

Sebastian Bultman

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,720
citations

218381

26
h-index

301761

39
g-index

45
all docs

45
docs citations

45
times ranked

4771
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive enzymatic quantification of 5-hydroxymethylcytosine in genomic DNA. <i>Nucleic Acids Research</i> , 2010, 38, e181-e181.	6.5	385
2	<scp>TREM</scp>2 deficiency impairs chemotaxis and microglial responses to neuronal injury. <i>EMBO Reports</i> , 2017, 18, 1186-1198.	2.0	240
3	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
4	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. <i>EMBO Reports</i> , 2009, 10, 1259-1264.	2.0	167
5	Recognition of 5-Hydroxymethylcytosine by the Uhrf1 SRA Domain. <i>PLoS ONE</i> , 2011, 6, e21306.	1.1	159
6	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
7	The poly(ADP-ribose)-dependent chromatin remodeler Alc1 induces local chromatin relaxation upon DNA damage. <i>Molecular Biology of the Cell</i> , 2016, 27, 3791-3799.	0.9	104
8	The rRNA m ⁶ A methyltransferase METTL5 is involved in pluripotency and developmental programs. <i>Genes and Development</i> , 2020, 34, 715-729.	2.7	93
9	Opposite microglial activation stages upon loss of <scp>PGRN</scp> or <scp>TREM</scp> 2 result in reduced cerebral glucose metabolism. <i>EMBO Molecular Medicine</i> , 2019, 11, .	3.3	87
10	Different Binding Properties and Function of CXXC Zinc Finger Domains in Dnmt1 and Tet1. <i>PLoS ONE</i> , 2011, 6, e16627.	1.1	87
11	Two distinct modes of DNMT1 recruitment ensure stable maintenance DNA methylation. <i>Nature Communications</i> , 2020, 11, 1222.	5.8	82
12	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
13	Targeting and tracing of specific DNA sequences with dTALEs in living cells. <i>Nucleic Acids Research</i> , 2014, 42, e38-e38.	6.5	66
14	Critical Role of the UBL Domain in Stimulating the E3 Ubiquitin Ligase Activity of UHRF1 toward Chromatin. <i>Molecular Cell</i> , 2018, 72, 739-752.e9.	4.5	63
15	Staying true to yourself: mechanisms of DNA methylation maintenance in mammals. <i>Nucleic Acids Research</i> , 2021, 49, 3020-3032.	6.5	62
16	Genomic 5-hydroxymethylcytosine levels correlate with TET2 mutations and a distinct global gene expression pattern in secondary acute myeloid leukemia. <i>Leukemia</i> , 2011, 25, 1649-1652.	3.3	57
17	Loss of KDM6A confers drug resistance in acute myeloid leukemia. <i>Leukemia</i> , 2020, 34, 50-62.	3.3	56
18	Spatial organization of transcribed eukaryotic genes. <i>Nature Cell Biology</i> , 2022, 24, 327-339.	4.6	55

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19	Characterization of PvuRts1I endonuclease as a tool to investigate genomic 5-hydroxymethylcytosine. <i>Nucleic Acids Research</i> , 2011, 39, 5149-5156.	6.5	51
20	METTL6 is a tRNA m ³ C methyltransferase that regulates pluripotency and tumor cell growth. <i>Science Advances</i> , 2020, 6, eaaz4551.	4.7	51
21	Cathepsin S Alterations Induce a Tumor-Promoting Immune Microenvironment in Follicular Lymphoma. <i>Cell Reports</i> , 2020, 31, 107522.	2.9	50
22	Live cell PNA labelling enables erasable fluorescence imaging of membrane proteins. <i>Nature Chemistry</i> , 2021, 13, 15-23.	6.6	48
23	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
24	A modular open platform for systematic functional studies under physiological conditions. <i>Nucleic Acids Research</i> , 2015, 43, e112-e112.	6.5	39
25	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
26	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
27	Identification of permissive amber suppression sites for efficient non-canonical amino acid incorporation in mammalian cells. <i>Nucleic Acids Research</i> , 2021, 49, e62-e62.	6.5	30
28	Quick and reliable method for retina dissociation and separation of rod photoreceptor perikarya from adult mice. <i>MethodsX</i> , 2015, 2, 39-46.	0.7	29
29	Loss-of-function mutations in the histone methyltransferase EZH2 promote chemotherapy resistance in AML. <i>Scientific Reports</i> , 2021, 11, 5838.	1.6	22
30	Applications of the CRISPR/Cas system beyond gene editing. <i>Biology Methods and Protocols</i> , 2018, 3, bpy002.	1.0	21
31	Site-specific recruitment of epigenetic factors with a modular CRISPR/Cas system. <i>Nucleus</i> , 2017, 8, 279-286.	0.6	20
32	Azacitidine combined with the selective FLT3 kinase inhibitor crenolanib disrupts stromal protection and inhibits expansion of residual leukemia-initiating cells in FLT3-ITD AML with concurrent epigenetic mutations. <i>Oncotarget</i> , 2017, 8, 108738-108759.	0.8	14
33	Distinct and stage-specific contributions of TET1 and TET2 to stepwise cytosine oxidation in the transition from naive to primed pluripotency. <i>Scientific Reports</i> , 2020, 10, 12066.	1.6	13
34	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
35	Phosphorylation of the HP1 ¹² 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
36	Entering the post-genomic age: back to epigenetics. <i>Open Biology</i> , 2018, 8, 180013.	1.5	5

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37	Orthogonal coiled coils enable rapid covalent labelling of two distinct membrane proteins with peptide nucleic acid barcodes. RSC Chemical Biology, 2021, 2, 1291-1295.	2.0	4
38	Fluorescence Microscopy-Based High-Throughput Screening for Factors Involved in Gene Silencing. Methods in Molecular Biology, 2013, 1042, 237-244.	0.4	1
39	ARID1A Controls a Novel Transcriptional Network Regulating FAS in Follicular Lymphoma. Blood, 2021, 138, 3492-3492.	0.6	0