

Tobias Straub

List of Publications by Year in descending order

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86
papers

4,769
citations

109321

35
h-index

110387

64
g-index

91
all docs

91
docs citations

91
times ranked

6646
citing authors

#	ARTICLE	IF	CITATIONS
1	NeuroD1 reprograms chromatin and transcription factor landscapes to induce the neuronal program. EMBO Journal, 2016, 35, 24-45.	7.8	216
2	Schizosaccharomyces pombe genome-wide nucleosome mapping reveals positioning mechanisms distinct from those of Saccharomyces cerevisiae. Nature Structural and Molecular Biology, 2010, 17, 251-257.	8.2	215
3	Dosage compensation: the beginning and end of generalization. Nature Reviews Genetics, 2007, 8, 47-57.	16.3	204
4	Selected Novel Flavones Inhibit the DNA Binding or the DNA Religation Step of Eukaryotic Topoisomerase I. Journal of Biological Chemistry, 1996, 271, 2262-2270.	3.4	200
5	Histone Variant H2A.Z.2 Mediates Proliferation and Drug Sensitivity of Malignant Melanoma. Molecular Cell, 2015, 59, 75-88.	9.7	166
6	The Chromosomal High-Affinity Binding Sites for the Drosophila Dosage Compensation Complex. PLoS Genetics, 2008, 4, e1000302.	3.5	161
7	Active promoters and insulators are marked by the centrosomal protein 190. EMBO Journal, 2009, 28, 877-888.	7.8	145
8	Active promoters give rise to false positive "Phantom Peaks"™ in ChIP-seq experiments. Nucleic Acids Research, 2015, 43, 6959-6968.	14.5	144
9	Chromosome-wide gene-specific targeting of the Drosophila dosage compensation complex. Genes and Development, 2006, 20, 858-870.	5.9	142
10	Cell Cycle-coupled Relocation of Types I and II Topoisomerases and Modulation of Catalytic Enzyme Activities. Journal of Cell Biology, 1997, 136, 775-788.	5.2	138
11	GATA2/3-TFAP2A/C transcription factor network couples human pluripotent stem cell differentiation to trophectoderm with repression of pluripotency. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9579-E9588.	7.1	130
12	Acf1, the largest subunit of CHRAC, regulates ISWI-induced nucleosome remodelling. EMBO Journal, 2001, 20, 3781-3788.	7.8	127
13	Essential Mitotic Functions of DNA Topoisomerase II± Are Not Adopted by Topoisomerase II² in Human H69 Cells. Journal of Biological Chemistry, 1998, 273, 33660-33666.	3.4	119
14	Heptad-Specific Phosphorylation of RNA Polymerase II CTD. Molecular Cell, 2016, 61, 305-314.	9.7	118
15	Life span extension by targeting a link between metabolism and histone acetylation in <i>Drosophila</i> . EMBO Reports, 2016, 17, 455-469.	4.5	116
16	Functional integration of the histone acetyltransferase MOF into the dosage compensation complex. EMBO Journal, 2004, 23, 2258-2268.	7.8	108
17	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
18	Nucleolus association of chromosomal domains is largely maintained in cellular senescence despite massive nuclear reorganisation. PLoS ONE, 2017, 12, e0178821.	2.5	96

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19	Combined Use of RNAi and Quantitative Proteomics to Study Gene Function in <i>Drosophila</i> . <i>Molecular Cell</i> , 2008, 31, 762-772.	9.7	93
20	The <i>Drosophila</i> MSL complex activates the transcription of target genes. <i>Genes and Development</i> , 2005, 19, 2284-2288.	5.9	91
21	The RNA-splicing Factor PSF/p54 Controls DNA-Topoisomerase I Activity by a Direct Interaction. <i>Journal of Biological Chemistry</i> , 1998, 273, 26261-26264.	3.4	82
22	Cell-Type-Specific Complement Expression in the Healthy and Diseased Retina. <i>Cell Reports</i> , 2019, 29, 2835-2848.e4.	6.4	81
23	Limitations and possibilities of low cell number ChIP-seq. <i>BMC Genomics</i> , 2012, 13, 645.	2.8	80
24	Different chromatin interfaces of the <i>Drosophila</i> dosage compensation complex revealed by high-shear ChIP-seq. <i>Genome Research</i> , 2013, 23, 473-485.	5.5	78
25	The DNA binding CXC domain of MSL2 is required for faithful targeting the Dosage Compensation Complex to the X chromosome. <i>Nucleic Acids Research</i> , 2010, 38, 3209-3221.	14.5	65
26	PionX sites mark the X chromosome for dosage compensation. <i>Nature</i> , 2016, 537, 244-248.	27.8	65
27	The MOF-containing NSL complex associates globally with housekeeping genes, but activates only a defined subset. <i>Nucleic Acids Research</i> , 2012, 40, 1509-1522.	14.5	64
28	Histone Deacetylase 9 Activates IKK to Regulate Atherosclerotic Plaque Vulnerability. <i>Circulation Research</i> , 2020, 127, 811-823.	4.5	64
29	The Activation Potential of MOF Is Constrained for Dosage Compensation. <i>Molecular Cell</i> , 2010, 38, 815-826.	9.7	63
30	The Kidney Contains Ontogenetically Distinct Dendritic Cell and Macrophage Subtypes throughout Development That Differ in Their Inflammatory Properties. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 257-278.	6.1	62
31	Global Analysis of the Relationship between JIL-1 Kinase and Transcription. <i>PLoS Genetics</i> , 2011, 7, e1001327.	3.5	55
32	Impaired function and delayed regeneration of dendritic cells in COVID-19. <i>PLoS Pathogens</i> , 2021, 17, e1009742.	4.7	52
33	Residues within the N-terminal Domain of Human Topoisomerase I Play a Direct Role in Relaxation*. <i>Journal of Biological Chemistry</i> , 2001, 276, 20220-20227.	3.4	49
34	Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. <i>EMBO Journal</i> , 2017, 36, 2263-2279.	7.8	48
35	Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1230-1241.	5.6	42
36	PSF/p54 Stimulates "Jumping" of DNA Topoisomerase I between Separate DNA Helices. <i>Biochemistry</i> , 2000, 39, 7552-7558.	2.5	41

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37	Pumilio2 deficient mice show a predisposition for epilepsy. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1333-1342.	2.4	40
38	The Dihydropyridine Dexniguldipine Hydrochloride Inhibits Cleavage and Religation Reactions of Eukaryotic DNA Topoisomerase I. <i>Biochemistry</i> , 1997, 36, 10777-10783.	2.5	37
39	CD40-signalling abrogates induction of ROR γ ⁺ Treg cells by intestinal CD103 ⁺ DCs and causes fatal colitis. <i>Nature Communications</i> , 2017, 8, 14715.	12.8	36
40	Stable chromosomal association of MSL2 defines a dosage-compensated nuclear compartment. <i>Chromosoma</i> , 2005, 114, 352-364.	2.2	34
41	Cumulative contributions of weak DNA determinants to targeting the <i>Drosophila</i> dosage compensation complex. <i>Nucleic Acids Research</i> , 2007, 35, 3561-3572.	14.5	34
42	Nucleoprotein-specific nonneutralizing antibodies speed up LCMV elimination independently of complement and Fc γ RIII \times R. <i>European Journal of Immunology</i> , 2013, 43, 2338-2348.	2.9	34
43	The Chaperone FACT and Histone H2B Ubiquitination Maintain <i>S. pombe</i> Genome Architecture through Genic and Subtelomeric Functions. <i>Molecular Cell</i> , 2020, 77, 501-513.e7.	9.7	32
44	Transcription modulation chromosome-wide: universal features and principles of dosage compensation in worms and flies. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 147-153.	3.3	31
45	MSL2 Combines Sensor and Effector Functions in Homeostatic Control of the <i>Drosophila</i> Dosage Compensation Machinery. <i>Molecular Cell</i> , 2012, 48, 647-654.	9.7	31
46	Genome-wide Rules of Nucleosome Phasing in <i>Drosophila</i> . <i>Molecular Cell</i> , 2018, 72, 661-672.e4.	9.7	31
47	Suv4-20h Histone Methyltransferases Promote Neuroectodermal Differentiation by Silencing the Pluripotency-Associated Oct-25 Gene. <i>PLoS Genetics</i> , 2013, 9, e1003188.	3.5	30
48	Nucleosome Remodeler SNF2L Suppresses Cell Proliferation and Migration and Attenuates Wnt Signaling. <i>Molecular and Cellular Biology</i> , 2012, 32, 2359-2371.	2.3	29
49	Ring1b-dependent epigenetic remodelling is an essential prerequisite for pancreatic carcinogenesis. <i>Gut</i> , 2019, 68, 2007-2018.	12.1	27
50	Genome information processing by the INO80 chromatin remodeler positions nucleosomes. <i>Nature Communications</i> , 2021, 12, 3231.	12.8	27
51	Dosage compensation in flies: Mechanism, models, mystery. <i>FEBS Letters</i> , 2005, 579, 3258-3263.	2.8	26
52	CHRAC/ACF contribute to the repressive ground state of chromatin. <i>Life Science Alliance</i> , 2018, 1, e201800024.	2.8	26
53	Separation and functional analysis of eukaryotic DNA topoisomerases by chromatography and electrophoresis. <i>Biomedical Applications</i> , 1996, 684, 307-321.	1.7	25
54	Active DNA Topoisomerase II α Is a Component of the Salt-stable Centrosome Core. <i>Journal of Biological Chemistry</i> , 2000, 275, 38823-38830.	3.4	25

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55	Parathymosin Affects the Binding of Linker Histone H1 to Nucleosomes and Remodels Chromatin Structure. <i>Journal of Biological Chemistry</i> , 2005, 280, 16143-16150.	3.4	25
56	Environmental signals rather than layered ontogeny imprint the function of type 2 conventional dendritic cells in young and adult mice. <i>Nature Communications</i> , 2021, 12, 464.	12.8	25
57	Dynamic adoption of anergy by antigen-exhausted CD4+ T cells. <i>Cell Reports</i> , 2021, 34, 108748.	6.4	23
58	IRAK1 Drives Intestinal Inflammation by Promoting the Generation of Effector Th Cells with Optimal Gut-Homing Capacity. <i>Journal of Immunology</i> , 2015, 195, 5787-5794.	0.8	22
59	Binding of phosphatidylserine-positive microparticles by PBMCs classifies disease severity in COVID-19 patients. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12173.	12.2	19
60	As in Real Estate, Location Matters: Cellular Expression of Complement Varies Between Macular and Peripheral Regions of the Retina and Supporting Tissues. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	19
61	DNA sequence and the organization of chromosomal domains. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 175-180.	3.3	18
62	Clec9a-Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells In Vivo. <i>Frontiers in Immunology</i> , 2018, 9, 699.	4.8	18
63	Analog-sensitive cell line identifies cellular substrates of CDK9. <i>Oncotarget</i> , 2019, 10, 6934-6943.	1.8	18
64	Epstein-Barr virus inactivates the transcriptome and disrupts the chromatin architecture of its host cell in the first phase of lytic reactivation. <i>Nucleic Acids Research</i> , 2021, 49, 3217-3241.	14.5	16
65	Comment on "Drosophila Dosage Compensation Involves Enhanced Pol II Recruitment to Male X-Linked Promoters". <i>Science</i> , 2013, 340, 273-273.	12.6	15
66	Bacterial coinfection restrains antiviral CD8 T-cell response via LPS-induced inhibitory NK cells. <i>Nature Communications</i> , 2018, 9, 4117.	12.8	15
67	Two types of somatostatin-expressing GABAergic interneurons in the superficial layers of the mouse cingulate cortex. <i>PLoS ONE</i> , 2018, 13, e0200567.	2.5	14
68	CHD4/Mi-2beta activity is required for the positioning of the mesoderm/neuroectoderm boundary in <i>Xenopus</i> . <i>Genes and Development</i> , 2007, 21, 973-983.	5.9	12
69	Divergent evolution toward sex chromosome-specific gene regulation in <i>Drosophila</i> . <i>Genes and Development</i> , 2021, 35, 1055-1070.	5.9	12
70	The biogenesis and function of nucleosome arrays. <i>Nature Communications</i> , 2021, 12, 7011.	12.8	12
71	Altered Glutamate Receptor Ionotropic Delta Subunit 2 Expression in <i>Stau2</i> -Deficient Cerebellar Purkinje Cells in the Adult Brain. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1797.	4.1	10
72	Heterochromatin Dynamics. <i>PLoS Biology</i> , 2003, 1, e14.	5.6	10

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73	A New Sandwich Immunoassay for Detection of the Î±-Secretase Cleaved, Soluble Amyloid-Î² Protein Precursor in Cerebrospinal Fluid and Serum. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 667-678.	2.6	9
74	Repetitive injury and absence of monocytes promote astrocyte self-renewal and neurological recovery. <i>Glia</i> , 2021, 69, 165-181.	4.9	9
75	Investigation and Highly Accurate Prediction of Missed Tryptic Cleavages by Deep Learning. <i>Journal of Proteome Research</i> , 2021, 20, 3749-3757.	3.7	9
76	Slx5/Slx8-dependent ubiquitin hotspots on chromatin contribute to stress tolerance. <i>EMBO Journal</i> , 2019, 38, .	7.8	8
77	<i>Helicobacter hepaticus</i> is required for immune targeting of bacterial heat shock protein 60 and fatal colitis in mice. <i>Gut Microbes</i> , 2021, 13, 1-20.	9.8	8
78	Residual LCMV antigen in transiently CD4 ⁺ T cell-depleted mice induces high levels of virus-specific antibodies but only limited B cell memory. <i>European Journal of Immunology</i> , 2019, 49, 626-637.	2.9	7
79	Differences in the Inflammatory Response of White Adipose Tissue and Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1086.	4.1	7
80	T Cell Expansion Is the Limiting Factor of Virus Control in Mice with Attenuated TCR Signaling: Implications for Human Immunodeficiency. <i>Journal of Immunology</i> , 2015, 194, 2725-2734.	0.8	6
81	Enhancing immunity prevents virus-induced T cell-mediated immunopathology in B cell-deficient mice. <i>European Journal of Immunology</i> , 2019, 49, 782-789.	2.9	5
82	Physical Activity Dynamically Regulates the Hippocampal Proteome along the Dorso-Ventral Axis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3501.	4.1	4
83	Brg1 chromatin remodeling ATPase balances germ layer patterning by amplifying the transcriptional burst at midblastula transition. <i>PLoS Genetics</i> , 2017, 13, e1006757.	3.5	3
84	Immunological tolerance to LCMV antigens differently affects control of acute and chronic virus infection in mice. <i>European Journal of Immunology</i> , 2018, 48, 120-127.	2.9	2
85	A systemic cell cycle block impacts stage-specific histone modification profiles during <i>Xenopus</i> embryogenesis. <i>PLoS Biology</i> , 2021, 19, e3001377.	5.6	2
86	Abstract A12: Histone variant H2A.Z.2 mediates proliferation and drug sensitivity of malignant melanoma. , 2015, , .		1