

# Frank Buchholz

## List of Publications by Year in descending order

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151  
papers

14,186  
citations

28274

55  
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22166

113  
g-index

163  
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163  
docs citations

163  
times ranked

22042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformational dynamics promotes disordered regions from function-dispensable to essential in evolved site-specific DNA recombinases. Computational and Structural Biotechnology Journal, 2022, 20, 989-1001.	4.1	4
2	Correction of a Factor VIII genomic inversion with designer-recombinases. Nature Communications, 2022, 13, 422.	12.8	14
3	Pairing of single mutations yields obligate Cre-type site-specific recombinases. Nucleic Acids Research, 2022, 50, 1174-1186.	14.5	10
4	DNA methylation-independent long-term epigenetic silencing with dCRISPR/Cas9 fusion proteins. Life Science Alliance, 2022, 5, e202101321.	2.8	3
5	RNAi-Mediated Screen of Primary AML Cells Nominates MDM4 as a Therapeutic Target in NK-AML with DNMT3A Mutations. Cells, 2022, 11, 854.	4.1	3
6	Loss of USP28 and SPINT2 expression promotes cancer cell survival after whole genome doubling. Cellular Oncology (Dordrecht), 2022, 45, 103-119.	4.4	8
7	Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. Cell Stem Cell, 2022, 29, 760-775.e10.	11.1	29
8	Different Effects of RNAi-Mediated Downregulation or Chemical Inhibition of NAMPT in an Isogenic IDH Mutant and Wild-Type Glioma Cell Model. International Journal of Molecular Sciences, 2022, 23, 5787.	4.1	3
9	Efficient Correction of Oncogenic <i>KRAS</i> and <i>TP53</i> Mutations through CRISPR Base Editing. Cancer Research, 2022, 82, 3002-3015.	0.9	12
10	Efficient and gentle delivery of molecules into cells with different elasticity <i>via</i> Progressive Mechanoporation. Lab on A Chip, 2021, 21, 2437-2452.	6.0	16
11	The Paf1 complex positively regulates enhancer activity in mouse embryonic stem cells. Life Science Alliance, 2021, 4, e202000792.	2.8	15
12	A heterodimer of evolved designer-recombinases precisely excises a human genomic DNA locus. Nucleic Acids Research, 2020, 48, 472-485.	14.5	20
13	Nearest-neighbor amino acids of specificity-determining residues influence the activity of engineered Cre-type recombinases. Scientific Reports, 2020, 10, 13985.	3.3	6
14	Efficient Generation and Correction of Mutations in Human iPS Cells Utilizing mRNAs of CRISPR Base Editors and Prime Editors. Genes, 2020, 11, 511.	2.4	86
15	Zfp281 orchestrates interconversion of pluripotent states by engaging Ehmt1 and Zic2. EMBO Journal, 2020, 39, e102591.	7.8	20
16	Comparison of GeneChip, nCounter, and Real-Time PCR-Based Gene Expressions Predicting Locoregional Tumor Control after Primary and Postoperative Radiochemotherapy in Head and Neck Squamous Cell Carcinoma. Journal of Molecular Diagnostics, 2020, 22, 801-810.	2.8	10
17	<i>MLLT6</i> maintains <i>PD-L1</i> expression and mediates tumor immune resistance. EMBO Reports, 2020, 21, e50155.	4.5	13
18	CRISPR/Cas9 as a tool to dissect cancer mutations. Methods, 2019, 164-165, 36-48.	3.8	5

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19	Comparative RNAi Screens in Isogenic Human Stem Cells Reveal SMARCA4 as a Differential Regulator. <i>Stem Cell Reports</i> , 2019, 12, 1084-1098.	4.8	10
20	Independent validation of tumour volume, cancer stem cell markers and hypoxia-associated gene expressions for HNSCC after primary radiochemotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2019, 16, 40-47.	1.7	32
21	Repeat FMISO-PET imaging weakly correlates with hypoxia-associated gene expressions for locally advanced HNSCC treated by primary radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2019, 135, 43-50.	0.6	25
22	A Tug-of-War between Cell Shape and Polarity Controls Division Orientation to Ensure Robust Patterning in the Mouse Blastocyst. <i>Developmental Cell</i> , 2019, 51, 564-574.e6.	7.0	54
23	In-cell identification and measurement of RNA-protein interactions. <i>Nature Communications</i> , 2019, 10, 5317.	12.8	43
24	Assessment and site-specific manipulation of DNA (hydroxy-)methylation during mouse corticogenesis. <i>Life Science Alliance</i> , 2019, 2, e201900331.	2.8	20
25	Comparison of detection methods for HPV status as a prognostic marker for loco-regional control after radiochemotherapy in patients with HNSCC. <i>Radiotherapy and Oncology</i> , 2018, 127, 27-35.	0.6	17
26	Development and Validation of a Gene Signature for Patients with Head and Neck Carcinomas Treated by Postoperative Radio(chemo)therapy. <i>Clinical Cancer Research</i> , 2018, 24, 1364-1374.	7.0	45
27	Protein Dynamics in Complex DNA Lesions. <i>Molecular Cell</i> , 2018, 69, 1046-1061.e5.	9.7	128
28	MS Western, a Method of Multiplexed Absolute Protein Quantification is a Practical Alternative to Western Blotting. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 384-396.	3.8	32
29	A single reporter mouse line for Vika, Flp, Dre, and Cre-recombination. <i>Scientific Reports</i> , 2018, 8, 14453.	3.3	22
30	Analysis of Runx1 Using Induced Gene Ablation Reveals Its Essential Role in Pre-liver HSC Development and Limitations of an In Vivo Approach. <i>Stem Cell Reports</i> , 2018, 11, 784-794.	4.8	12
31	OC-0276: Combining different genomic signatures to improve the prognostic power for LRC after PORT-C in HNSCC. <i>Radiotherapy and Oncology</i> , 2018, 127, S140-S141.	0.6	0
32	Downregulation of PIK3CA via antibody-esiRNA-complexes suppresses human xenograft tumor growth. <i>PLoS ONE</i> , 2018, 13, e0200163.	2.5	6
33	Transcription factor Runx1 is pro-neurogenic in adult hippocampal precursor cells. <i>PLoS ONE</i> , 2018, 13, e0190789.	2.5	13
34	The long noncoding RNA lncR492 inhibits neural differentiation of murine embryonic stem cells. <i>PLoS ONE</i> , 2018, 13, e0191682.	2.5	16
35	STK3 is a therapeutic target for a subset of acute myeloid leukemias. <i>Oncotarget</i> , 2018, 9, 25458-25473.	1.8	10
36	The Apical Domain Is Required and Sufficient for the First Lineage Segregation in the Mouse Embryo. <i>Developmental Cell</i> , 2017, 40, 235-247.e7.	7.0	183

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37	Phylointeractomics reconstructs functional evolution of protein binding. <i>Nature Communications</i> , 2017, 8, 14334.	12.8	26
38	<scp>ZBTB</scp>48 is both a vertebrate telomereâ€binding protein and a transcriptional activator. <i>EMBO Reports</i> , 2017, 18, 929-946.	4.5	50
39	Purified Cas9 Fusion Proteins for Advanced Genome Manipulation. <i>Small Methods</i> , 2017, 1, 1600052.	8.6	11
40	Genome-scale single-cell mechanical phenotyping reveals disease-related genes involved in mitotic rounding. <i>Nature Communications</i> , 2017, 8, 1266.	12.8	52
41	Crystal structure of an engineered, HIV-specific recombinase for removal of integrated proviral DNA. <i>Nucleic Acids Research</i> , 2017, 45, 9726-9740.	14.5	8
42	Development of a genetic sensor that eliminates p53 deficient cells. <i>Nature Communications</i> , 2017, 8, 1463.	12.8	15
43	Inactivation of Cancer Mutations Utilizing CRISPR/Cas9. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	30
44	lncRNA Panct1 Maintains Mouse Embryonic Stem Cell Identity by Regulating TOBF1 Recruitment to Oct-Sox Sequences in Early G1. <i>Cell Reports</i> , 2017, 21, 3012-3021.	6.4	35
45	HPV status, cancer stem cell marker expression, hypoxia gene signatures and tumour volume identify good prognosis subgroups in patients with HNSCC after primary radiochemotherapy: A multicentre retrospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>Radiotherapy and Oncology</i> , 2016, 121, 364-373.	0.6	130
46	Independent validation of the prognostic value of cancer stem cell marker expression and hypoxia-induced gene expression for patients with locally advanced HNSCC after postoperative radiotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2016, 1, 19-26.	1.7	22
47	Discovery of Nigri/nox and Panto/pox site-specific recombinase systems facilitates advanced genome engineering. <i>Scientific Reports</i> , 2016, 6, 30130.	3.3	27
48	Dissecting mechanisms of mouse embryonic stem cells heterogeneity through a model-based analysis of transcription factor dynamics. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160167.	3.4	15
49	Cre Recombinase and Other Tyrosine Recombinases. <i>Chemical Reviews</i> , 2016, 116, 12785-12820.	47.7	104
50	Antiviral therapy of persistent viral infection using genome editing. <i>Current Opinion in Virology</i> , 2016, 20, 85-91.	5.4	11
51	Low Cancer Stem Cell Marker Expression and Low Hypoxia Identify Good Prognosis Subgroups in HPV(â€) HNSCC after Postoperative Radiochemotherapy: A Multicenter Study of the DKTK-ROG. <i>Clinical Cancer Research</i> , 2016, 22, 2639-2649.	7.0	127
52	Antibody-coupled siRNA as an efficient method for in vivo mRNA knockdown. <i>Nature Protocols</i> , 2016, 11, 22-36.	12.0	39
53	Directed evolution of a recombinase that excises the provirus of most HIV-1 primary isolates with high specificity. <i>Nature Biotechnology</i> , 2016, 34, 401-409.	17.5	108
54	CRISPR/Cas9 nickase-mediated disruption of hepatitis B virus open reading frame S and X. <i>Scientific Reports</i> , 2015, 5, 13734.	3.3	97

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55	RNAi profiling of primary human AML cells identifies ROCK1 as a therapeutic target and nominates fasudil as an antileukemic drug. <i>Blood</i> , 2015, 125, 3760-3768.	1.4	53
56	P025: CRISPR/Cas9 nickase-mediated inactivation of hepatitis B virus replication. <i>Journal of Viral Hepatitis</i> , 2015, 22, 31-31.	2.0	0
57	Systems Analyses Reveal Shared and Diverse Attributes of Oct4 Regulation in Pluripotent Cells. <i>Cell Systems</i> , 2015, 1, 141-151.	6.2	15
58	Antibody-Mediated Delivery of Anti-KRAS siRNA In Vivo Overcomes Therapy Resistance in Colon Cancer. <i>Clinical Cancer Research</i> , 2015, 21, 1383-1394.	7.0	95
59	The iBeetle large-scale RNAi screen reveals gene functions for insect development and physiology. <i>Nature Communications</i> , 2015, 6, 7822.	12.8	139
60	Targeting Human Long Noncoding Transcripts by Endoribonuclease-Prepared siRNAs. <i>Journal of Biomolecular Screening</i> , 2015, 20, 1018-1026.	2.6	12
61	A Human Interactome in Three Quantitative Dimensions Organized by Stoichiometries and Abundances. <i>Cell</i> , 2015, 163, 712-723.	28.9	1,132
62	Stage-Specific Binding Profiles of Cohesin in Resting and Activated B Lymphocytes Suggest a Role for Cohesin in Immunoglobulin Class Switching and Maturation. <i>PLoS ONE</i> , 2014, 9, e111748.	2.5	8
63	Universal Tre (uTre) recombinase specifically targets the majority of HIV-1 isolates. <i>Journal of the International AIDS Society</i> , 2014, 17, 19706.	3.0	10
64	Runx1 is required for progression of CD41+ embryonic precursors into HSCs but not prior to this. <i>Development (Cambridge)</i> , 2014, 141, 3319-3323.	2.5	36
65	G-107 Pronounced antiviral activity of next-generation LTR-specific Tre-recombinase. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014, 67, 70.	2.1	0
66	Interplay of Acetyltransferase EP300 and the Proteasome System in Regulating Heat Shock Transcription Factor 1. <i>Cell</i> , 2014, 156, 975-985.	28.9	130
67	Mitotic Cell Shape - RNA Interference Screening for Genes Involved in Mechanics using Atomic Force Microscopy. <i>Biophysical Journal</i> , 2014, 106, 787a.	0.5	0
68	The Coilin Interactome Identifies Hundreds of Small Noncoding RNAs that Traffic through Cajal Bodies. <i>Molecular Cell</i> , 2014, 56, 389-399.	9.7	88
69	Another Brick in the Wall: RNAi Screens Identify New Barriers in iPSC Reprogramming. <i>Cell Stem Cell</i> , 2014, 15, 116-118.	11.1	3
70	Quantitative interaction screen of telomeric repeat-containing RNA reveals novel TERRA regulators. <i>Genome Research</i> , 2013, 23, 2149-2157.	5.5	69
71	The histone demethylase UTX regulates stem cell migration and hematopoiesis. <i>Blood</i> , 2013, 121, 2462-2473.	1.4	93
72	Engineered DNA modifying enzymes: Components of a future strategy to cure HIV/AIDS. <i>Antiviral Research</i> , 2013, 97, 211-217.	4.1	8

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73	Designing Efficient and Specific Endoribonuclease-Prepared siRNAs. <i>Methods in Molecular Biology</i> , 2013, 942, 193-204.	0.9	15
74	Vika/vox, a novel efficient and specific Cre/loxP-like site-specific recombination system. <i>Nucleic Acids Research</i> , 2013, 41, e37-e37.	14.5	50
75	HOT1 is a mammalian direct telomere repeat-binding protein contributing to telomerase recruitment. <i>EMBO Journal</i> , 2013, 32, 1681-1701.	7.8	74
76	Highly Significant Antiviral Activity of HIV-1 LTR-Specific Tre-Recombinase in Humanized Mice. <i>PLoS Pathogens</i> , 2013, 9, e1003587.	4.7	55
77	Engineering of a target site-specific recombinase by a combined evolution- and structure-guided approach. <i>Nucleic Acids Research</i> , 2013, 41, 2394-2403.	14.5	31
78	Interaction between AP-5 and the hereditary spastic paraplegia proteins SPG11 and SPG15. <i>Molecular Biology of the Cell</i> , 2013, 24, 2558-2569.	2.1	95
79	A genome-wide RNAi screen identifies proteins modulating aberrant FLT3-ITD signaling. <i>Leukemia</i> , 2013, 27, 2301-2310.	7.2	8
80	Runx1 is essential at two stages of early murine B-cell development. <i>Blood</i> , 2013, 122, 413-423.	1.4	47
81	Combined RNAi and localization for functionally dissecting long noncoding RNAs. <i>Nature Methods</i> , 2012, 9, 360-362.	19.0	62
82	3D Profile-Based Approach to Proteome-Wide Discovery of Novel Human Chemokines. <i>PLoS ONE</i> , 2012, 7, e36151.	2.5	6
83	Polycomb group ring finger 1 cooperates with Runx1 in regulating differentiation and self-renewal of hematopoietic cells. <i>Blood</i> , 2012, 119, 4152-4161.	1.4	42
84	From RNAi Screens to Molecular Function in Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 32-42.	5.6	13
85	Excision of HIV-1 Proviral DNA by Recombinant Cell Permeable Tre-Recombinase. <i>PLoS ONE</i> , 2012, 7, e31576.	2.5	27
86	A systematic RNAi synthetic interaction screen reveals a link between p53 and snoRNP assembly. <i>Nature Cell Biology</i> , 2011, 13, 809-818.	10.3	74
87	In vitro evolution and analysis of HIV-1 LTR-specific recombinases. <i>Methods</i> , 2011, 53, 102-109.	3.8	27
88	High-throughput RNAi screening in mammalian cells with esiRNAs. <i>Methods</i> , 2011, 53, 424-429.	3.8	13
89	RAD21 Cooperates with Pluripotency Transcription Factors in the Maintenance of Embryonic Stem Cell Identity. <i>PLoS ONE</i> , 2011, 6, e19470.	2.5	109
90	Ribosome biogenesis and p53: Who is regulating whom?. <i>Cell Cycle</i> , 2011, 10, 3417-3418.	2.6	5

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91	An RNA Interference Phenotypic Screen Identifies a Role for FGF Signals in Colon Cancer Progression. PLoS ONE, 2011, 6, e23381.	2.5	23
92	MISSION esiRNA for RNAi Screening in Mammalian Cells. Journal of Visualized Experiments, 2010, , .	0.3	12
93	PhenoFam-gene set enrichment analysis through protein structural information. BMC Bioinformatics, 2010, 11, 254.	2.6	6
94	A domesticated transposon mediates the effects of a single nucleotide polymorphism responsible for enhanced muscle growth. EMBO Reports, 2010, 11, 305-311.	4.5	53
95	Systems survey of endocytosis by multiparametric image analysis. Nature, 2010, 464, 243-249.	27.8	407
96	SeLOXâ€”a locus of recombination site search tool for the detection and directed evolution of site-specific recombination systems. Nucleic Acids Research, 2010, 38, W293-W298.	14.5	20
97	A Genome-Scale DNA Repair RNAi Screen Identifies SPG48 as a Novel Gene Associated with Hereditary Spastic Paraplegia. PLoS Biology, 2010, 8, e1000408.	5.6	164
98	Systematic Analysis of Human Protein Complexes Identifies Chromosome Segregation Proteins. Science, 2010, 328, 593-599.	12.6	465
99	Dre recombinase, like Cre, is a highly efficient site-specific recombinase in <i>E. coli</i> , mammalian cells and mice. DMM Disease Models and Mechanisms, 2009, 2, 508-515.	2.4	254
100	SKAnking with Ska3: Essential role of Ska3 in cell division revealed by combined phenotypic profiling. Cell Cycle, 2009, 8, 3435-3437.	2.6	10
101	Three LIF-dependent signatures and gene clusters with atypical expression profiles, identified by transcriptome studies in mouse ES cells and early derivatives. BMC Genomics, 2009, 10, 73.	2.8	29
102	HAUS, the 8-Subunit Human Augmin Complex, Regulates Centrosome and Spindle Integrity. Current Biology, 2009, 19, 816-826.	3.9	231
103	Comparative profiling identifies C13orf3 as a component of the Ska complex required for mammalian cell division. EMBO Journal, 2009, 28, 1453-1465.	7.8	89
104	Engineering DNA processing enzymes for the postgenomic era. Current Opinion in Biotechnology, 2009, 20, 383-389.	6.6	14
105	A Genome-Scale RNAi Screen for Oct4 Modulators Defines a Role of the Paf1 Complex for Embryonic Stem Cell Identity. Cell Stem Cell, 2009, 4, 403-415.	11.1	252
106	The Symplekin/ZONAB Complex Inhibits Intestinal Cell Differentiation by the Repression of AML1/Runx1. Gastroenterology, 2009, 137, 156-164.e3.	1.3	33
107	The FunGenES Database: A Genomics Resource for Mouse Embryonic Stem Cell Differentiation. PLoS ONE, 2009, 4, e6804.	2.5	54
108	BAC TransgeneOmics: a high-throughput method for exploration of protein function in mammals. Nature Methods, 2008, 5, 409-415.	19.0	568

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109	Systems biology of mammalian cell division. <i>Cell Cycle</i> , 2008, 7, 2123-2128.	2.6	13
110	Molecular Evolution of the Tre Recombinase. <i>Journal of Visualized Experiments</i> , 2008, , .	0.3	3
111	HIV-1 Proviral DNA Excision Using an Evolved Recombinase. <i>Science</i> , 2007, 316, 1912-1915.	12.6	193
112	RUNX1 DNA-Binding Mutants, Associated with Minimally Differentiated Acute Myelogenous Leukemia, Disrupt Myeloid Differentiation. <i>Cancer Research</i> , 2007, 67, 537-545.	0.9	30
113	Genome-scale RNAi profiling of cell division in human tissue culture cells. <i>Nature Cell Biology</i> , 2007, 9, 1401-1412.	10.3	270
114	Genome-wide resources of endoribonuclease-prepared short interfering RNAs for specific loss-of-function studies. <i>Nature Methods</i> , 2007, 4, 337-344.	19.0	167
115	Tandem affinity purification of functional TAP-tagged proteins from human cells. <i>Nature Protocols</i> , 2007, 2, 1145-1151.	12.0	57
116	Production of Endoribonuclease-Prepared Short Interfering RNAs (esiRNAs) for Specific and Effective Gene Silencing in Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , 2007, 2007, pdb.prot4824.	0.3	9
117	Minimizing the risk of reporting false positives in large-scale RNAi screens. <i>Nature Methods</i> , 2006, 3, 777-779.	19.0	417
118	Enzymatically prepared RNAi libraries. <i>Nature Methods</i> , 2006, 3, 696-700.	19.0	69
119	Protein phosphatase 2A protects centromeric sister chromatid cohesion during meiosis I. <i>Nature</i> , 2006, 441, 53-61.	27.8	419
120	AML1 deletion in adult mice causes splenomegaly and lymphomas. <i>Oncogene</i> , 2006, 25, 929-939.	5.9	109
121	RNAi in embryonic stem cells. <i>Stem Cell Reviews and Reports</i> , 2006, 2, 11-18.	5.6	11
122	RNAi in Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2006, 2, 11-18.	5.6	0
123	Production of endoribonuclease-prepared short interfering RNAs for gene silencing in mammalian cells. <i>Nature Methods</i> , 2005, 2, 779-784.	19.0	76
124	Downregulation of Apaf-1 and caspase-3 by RNA interference in human glioma cells: Consequences for erucylphosphocholine-induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 1163-1174.	4.9	23
125	RNA interference in postimplantation mouse embryos. , 2005, , 207-219.		0
126	Selective Expression of the Cre Recombinase in Late-Stage Thymocytes Using the Distal Promoter of the <i>Lck</i> Gene. <i>Journal of Immunology</i> , 2005, 174, 6725-6731.	0.8	111



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127	RNA interference rescue by bacterial artificial chromosome transgenesis in mammalian tissue culture cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2396-2401.	7.1	88
128	Functional Genomic Analysis of Cell Division by Endoribonuclease-Prepared siRNAs. <i>Cell Cycle</i> , 2005, 4, 561-564.	2.6	30
129	Correlation-based Method for Automatic Mitotic Cell Detection in Phase Contrast Microscopy. <i>Advances in Soft Computing</i> , 2005, , 627-634.	0.4	12
130	Alternative Approaches for Efficient Inhibition of Hepatitis C Virus RNA Replication by Small Interfering RNAs. <i>Journal of Virology</i> , 2004, 78, 3436-3446.	3.4	158
131	DEQOR: a web-based tool for the design and quality control of siRNAs. <i>Nucleic Acids Research</i> , 2004, 32, W113-W120.	14.5	140
132	An endoribonuclease-prepared siRNA screen in human cells identifies genes essential for cell division. <i>Nature</i> , 2004, 432, 1036-1040.	27.8	369
133	Tissue-specific RNA interference in post-implantation mouse embryos using directional electroporation and whole embryo culture. <i>Differentiation</i> , 2004, 72, 92-102.	1.9	28
134	Production of siRNA In Vitro by Enzymatic Digestion of Double-Stranded RNA. , 2004, , .		1
135	RNA interference: gene silencing in the fast lane. <i>Seminars in Cancer Biology</i> , 2003, 13, 259-265.	9.6	36
136	Crystal structure of a wild-type Cre recombinase-loxP synapse reveals a novel spacer conformation suggesting an alternative mechanism for DNA cleavage activation. <i>Nucleic Acids Research</i> , 2003, 31, 5449-5460.	14.5	67
137	Tissue-specific RNA interference in postimplantation mouse embryos with endoribonuclease-prepared short interfering RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14236-14240.	7.1	148
138	Short RNA duplexes produced by hydrolysis with <i>Escherichia coli</i> RNase III mediate effective RNA interference in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9942-9947.	7.1	285
139	Codon-improved Cre recombinase (iCre) expression in the mouse. <i>Genesis</i> , 2002, 32, 19-26.	1.6	350
140	loxP-Directed Cloning: Use of Cre Recombinase as a Universal Restriction Enzyme. <i>BioTechniques</i> , 2001, 31, 906-918.	1.8	11
141	Alteration of Cre recombinase site specificity by substrate-linked protein evolution. <i>Nature Biotechnology</i> , 2001, 19, 1047-1052.	17.5	147
142	High-efficiency deleter mice show that FLPe is an alternative to Cre-loxP. <i>Nature Genetics</i> , 2000, 25, 139-140.	21.4	1,073
143	Inducible chromosomal translocation of AML1 and ETO genes through Cre/loxP-mediated recombination in the mouse. <i>EMBO Reports</i> , 2000, 1, 133-139.	4.5	105
144	A new logic for DNA engineering using recombination in <i>Escherichia coli</i> . <i>Nature Genetics</i> , 1998, 20, 123-128.	21.4	1,123

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145	Improved properties of FLP recombinase evolved by cycling mutagenesis. <i>Nature Biotechnology</i> , 1998, 16, 657-662.	17.5	374
146	Comparative kinetic analysis of FLP and cre recombinases: mathematical models for DNA binding and recombination. <i>Journal of Molecular Biology</i> , 1998, 284, 363-384.	4.2	142
147	Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells. <i>Nucleic Acids Research</i> , 1998, 26, 3263-3269.	14.5	19
148	A Novel Family of Cys-Cys, His-Cys Zinc Finger Transcription Factors Expressed in Developing Nervous System and Pituitary Gland. <i>Journal of Biological Chemistry</i> , 1996, 271, 10723-10730.	3.4	60
149	Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination. <i>Nucleic Acids Research</i> , 1996, 24, 4256-4262.	14.5	165
150	A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs. <i>Nucleic Acids Research</i> , 1996, 24, 3118-3119.	14.5	87
151	LncRNA <i>Panct1</i> Maintains Mouse Embryonic Stem Cell Identity by Regulating TOBF1 Recruitment to Oct-Sox Sequences in Early G1. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0