. | 14.9 | 13 |
| 117 | Biomedical Applications: Controlling The Mobility Of Oligonucleotides In The Nanochannels Of Mesoporous Silica (Adv. Funct. Mater. 1/2012). Advanced Functional Materials, 2012, 22, 2-2. | 14.9 | 0 |
| 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. | 2.5 | 32 |
| 119 | Cortical Constriction During Abscission Involves Helices of ESCRT-IIIâ€“Dependent Filaments. Science, 2011, 331, 1616-1620. | 12.6 | 444 |
| 120 | Generation and Characterization of Rat and Mouse Monoclonal Antibodies Specific for MeCP2 and Their Use in X-Inactivation Studies. PLoS ONE, 2011, 6, e26499. | 2.5 | 20 |
| 121 | Engineering antibodies and proteins for molecular in vivo imaging. Current Opinion in Biotechnology, 2011, 22, 882-887. | 6.6 | 44 |
| 122 | Usp7 and Uhrf1 control ubiquitination and stability of the maintenance DNA methyltransferase Dnmt1. Journal of Cellular Biochemistry, 2011, 112, 439-444. | 2.6 | 134 |
| 123 | Cooperative DNA and histone binding by Uhrf2 links the two major repressive epigenetic pathways. Journal of Cellular Biochemistry, 2011, 112, 2585-2593. | 2.6 | 62 |
| 124 | Histone acetylation controls the inactive X chromosome replication dynamics. Nature Communications, 2011, 2, 222. | 12.8 | 45 |
| 125 | Recognition of 5-Hydroxymethylcytosine by the Uhrf1 SRA Domain. PLoS ONE, 2011, 6, e21306. | 2.5 | 159 |
| 126 | Regulation of DNA methyltransferase 1 by interactions and modifications. Nucleus, 2011, 2, 392-402. | 2.2 | 86 |

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|---|---|---|---|
| 127 | Twists and turns of DNA methylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8919-8920. | 7.1 | 19 |
| 128 | PARG is recruited to DNA damage sites through poly(ADP-ribose)- and PCNA-dependent mechanisms. Nucleic Acids Research, 2011, 39, 5045-5056. | 14.5 | 108 |
| 129 | MeCP2 Rett mutations affect large scale chromatin organization. Human Molecular Genetics, 2011, 20, 4187-4195. | 2.9 | 72 |
| 130 | Characterization of PvuRts1I endonuclease as a tool to investigate genomic 5â€“hydroxymethylcytosine. Nucleic Acids Research, 2011, 39, 5149-5156. | 14.5 | 51 |
| 131 | Magnetosome Expression of Functional Camelid Antibody Fragments (Nanobodies) in Magnetospirillum gryphiswaldense. Applied and Environmental Microbiology, 2011, 77, 6165-6171. | 3.1 | 63 |
| 132 | Different Binding Properties and Function of CXXC Zinc Finger Domains in Dnmt1 and Tet1. PLoS ONE, 2011, 6, e16627. | 2.5 | 87 |
| 133 | Novel antibody derivatives for proteome and high-content analysis. Analytical and Bioanalytical Chemistry, 2010, 397, 3203-3208. | 3.7 | 27 |
| 134 | Modulation of protein properties in living cells using nanobodies. Nature Structural and Molecular Biology, 2010, 17, 133-138. | 8.2 | 494 |
| 135 | The multi-domain protein Np95 connects DNA methylation and histone modification. Nucleic Acids Research, 2010, 38, 1796-1804. | 14.5 | 139 |
| 136 | Sensitive enzymatic quantification of 5-hydroxymethylcytosine in genomic DNA. Nucleic Acids Research, 2010, 38, e181-e181. | 14.5 | 385 |
| 137 | Identification and characterization of two novel primate-specific histone H3 variants, H3.X and H3.Y. Journal of Cell Biology, 2010, 190, 777-791. | 5.2 | 106 |
| 138 | Differentiation and large scale spatial organization of the genome. Current Opinion in Genetics and Development, 2010, 20, 562-569. | 3.3 | 66 |
| 139 | A guide to super-resolution fluorescence microscopy. Journal of Cell Biology, 2010, 190, 165-175. | 5.2 | 1,131 |
| 140 | A versatile non-radioactive assay for DNA methyltransferase activity and DNA binding. Nucleic Acids Research, 2009, 37, e22-e22. | 14.5 | 22 |
| 141 | Dimerization of DNA methyltransferase 1 is mediated by its regulatory domain. Journal of Cellular Biochemistry, 2009, 106, 521-528. | 2.6 | 40 |
| 142 | DNA methylationâ€mediated epigenetic control. Journal of Cellular Biochemistry, 2009, 108, 43-51. | 2.6 | 111 |
| 143 | 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. | 4.5 | 167 |
| 144 | Spatiotemporal dynamics of regulatory protein recruitment at DNA damage sites. Journal of Cellular Biochemistry, 2008, 104, 1562-1569. | 2.6 | 23 |

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|---|---|---|---|
| 145 | A mutagenesis strategy combining systematic alanine scanning with larger mutations to study protein interactions. Analytical Biochemistry, 2008, 373, 176-178. | 2.4 | 8 |
| 146 | Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy. Science, 2008, 320, 1332-1336. | 12.6 | 1,016 |
| 147 | Probing Intranuclear Environments at the Single-Molecule Level. Biophysical Journal, 2008, 94, 2847-2858. | 0.5 | 85 |
| 148 | Generation and Characterization of a Rat Monoclonal Antibody Specific for Multiple Red Fluorescent Proteins. Hybridoma, 2008, 27, 337-343. | 0.4 | 26 |
| 149 | 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. | 7.1 | 74 |
| 150 | A Fluorescent Two-hybrid Assay for Direct Visualization of Protein Interactions in Living Cells. Molecular and Cellular Proteomics, 2008, 7, 2279-2287. | 3.8 | 81 |
| 151 | The PHD Domain of Np95 (mUHRF1) Is Involved in Large-Scale Reorganization of Pericentromeric Heterochromatin. Molecular Biology of the Cell, 2008, 19, 3554-3563. | 2.1 | 62 |
| 152 | Identifying specific protein interaction partners using quantitative mass spectrometry and bead proteomes. Journal of Cell Biology, 2008, 183, 223-239. | 5.2 | 404 |
| 153 | A Versatile Nanotrap for Biochemical and Functional Studies with Fluorescent Fusion Proteins. Molecular and Cellular Proteomics, 2008, 7, 282-289. | 3.8 | 616 |
| 154 | Generation and Characterization of a Rat Monoclonal Antibody Specific for PCNA. Hybridoma, 2008, 27, 91-98. | 0.4 | 14 |
| 155 | MeCP2 interacts with HP1 and modulates its heterochromatin association during myogenic differentiation. Nucleic Acids Research, 2007, 35, 5402-5408. | 14.5 | 137 |
| 156 | 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. | 14.5 | 271 |
| 157 | Dynamics of Dnmt1 interaction with the replication machinery and its role in postreplicative maintenance of DNA methylation. Nucleic Acids Research, 2007, 35, 4301-4312. | 14.5 | 200 |
| 158 | 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. | 5.2 | 171 |
| 159 | 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 |
| 160 | Targeting and tracing antigens in live cells with fluorescent nanobodies. Nature Methods, 2006, 3, 887-889. | 19.0 | 613 |
| 161 | Regulation of DNA methyltransferase 1. Advances in Enzyme Regulation, 2006, 46, 224-234. | 2.6 | 17 |
| 162 | Differential recruitment of DNA Ligase I and III to DNA repair sites. Nucleic Acids Research, 2006, 34, 3523-3532. | 14.5 | 88 |

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|---|---|---|---|
| 163 | Trapped in action: direct visualization of DNA methyltransferase activity in living cells. Nature Methods, 2005, 2, 751-756. | 19.0 | 124 |
| 164 | Methyl CpGâ€“binding proteins induce large-scale chromatin reorganization during terminal differentiation. Journal of Cell Biology, 2005, 169, 733-743. | 5.2 | 206 |
| 165 | Cell Cycle Markers for Live Cell Analyses. Cell Cycle, 2005, 4, 453-455. | 2.6 | 58 |
| 166 | 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. | 7.1 | 299 |
| 167 | PCNA acts as a stationary loading platform for transiently interacting Okazaki fragment maturation proteins. Nucleic Acids Research, 2005, 33, 3521-3528. | 14.5 | 95 |
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