

Heinrich Leonhardt

List of Publications by Year in descending order

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Version: 2024-02-01

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	Autophagy in mesenchymal progenitors protects mice against bone marrow failure after severe intermittent stress. <i>Blood</i> , 2022, 139, 690-703.	0.6	8
2	Differences in nanoscale organization of regulatory active and inactive human chromatin. <i>Biophysical Journal</i> , 2022, 121, 977-990.	0.2	6
3	MeCP2-induced heterochromatin organization is driven by oligomerization-based liquid-liquid phase separation and restricted by DNA methylation. <i>Nucleus</i> , 2022, 13, 1-34.	0.6	14
4	Spatial organization of transcribed eukaryotic genes. <i>Nature Cell Biology</i> , 2022, 24, 327-339.	4.6	55
5	Site-Specific Antibody Fragment Conjugates for Reversible Staining in Fluorescence Microscopy. <i>ChemBioChem</i> , 2021, 22, 1205-1209.	1.3	6
6	Loss-of-function mutations in the histone methyltransferase EZH2 promote chemotherapy resistance in AML. <i>Scientific Reports</i> , 2021, 11, 5838.	1.6	22
7	FUS-dependent liquid-liquid phase separation is important for DNA repair initiation. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	86
8	The SARS-CoV-2 unique domain (SUD) of SARS-CoV-2 interacts with human Paip1 to enhance viral RNA translation. <i>EMBO Journal</i> , 2021, 40, e102277.	3.5	26
9	Phosphorylation of the HP1 hinge region sequesters KAP1 in heterochromatin and promotes the exit from naïve pluripotency. <i>Nucleic Acids Research</i> , 2021, 49, 7406-7423.	6.5	9
10	Visualization and characterization of RNA-protein interactions in living cells. <i>Nucleic Acids Research</i> , 2021, 49, e107-e107.	6.5	5
11	Cristae-dependent quality control of the mitochondrial genome. <i>Science Advances</i> , 2021, 7, eabi8886.	4.7	23
12	HP1 carries an acidic linker domain and requires H3K9me3 for phase separation. <i>Nucleus</i> , 2021, 12, 44-57.	0.6	14
13	Loss of KDM6A confers drug resistance in acute myeloid leukemia. <i>Leukemia</i> , 2020, 34, 50-62.	3.3	56
14	Hydroxysuccinimide-Modified Ethynylphosphoramidates Enable the Synthesis of Configurationally Defined Protein Conjugates. <i>ChemBioChem</i> , 2020, 21, 113-119.	1.3	12
15	Distinct and stage-specific contributions of TET1 and TET2 to stepwise cytosine oxidation in the transition from naïve to primed pluripotency. <i>Scientific Reports</i> , 2020, 10, 12066.	1.6	13
16	Recent evolution of a TET-controlled and DPPA3/STELLA-driven pathway of passive DNA demethylation in mammals. <i>Nature Communications</i> , 2020, 11, 5972.	5.8	38
17	Cohesin depleted cells rebuild functional nuclear compartments after endomitosis. <i>Nature Communications</i> , 2020, 11, 6146.	5.8	35
18	Fusion of Bacterial Flagellin to a Dendritic Cell-Targeting $\hat{\pm}$ CD40 Antibody Construct Coupled With Viral or Leukemia-Specific Antigens Enhances Dendritic Cell Maturation and Activates Peptide-Responsive T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 602802.	2.2	7

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19	A protein assembly mediates Xist localization and gene silencing. <i>Nature</i> , 2020, 587, 145-151.	13.7	123
20	Regulatory encoding of quantitative variation in spatial activity of a <i>Drosophila</i> enhancer. <i>Science Advances</i> , 2020, 6, .	4.7	18
21	Cathepsin S Alterations Induce a Tumor-Promoting Immune Microenvironment in Follicular Lymphoma. <i>Cell Reports</i> , 2020, 31, 107522.	2.9	50
22	Super-resolution in situ analysis of active ribosomal DNA chromatin organization in the nucleolus. <i>Scientific Reports</i> , 2020, 10, 7462.	1.6	45
23	Two distinct modes of DNMT1 recruitment ensure stable maintenance DNA methylation. <i>Nature Communications</i> , 2020, 11, 1222.	5.8	82
24	Systematic analysis of the binding behaviour of UHRF1 towards different methyl- and carboxylcytosine modification patterns at CpG dyads. <i>PLoS ONE</i> , 2020, 15, e0229144.	1.1	11
25	Tunable light and drug induced depletion of target proteins. <i>Nature Communications</i> , 2020, 11, 304.	5.8	29
26	Developmental differences in genome replication program and origin activation. <i>Nucleic Acids Research</i> , 2020, 48, 12751-12777.	6.5	14
27	Locus-Specific Chromatin Proteome Revealed by Mass Spectrometry-Based CasID. <i>Methods in Molecular Biology</i> , 2020, 2175, 109-121.	0.4	4
28	BigStitcher: reconstructing high-resolution image datasets of cleared and expanded samples. <i>Nature Methods</i> , 2019, 16, 870-874.	9.0	214
29	Liquid-crystalline phase transitions in lipid droplets are related to cellular states and specific organelle association. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16866-16871.	3.3	64
30	Ethynylphosphoramidates for the Rapid and Cysteine-Selective Generation of Efficacious Antibody-Drug Conjugates. <i>Angewandte Chemie</i> , 2019, 131, 11757-11762.	1.6	10
31	A unified multi-kingdom Golden Gate cloning platform. <i>Scientific Reports</i> , 2019, 9, 10131.	1.6	45
32	Ethynylphosphoramidates for the Rapid and Cysteine-Selective Generation of Efficacious Antibody-Drug Conjugates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11631-11636.	7.2	40
33	Mitochondrial Alkbh1 localises to mtRNA granules and its knockdown induces mitochondrial UPR in humans and <i>C. elegans</i> . <i>Journal of Cell Science</i> , 2019, 132, .	1.2	19
34	Tubulin Tyrosine Ligase-Mediated Modification of Proteins. <i>Methods in Molecular Biology</i> , 2019, 2012, 327-355.	0.4	5
35	Heterochromatin drives compartmentalization of inverted and conventional nuclei. <i>Nature</i> , 2019, 570, 395-399.	13.7	464
36	Cysteine-Selective Phosphoramidate Electrophiles for Modular Protein Bioconjugations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11625-11630.	7.2	76

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37	Cysteinspezifische phosphonamidatbasierte Elektrophile für modulare Biokonjugationen. <i>Angewandte Chemie</i> , 2019, 131, 11751-11756.	1.6	19
38	TuPPL: Tub-tag mediated C-terminal protein-protein-ligation using complementary click-chemistry handles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4964-4969.	1.5	8
39	FLEXamers: A Double Tag for Universal Generation of Versatile Peptide-MHC Multimers. <i>Journal of Immunology</i> , 2019, 202, 2164-2171.	0.4	17
40	Processive DNA synthesis is associated with localized decompaction of constitutive heterochromatin at the sites of DNA replication and repair. <i>Nucleus</i> , 2019, 10, 231-253.	0.6	25
41	One-Step Fluorescent Protein Labeling by Tubulin Tyrosine Ligase. <i>Methods in Molecular Biology</i> , 2019, 2033, 167-189.	0.4	2
42	Tub-Tag Labeling: Chemoenzymatic Incorporation of Unnatural Amino Acids. <i>Methods in Molecular Biology</i> , 2018, 1728, 67-93.	0.4	2
43	Binding of NUFIP2 to Roquin promotes recognition and regulation of ICOS mRNA. <i>Nature Communications</i> , 2018, 9, 299.	5.8	27
44	Growth hormone receptor-deficient pigs resemble the pathophysiology of human Laron syndrome and reveal altered activation of signaling cascades in the liver. <i>Molecular Metabolism</i> , 2018, 11, 113-128.	3.0	79
45	Nanobodies: Strategien zur chemischen Funktionalisierung und intrazelluläre Anwendungen. <i>Angewandte Chemie</i> , 2018, 130, 2336-2357.	1.6	23
46	Nanobodies: Chemical Functionalization Strategies and Intracellular Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2314-2333.	7.2	170
47	Nanoparticle mediated delivery and small molecule triggered activation of proteins in the nucleus. <i>Nucleus</i> , 2018, 9, 530-542.	0.6	5
48	Direct modulation of the bone marrow mesenchymal stromal cell compartment by azacitidine enhances healthy hematopoiesis. <i>Blood Advances</i> , 2018, 2, 3447-3461.	2.5	31
49	KDM2A integrates DNA and histone modification signals through a CXXC/PHD module and direct interaction with HP1. <i>Nucleic Acids Research</i> , 2017, 45, gkw979.	6.5	35
50	Comparative Analysis of Single-Cell RNA Sequencing Methods. <i>Molecular Cell</i> , 2017, 65, 631-643.e4.	4.5	1,131
51	A Simple and Sensitive High-Content Assay for the Characterization of Antiproliferative Therapeutic Antibodies. <i>SLAS Discovery</i> , 2017, 22, 309-315.	1.4	6
52	Universal Super-Resolution Multiplexing by DNA Exchange. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4052-4055.	7.2	79
53	Quantitative 3D structured illumination microscopy of nuclear structures. <i>Nature Protocols</i> , 2017, 12, 1011-1028.	5.5	72
54	L1 retrotransposition is activated by Ten-eleven-translocation protein 1 and repressed by methyl-CpG binding proteins. <i>Nucleus</i> , 2017, 8, 548-562.	0.6	19

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55	Identification of the elementary structural units of the DNA damage response. <i>Nature Communications</i> , 2017, 8, 15760.	5.8	141
56	Small chromosomal regions position themselves autonomously according to their chromatin class. <i>Genome Research</i> , 2017, 27, 922-933.	2.4	39
57	Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. <i>Chemical Science</i> , 2017, 8, 3471-3478.	3.7	31
58	Ubiquitome Analysis Reveals PCNA-Associated Factor 15 (PAF15) as a Specific Ubiquitination Target of UHRF1 in Embryonic Stem Cells. <i>Journal of Molecular Biology</i> , 2017, 429, 3814-3824.	2.0	43
59	cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming protein-DNA ladders. <i>Nature</i> , 2017, 549, 394-398.	13.7	346
60	Cell-permeable nanobodies for targeted immunolabelling and antigen manipulation in living cells. <i>Nature Chemistry</i> , 2017, 9, 762-771.	6.6	216
61	Desmoglein 2 regulates the intestinal epithelial barrier via p38 mitogen-activated protein kinase. <i>Scientific Reports</i> , 2017, 7, 6329.	1.6	48
62	Synthesis and Functionalization of Ordered Large-Pore Mesoporous Silica Nanoparticles for Biomedical Applications. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 876-886.	0.4	7
63	Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. <i>Molecular Cell</i> , 2017, 67, 550-565.e5.	4.5	151
64	CRISPR-assisted receptor deletion reveals distinct roles for ERBB2 and ERBB3 in skin keratinocytes. <i>FEBS Journal</i> , 2017, 284, 3339-3349.	2.2	10
65	Roquin Suppresses the PI3K-mTOR Signaling Pathway to Inhibit T Helper Cell Differentiation and Conversion of Treg to Tfr Cells. <i>Immunity</i> , 2017, 47, 1067-1082.e12.	6.6	109
66	Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. <i>EMBO Journal</i> , 2017, 36, 2263-2279.	3.5	48
67	Intracellular Delivery of Nanobodies for Imaging of Target Proteins in Live Cells. <i>Pharmaceutical Research</i> , 2017, 34, 161-174.	1.7	26
68	Binding of MBD proteins to DNA blocks Tet1 function thereby modulating transcriptional noise. <i>Nucleic Acids Research</i> , 2017, 45, 2438-2457.	6.5	38
69	DNMT1 mutations found in HSNIE patients affect interaction with UHRF1 and neuronal differentiation. <i>Human Molecular Genetics</i> , 2017, 26, 1522-1534.	1.4	40
70	CDK9-dependent RNA polymerase II pausing controls transcription initiation. <i>ELife</i> , 2017, 6, .	2.8	179
71	Initial high-resolution microscopic mapping of active and inactive regulatory sequences proves non-random 3D arrangements in chromatin domain clusters. <i>Epigenetics and Chromatin</i> , 2017, 10, 39.	1.8	34
72	Intracellular chromobody delivery by mesoporous silica nanoparticles for antigen targeting and visualization in real time. <i>Scientific Reports</i> , 2016, 6, 25019.	1.6	37

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73	Secretory cargo sorting by Ca ²⁺ -dependent Cab45 oligomerization at the trans-Golgi network. <i>Journal of Cell Biology</i> , 2016, 213, 305-314.	2.3	45
74	Visualization of Genomic Loci in Living Cells with a Fluorescent CRISPR/Cas9 System. <i>Methods in Molecular Biology</i> , 2016, 1411, 407-417.	0.4	9
75	p53 down-regulates SARS coronavirus replication and is targeted by the SARS-unique domain and PL ^{pro} via E3 ubiquitin ligase RCHY1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5192-201.	3.3	172
76	Determination of local chromatin composition by CasID. <i>Nucleus</i> , 2016, 7, 476-484.	0.6	55
77	Poly(ADP-ribosyl)ation of Methyl CpG Binding Domain Protein 2 Regulates Chromatin Structure. <i>Journal of Biological Chemistry</i> , 2016, 291, 4873-4881.	1.6	28
78	Current Status: Site-Specific Antibody Drug Conjugates. <i>Journal of Clinical Immunology</i> , 2016, 36, 100-107.	2.0	120
79	Versatile and Efficient Site-Specific Protein Functionalization by Tubulin Tyrosine Ligase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13787-13791.	7.2	82
80	Nanobodies and recombinant binders in cell biology. <i>Journal of Cell Biology</i> , 2015, 209, 633-644.	2.3	195
81	EGFR/ERBB receptors differentially modulate sebaceous lipogenesis. <i>FEBS Letters</i> , 2015, 589, 1376-1382.	1.3	18
82	Generation of an alpaca-derived nanobody recognizing γ -H2AX. <i>FEBS Open Bio</i> , 2015, 5, 779-788.	1.0	19
83	Phosphorylation of TET Proteins Is Regulated via O-GlcNAcylation by the O-Linked N-Acetylglucosamine Transferase (OGT). <i>Journal of Biological Chemistry</i> , 2015, 290, 4801-4812.	1.6	102
84	DNA methylation requires a DNMT1 ubiquitin interacting motif (UIM) and histone ubiquitination. <i>Cell Research</i> , 2015, 25, 911-929.	5.7	201
85	The CENP-T C-Terminus Is Exclusively Proximal to H3.1 and not to H3.2 or H3.3. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5839-5863.	1.8	7
86	A modular open platform for systematic functional studies under physiological conditions. <i>Nucleic Acids Research</i> , 2015, 43, e112-e112.	6.5	39
87	Energy profile of nanobody-GFP complex under force. <i>Physical Biology</i> , 2015, 12, 056009.	0.8	11
88	Characterization of the sebocyte lipid droplet proteome reveals novel potential regulators of sebaceous lipogenesis. <i>Experimental Cell Research</i> , 2015, 332, 146-155.	1.2	28
89	Visualization of specific DNA sequences in living mouse embryonic stem cells with a programmable fluorescent CRISPR/Cas system. <i>Nucleus</i> , 2014, 5, 163-172.	0.6	146
90	TET-mediated oxidation of methylcytosine causes TDG or NEIL glycosylase dependent gene reactivation. <i>Nucleic Acids Research</i> , 2014, 42, 8592-8604.	6.5	79

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91	DNA methylation reader MECP2: cell type- and differentiation stage-specific protein distribution. <i>Epigenetics and Chromatin</i> , 2014, 7, 17.	1.8	55
92	Diurnality and Nocturnality in Primates: An Analysis from the Rod Photoreceptor Nuclei Perspective. <i>Evolutionary Biology</i> , 2014, 41, 1-11.	0.5	27
93	Rad50-CARD9 interactions link cytosolic DNA sensing to IL-1 β production. <i>Nature Immunology</i> , 2014, 15, 538-545.	7.0	132
94	Tet oxidizes thymine to 5-hydroxymethyluracil in mouse embryonic stem cell DNA. <i>Nature Chemical Biology</i> , 2014, 10, 574-581.	3.9	270
95	Targeting and tracing of specific DNA sequences with dTALEs in living cells. <i>Nucleic Acids Research</i> , 2014, 42, e38-e38.	6.5	66
96	Poly(ADP-ribose) Polymerase 1 (PARP1) Associates with E3 Ubiquitin-Protein Ligase UHRF1 and Modulates UHRF1 Biological Functions. <i>Journal of Biological Chemistry</i> , 2014, 289, 16223-16238.	1.6	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. <i>Epigenetics and Chromatin</i> , 2014, 7, 8.	1.8	148
98	A CENP-S/X complex assembles at the centromere in S and G2 phases of the human cell cycle. <i>Open Biology</i> , 2014, 4, 130229.	1.5	20
99	Parallel Force Assay for Protein-Protein Interactions. <i>PLoS ONE</i> , 2014, 9, e115049.	1.1	8
100	Epigenetics of eu- and heterochromatin in inverted and conventional nuclei from mouse retina. <i>Chromosome Research</i> , 2013, 21, 535-554.	1.0	53
101	Dynamic Readers for 5-(Hydroxy)Methylcytosine and Its Oxidized Derivatives. <i>Cell</i> , 2013, 152, 1146-1159.	13.5	888
102	LBR and Lamin A/C Sequentially Tether Peripheral Heterochromatin and Inversely Regulate Differentiation. <i>Cell</i> , 2013, 152, 584-598.	13.5	681
103	Dissection of cell cycle-dependent dynamics of Dnmt1 by FRAP and diffusion-coupled modeling. <i>Nucleic Acids Research</i> , 2013, 41, 4860-4876.	6.5	56
104	Visualization and targeted disruption of protein interactions in living cells. <i>Nature Communications</i> , 2013, 4, 2660.	5.8	140
105	Intrinsic and Extrinsic Connections of Tet3 Dioxygenase with CXXC Zinc Finger Modules. <i>PLoS ONE</i> , 2013, 8, e62755.	1.1	36
106	Histone hypoacetylation is required to maintain late replication timing of constitutive heterochromatin. <i>Nucleic Acids Research</i> , 2012, 40, 159-169.	6.5	58
107	CENP-C facilitates the recruitment of M18BP1 to centromeric chromatin. <i>Nucleus</i> , 2012, 3, 101-110.	0.6	111
108	Global DNA Hypomethylation Prevents Consolidation of Differentiation Programs and Allows Reversion to the Embryonic Stem Cell State. <i>PLoS ONE</i> , 2012, 7, e52629.	1.1	34

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109	Reliable detection of epigenetic histone marks and nuclear proteins in tissue cryosections. <i>Chromosome Research</i> , 2012, 20, 849-858.	1.0	22
110	The Fluorescent Two-Hybrid (F2H) Assay for Direct Analysis of Protein-Protein Interactions in Living Cells. <i>Methods in Molecular Biology</i> , 2012, 812, 275-282.	0.4	26
111	Targeted transcriptional activation of silent oct4 pluripotency gene by combining designer TALEs and inhibition of epigenetic modifiers. <i>Nucleic Acids Research</i> , 2012, 40, 5368-5377.	6.5	178
112	Fluorescent Protein Specific Nanotraps to Study Protein-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. <i>Methods in Molecular Biology</i> , 2012, 911, 569-575.	0.4	27
114	Direct and Dynamic Detection of HIV-1 in Living Cells. <i>PLoS ONE</i> , 2012, 7, e50026.	1.1	42
115	Structure, function and dynamics of nuclear subcompartments. <i>Current Opinion in Cell Biology</i> , 2012, 24, 79-85.	2.6	21
116	Controlling The Mobility Of Oligonucleotides In The Nanochannels Of Mesoporous Silica. <i>Advanced Functional Materials</i> , 2012, 22, 106-112.	7.8	13
117	Biomedical Applications: Controlling The Mobility Of Oligonucleotides In The Nanochannels Of Mesoporous Silica (<i>Adv. Funct. Mater.</i> 1/2012). <i>Advanced Functional Materials</i> , 2012, 22, 2-2.	7.8	0
118	Step-Wise Assembly, Maturation and Dynamic Behavior of the Human CENP-P/O/R/Q/U Kinetochore Sub-Complex. <i>PLoS ONE</i> , 2012, 7, e44717.	1.1	32
119	Cortical Constriction During Abscission Involves Helices of ESCRT-III-Dependent Filaments. <i>Science</i> , 2011, 331, 1616-1620.	6.0	444
120	Generation and Characterization of Rat and Mouse Monoclonal Antibodies Specific for MeCP2 and Their Use in X-Inactivation Studies. <i>PLoS ONE</i> , 2011, 6, e26499.	1.1	20
121	Engineering antibodies and proteins for molecular in vivo imaging. <i>Current Opinion in Biotechnology</i> , 2011, 22, 882-887.	3.3	44
122	Usp7 and Uhrf1 control ubiquitination and stability of the maintenance DNA methyltransferase Dnmt1. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 439-444.	1.2	134
123	Cooperative DNA and histone binding by Uhrf2 links the two major repressive epigenetic pathways. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2585-2593.	1.2	62
124	Histone acetylation controls the inactive X chromosome replication dynamics. <i>Nature Communications</i> , 2011, 2, 222.	5.8	45
125	Recognition of 5-Hydroxymethylcytosine by the Uhrf1 SRA Domain. <i>PLoS ONE</i> , 2011, 6, e21306.	1.1	159
126	Regulation of DNA methyltransferase 1 by interactions and modifications. <i>Nucleus</i> , 2011, 2, 392-402.	0.6	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.	3.3	19
128	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
129	MeCP2 Rett mutations affect large scale chromatin organization. Human Molecular Genetics, 2011, 20, 4187-4195.	1.4	72
130	Characterization of PvuRts1I endonuclease as a tool to investigate genomic 5-hydroxymethylcytosine. Nucleic Acids Research, 2011, 39, 5149-5156.	6.5	51
131	Magnetosome Expression of Functional Camelid Antibody Fragments (Nanobodies) in Magnetospirillum gryphiswaldense. Applied and Environmental Microbiology, 2011, 77, 6165-6171.	1.4	63
132	Different Binding Properties and Function of CXXC Zinc Finger Domains in Dnmt1 and Tet1. PLoS ONE, 2011, 6, e16627.	1.1	87
133	Novel antibody derivatives for proteome and high-content analysis. Analytical and Bioanalytical Chemistry, 2010, 397, 3203-3208.	1.9	27
134	Modulation of protein properties in living cells using nanobodies. Nature Structural and Molecular Biology, 2010, 17, 133-138.	3.6	494
135	The multi-domain protein Np95 connects DNA methylation and histone modification. Nucleic Acids Research, 2010, 38, 1796-1804.	6.5	139
136	Sensitive enzymatic quantification of 5-hydroxymethylcytosine in genomic DNA. Nucleic Acids Research, 2010, 38, e181-e181.	6.5	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.	2.3	106
138	Differentiation and large scale spatial organization of the genome. Current Opinion in Genetics and Development, 2010, 20, 562-569.	1.5	66
139	A guide to super-resolution fluorescence microscopy. Journal of Cell Biology, 2010, 190, 165-175.	2.3	1,131
140	A versatile non-radioactive assay for DNA methyltransferase activity and DNA binding. Nucleic Acids Research, 2009, 37, e22-e22.	6.5	22
141	Dimerization of DNA methyltransferase 1 is mediated by its regulatory domain. Journal of Cellular Biochemistry, 2009, 106, 521-528.	1.2	40
142	DNA methylation-mediated epigenetic control. Journal of Cellular Biochemistry, 2009, 108, 43-51.	1.2	111
143	Np95 interacts with <i>de novo</i> 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
144	Spatiotemporal dynamics of regulatory protein recruitment at DNA damage sites. Journal of Cellular Biochemistry, 2008, 104, 1562-1569.	1.2	23

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145	A mutagenesis strategy combining systematic alanine scanning with larger mutations to study protein interactions. <i>Analytical Biochemistry</i> , 2008, 373, 176-178.	1.1	8
146	Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy. <i>Science</i> , 2008, 320, 1332-1336.	6.0	1,016
147	Probing Intranuclear Environments at the Single-Molecule Level. <i>Biophysical Journal</i> , 2008, 94, 2847-2858.	0.2	85
148	Generation and Characterization of a Rat Monoclonal Antibody Specific for Multiple Red Fluorescent Proteins. <i>Hybridoma</i> , 2008, 27, 337-343.	0.5	26
149	Discontinuous movement of mRNP particles in nucleoplasmic regions devoid of chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20291-20296.	3.3	74
150	A Fluorescent Two-hybrid Assay for Direct Visualization of Protein Interactions in Living Cells. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2279-2287.	2.5	81
151	The PHD Domain of Np95 (mUHRF1) Is Involved in Large-Scale Reorganization of Pericentromeric Heterochromatin. <i>Molecular Biology of the Cell</i> , 2008, 19, 3554-3563.	0.9	62
152	Identifying specific protein interaction partners using quantitative mass spectrometry and bead proteomes. <i>Journal of Cell Biology</i> , 2008, 183, 223-239.	2.3	404
153	A Versatile Nanotrap for Biochemical and Functional Studies with Fluorescent Fusion Proteins. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 282-289.	2.5	616
154	Generation and Characterization of a Rat Monoclonal Antibody Specific for PCNA. <i>Hybridoma</i> , 2008, 27, 91-98.	0.5	14
155	MeCP2 interacts with HP1 and modulates its heterochromatin association during myogenic differentiation. <i>Nucleic Acids Research</i> , 2007, 35, 5402-5408.	6.5	137
156	Feedback-regulated poly(ADP-ribosylation) by PARP-1 is required for rapid response to DNA damage in living cells. <i>Nucleic Acids Research</i> , 2007, 35, 7665-7675.	6.5	271
157	Dynamics of Dnmt1 interaction with the replication machinery and its role in postreplicative maintenance of DNA methylation. <i>Nucleic Acids Research</i> , 2007, 35, 4301-4312.	6.5	200
158	DNMT1 but not its interaction with the replication machinery is required for maintenance of DNA methylation in human cells. <i>Journal of Cell Biology</i> , 2007, 176, 565-571.	2.3	171
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