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	Repetitive injury and absence of monocytes promote astrocyte selfâ€renewal and neurological recovery. Glia, 2021, 69, 165-181.	4.9	9
2	Helicobacter hepaticus is required for immune targeting of bacterial heat shock protein 60 and fatal colitis in mice. Gut Microbes, 2021, 13, 1-20.	9.8	8
3	Dynamic adoption of anergy by antigen-exhausted CD4+ TÂcells. Cell Reports, 2021, 34, 108748.	6.4	23
4	Epstein-Barr virus inactivates the transcriptome and disrupts the chromatin architecture of its host cell in the first phase of lytic reactivation. Nucleic Acids Research, 2021, 49, 3217-3241.	14.5	16
5	Genome information processing by the INO80 chromatin remodeler positions nucleosomes. Nature Communications, 2021, 12, 3231.	12.8	27
6	Divergent evolution toward sex chromosome-specific gene regulation inDrosophila. Genes and Development, 2021, 35, 1055-1070.	5.9	12
7	Investigation and Highly Accurate Prediction of Missed Tryptic Cleavages by Deep Learning. Journal of Proteome Research, 2021, 20, 3749-3757.	3.7	9
8	A systemic cell cycle block impacts stage-specific histone modification profiles during Xenopus embryogenesis. PLoS Biology, 2021, 19, e3001377.	5.6	2
9	Environmental signals rather than layered ontogeny imprint the function of type 2 conventional dendritic cells in young and adult mice. Nature Communications, 2021, 12, 464.	12.8	25
10	Impaired function and delayed regeneration of dendritic cells in COVID-19. PLoS Pathogens, 2021, 17, e1009742.	4.7	52
11	The biogenesis and function of nucleosome arrays. Nature Communications, 2021, 12, 7011.	12.8	12
12	Binding of phosphatidylserineâ€positive microparticles by PBMCs classifies disease severity in COVIDâ€19 patients. Journal of Extracellular Vesicles, 2021, 10, e12173.	12.2	19
13	The Chaperone FACT and Histone H2B Ubiquitination Maintain S.Âpombe Genome Architecture through Genic and Subtelomeric Functions. Molecular Cell, 2020, 77, 501-513.e7.	9.7	32
14	Physical Activity Dynamically Regulates the Hippocampal Proteome along the Dorso-Ventral Axis. International Journal of Molecular Sciences, 2020, 21, 3501.	4.1	4
15	Histone Deacetylase 9 Activates IKK to Regulate Atherosclerotic Plaque Vulnerability. Circulation Research, 2020, 127, 811-823.	4.5	64
16	Differences in the Inflammatory Response of White Adipose Tissue and Adipose-Derived Stem Cells. International Journal of Molecular Sciences, 2020, 21, 1086.	4.1	7
17	The Kidney Contains Ontogenetically Distinct Dendritic Cell and Macrophage Subtypes throughout Development That Differ in Their Inflammatory Properties. Journal of the American Society of Nephrology: JASN, 2020, 31, 257-278.	6.1	62
18	Altered Glutamate Receptor Ionotropic Delta Subunit 2 Expression in Stau2-Deficient Cerebellar Purkinje Cells in the Adult Brain. International Journal of Molecular Sciences, 2019, 20, 1797.	4.1	10

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19	Slx5/Slx8â€dependent ubiquitin hotspots on chromatin contribute to stress tolerance. EMBO Journal, 2019, 38, .	7.8	8
20	Ring1b-dependent epigenetic remodelling is an essential prerequisite for pancreatic carcinogenesis. Gut, 2019, 68, 2007-2018.	12.1	27
21	Enhancing immunity prevents virusâ€induced Tâ€cellâ€mediated immunopathology in B cellâ€deficient mice. European Journal of Immunology, 2019, 49, 782-789.	2.9	5
22	Cell-Type-Specific Complement Expression in the Healthy and Diseased Retina. Cell Reports, 2019, 29, 2835-2848.e4.	6.4	81
23	Residual LCMV antigen in transiently CD4⁺ TÂcellâ€depleted mice induces high levels of virusâ€specific antibodies but only limited Bâ€cell memory. European Journal of Immunology, 2019, 49, 626-637.	2.9	7
24	Analog-sensitive cell line identifies cellular substrates of CDK9. Oncotarget, 2019, 10, 6934-6943.	1.8	18
25	Immunological tolerance to LCMV antigens differently affects control of acute and chronic virus infection in mice. European Journal of Immunology, 2018, 48, 120-127.	2.9	2
26	Bacterial coinfection restrains antiviral CD8 T-cell response via LPS-induced inhibitory NK cells. Nature Communications, 2018, 9, 4117.	12.8	15
27	Genome-wide Rules of Nucleosome Phasing in Drosophila. Molecular Cell, 2018, 72, 661-672.e4.	9.7	31
28	Clec9a-Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells In Vivo. Frontiers in Immunology, 2018, 9, 699.	4.8	18
29	Two types of somatostatin-expressing GABAergic interneurons in the superficial layers of the mouse cingulate cortex. PLoS ONE, 2018, 13, e0200567.	2.5	14
30	CHRAC/ACF contribute to the repressive ground state of chromatin. Life Science Alliance, 2018, 1, e201800024.	2.8	26
31	CD40-signalling abrogates induction of RORÎ³t+ Treg cells by intestinal CD103+ DCs and causes fatal colitis. Nature Communications, 2017, 8, 14715.	12.8	36
32	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
33	Pumilio2 deficient mice show a predisposition for epilepsy. DMM Disease Models and Mechanisms, 2017, 10, 1333-1342.	2.4	40
34	Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. EMBO Journal, 2017, 36, 2263-2279.	7.8	48
35	Nucleolus association of chromosomal domains is largely maintained in cellular senescence despite massive nuclear reorganisation. PLoS ONE, 2017, 12, e0178821.	2.5	96
36	Brg1 chromatin remodeling ATPase balances germ layer patterning by amplifying the transcriptional burst at midblastula transition. PLoS Genetics, 2017, 13, e1006757.	3.5	3

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37	Life span extension by targeting a link between metabolism and histone acetylation in Drosophila. EMBO Reports, 2016, 17, 455-469.	4.5	116
38	PionX sites mark the X chromosome for dosage compensation. Nature, 2016, 537, 244-248.	27.8	65
39	NeuroD1 reprograms chromatin and transcription factor landscapes to induce the neuronal program. EMBO Journal, 2016, 35, 24-45.	7.8	216
40	Heptad-Specific Phosphorylation of RNA PolymeraseÂII CTD. Molecular Cell, 2016, 61, 305-314.	9.7	118
41	Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1230-1241.	5.6	42
42	Histone Variant H2A.Z.2 Mediates Proliferation and Drug Sensitivity of Malignant Melanoma. Molecular Cell, 2015, 59, 75-88.	9.7	166
43	T Cell Expansion Is the Limiting Factor of Virus Control in Mice with Attenuated TCR Signaling: Implications for Human Immunodeficiency. Journal of Immunology, 2015, 194, 2725-2734.	0.8	6
44	Active promoters give rise to false positive â€˜Phantom Peaksâ€™ in ChIP-seq experiments. Nucleic Acids Research, 2015, 43, 6959-6968.	14.5	144
45	IRAK1 Drives Intestinal Inflammation by Promoting the Generation of Effector Th Cells with Optimal Gut-Homing Capacity. Journal of Immunology, 2015, 195, 5787-5794.	0.8	22
46	Abstract A12: Histone variant H2A.Z.2 mediates proliferation and drug sensitivity of malignant melanoma. , 2015, , .		1
47	Different chromatin interfaces of the Drosophila dosage compensation complex revealed by high-shear ChIP-seq. Genome Research, 2013, 23, 473-485.	5.5	78
48	Suv4-20h Histone Methyltransferases Promote Neuroectodermal Differentiation by Silencing the Pluripotency-Associated Oct-25 Gene. PLoS Genetics, 2013, 9, e1003188.	3.5	30
49	Comment on â€œ Drosophila Dosage Compensation Involves Enhanced Pol II Recruitment to Male X-Linked Promotersâ€. Science, 2013, 340, 273-273.	12.6	15
50	Nucleoproteinâ€specific nonneutralizing antibodies speed up <scp>LCMV</scp> elimination independently of complement and <scp>F</scp>cÎ³<scp>R</scp>. European Journal of Immunology, 2013, 43, 2338-2348.	2.9	34
51	A New Sandwich Immunoassay for Detection of the Î±-Secretase Cleaved, Soluble Amyloid-Î² Protein Precursor in Cerebrospinal Fluid and Serum. Journal of Alzheimer's Disease, 2013, 37, 667-678.	2.6	9
52	The MOF-containing NSL complex associates globally with housekeeping genes, but activates only a defined subset. Nucleic Acids Research, 2012, 40, 1509-1522.	14.5	64
53	Nucleosome Remodeler SNF2L Suppresses Cell Proliferation and Migration and Attenuates Wnt Signaling. Molecular and Cellular Biology, 2012, 32, 2359-2371.	2.3	29
54	MSL2 Combines Sensor and Effector Functions in Homeostatic Control of the Drosophila Dosage Compensation Machinery. Molecular Cell, 2012, 48, 647-654.	9.7	31

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55	Limitations and possibilities of low cell number ChIP-seq. BMC Genomics, 2012, 13, 645.	2.8	80
56	Transcription modulation chromosome-wide: universal features and principles of dosage compensation in worms and flies. Current Opinion in Genetics and Development, 2011, 21, 147-153.	3.3	31
57	Global Analysis of the Relationship between JIL-1 Kinase and Transcription. PLoS Genetics, 2011, 7, e1001327.	3.5	55
58	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
59	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
60	The DNA binding CXC domain of MSL2 is required for faithful targeting the Dosage Compensation Complex to the X chromosome. Nucleic Acids Research, 2010, 38, 3209-3221.	14.5	65
61	The Activation Potential of MOF Is Constrained for Dosage Compensation. Molecular Cell, 2010, 38, 815-826.	9.7	63
62	Active promoters and insulators are marked by the centrosomal protein 190. EMBO Journal, 2009, 28, 877-888.	7.8	145
63	Combined Use of RNAi and Quantitative Proteomics to Study Gene Function in Drosophila. Molecular Cell, 2008, 31, 762-772.	9.7	93
64	DNA sequence and the organization of chromosomal domains. Current Opinion in Genetics and Development, 2008, 18, 175-180.	3.3	18
65	The Chromosomal High-Affinity Binding Sites for the Drosophila Dosage Compensation Complex. PLoS Genetics, 2008, 4, e1000302.	3.5	161
66	Cumulative contributions of weak DNA determinants to targeting the Drosophila dosage compensation complex. Nucleic Acids Research, 2007, 35, 3561-3572.	14.5	34
67	CHD4/Mi-2beta activity is required for the positioning of the mesoderm/neuroectoderm boundary in Xenopus. Genes and Development, 2007, 21, 973-983.	5.9	12
68	Dosage compensation: the beginning and end of generalization. Nature Reviews Genetics, 2007, 8, 47-57.	16.3	204
69	Chromosome-wide gene-specific targeting of the Drosophila dosage compensation complex. Genes and Development, 2006, 20, 858-870.	5.9	142
70	Stable chromosomal association of MSL2 defines a dosage-compensated nuclear compartment. Chromosoma, 2005, 114, 352-364.	2.2	34
71	The Drosophila MSL complex activates the transcription of target genes. Genes and Development, 2005, 19, 2284-2288.	5.9	91
72	Parathymosin Affects the Binding of Linker Histone H1 to Nucleosomes and Remodels Chromatin Structure. Journal of Biological Chemistry, 2005, 280, 16143-16150.	3.4	25

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73	Dosage compensation in flies: Mechanism, models, mystery. FEBS Letters, 2005, 579, 3258-3263.	2.8	26
74	Functional integration of the histone acetyltransferase MOF into the dosage compensation complex. EMBO Journal, 2004, 23, 2258-2268.	7.8	108
75	Heterochromatin Dynamics. PLoS Biology, 2003, 1, e14.	5.6	10
76	Acf1, the largest subunit of CHRAC, regulates ISWI-induced nucleosome remodelling. EMBO Journal, 2001, 20, 3781-3788.	7.8	127
77	Residues within the N-terminal Domain of Human Topoisomerase I Play a Direct Role in Relaxation*. Journal of Biological Chemistry, 2001, 276, 20220-20227.	3.4	49
78	Active DNA Topoisomerase IIÎ± Is a Component of the Salt-stable Centrosome Core. Journal of Biological Chemistry, 2000, 275, 38823-38830.	3.4	25
79	PSF/p54nrbStimulates â€œJumpingâ€•of DNA Topoisomerase I between Separate DNA Helicesâ€. Biochemistry, 2000, 39, 7552-7558.	2.5	41
80	Essential Mitotic Functions of DNA Topoisomerase IIÎ± Are Not Adopted by Topoisomerase IIÎ² in Human H69 Cells. Journal of Biological Chemistry, 1998, 273, 33660-33666.	3.4	119
81	The RNA-splicing Factor PSF/p54 Controls DNA-Topoisomerase I Activity by a Direct Interaction. Journal of Biological Chemistry, 1998, 273, 26261-26264.	3.4	82
82	Cell Cycleâ€“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
83	The Dihydropyridine Dexniguldipine Hydrochloride Inhibits Cleavage and Religation Reactions of Eukaryotic DNA Topoisomerase Iâ€. Biochemistry, 1997, 36, 10777-10783.	2.5	37
84	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
85	Separation and functional analysis of eukaryotic DNA topoisomerases by chromatography and electrophoresis. Biomedical Applications, 1996, 684, 307-321.	1.7	25
86	As in Real Estate, Location Matters: Cellular Expression of Complement Varies Between Macular and Peripheral Regions of the Retina and Supporting Tissues. Frontiers in Immunology, 0, 13, .	4.8	19