Nathaniel A Hathaway

List of Publications by Year
in descending order

29 papers	2,797 citations	516681 16 h-index	477281 29 g-index
30 all docs	30 docs citations	30 times ranked	4297 citing authors

#	Article	IF	Citations
1	Loss of the Lkb1 tumour suppressor provokes intestinal polyposis but resistance to transformation. Nature, 2002, 419, 162-167.	27.8	390
2	Quantitative analysis of in vitro ubiquitinated cyclin B1 reveals complex chain topology. Nature Cell Biology, 2006, 8, 700-710.	10.3	390
3	Dynamics and Memory of Heterochromatin in Living Cells. Cell, 2012, 149, 1447-1460.	28.9	381
4	Deubiquitinating Enzyme Ubp6 Functions Noncatalytically to Delay Proteasomal Degradation. Cell, 2006, 127, 99-111.	28.9	316
5	Pharmacologic Inhibition of the Anaphase-Promoting Complex Induces A Spindle Checkpoint-Dependent Mitotic Arrest in the Absence of Spindle Damage. Cancer Cell, 2010, 18, 382-395.	16.8	285
6	Ubiquitin Chains Are Remodeled at the Proteasome by Opposing Ubiquitin Ligase and Deubiquitinating Activities. Cell, 2006, 127, 1401-1413.	28.9	280
7	Stability of the proteasome can be regulated allosterically through engagement of its proteolytic active sites. Nature Structural and Molecular Biology, 2007, 14, 1180-1188.	8.2	140
8	APC/C-mediated multiple monoubiquitylation provides an alternative degradation signal for cyclin B1. Nature Cell Biology, 2012, 14, 168-176.	10.3	125
9	Histone hyperacetylation disrupts core gene regulatory architecture in rhabdomyosarcoma. Nature Genetics, 2019, 51, 1714-1722.	21.4	113
10	Nucleosome Turnover Regulates Histone Methylation Patterns over the Genome. Molecular Cell, 2019, 73, 61-72.e3.	9.7	69
11	Comprehensive nucleosome interactome screen establishes fundamental principles of nucleosome binding. Nucleic Acids Research, 2020, 48, 9415-9432.	14.5	67
12	Dose-dependent activation of gene expression is achieved using CRISPR and small molecules that recruit endogenous chromatin machinery. Nature Biotechnology, 2020, 38, 50-55.	17.5	51
13	LSH mediates gene repression through macroH2A deposition. Nature Communications, 2020, 11, 5647.	12.8	35
14	Ring finger protein 121 is a potent regulator of adeno-associated viral genome transcription. PLoS Pathogens, 2019, 15, e1007988.	4.7	22
15	Deferiprone: Pan-selective Histone Lysine Demethylase Inhibition Activity and Structure Activity Relationship Study. Scientific Reports, 2019, 9, 4802.	3.3	20
16	Targeted Gene Repression Using Novel Bifunctional Molecules to Harness Endogenous Histone Deacetylation Activity. ACS Synthetic Biology, 2018, 7, 38-45.	3.8	17
17	Epigenetic Control of a Local Chromatin Landscape. International Journal of Molecular Sciences, 2020, 21, 943.	4.1	15
18	A Peptidomimetic Ligand Targeting the Chromodomain of MPP8 Reveals HRP2â€™s Association with the HUSH Complex. ACS Chemical Biology, 2021, 16, 1721-1736.	3.4	12

#	Article	IF	Citations
19	Design, Implementation, and Outcomes of a Three-week Pharmacy Bridging Course. American Journal of Pharmaceutical Education, 2017, 81, 6313.	2.1	12
20	Cavitation Enhancement Increases the Efficiency and Consistency of Chromatin Fragmentation from Fixed Cells for Downstream Quantitative Applications. Biochemistry, 2018, 57, 2756-2761.	2.5	11
21	Tethering of Lsh at the Oct4 locus promotes gene repression associated with epigenetic changes. Epigenetics, 2018, 13, 173-181.	2.7	10
22	Epigenetic roots of immunologic disease and new methods for examining chromatin regulatory pathways. Immunology and Cell Biology, 2015, 93, 261-270.	2.3	7
23	Dissecting cell biology with chemical scalpels. Current Opinion in Cell Biology, 2005, 17, 12-19.	5.4	5
24	Chemical screen for epigenetic barriers to single allele activation of Oct4. Stem Cell Research, 2019, 38, 101470.	0.7	5
25	Report and Application of a Tool Compound Data Set. Journal of Chemical Information and Modeling, 2017, 57, 2699-2706.	5.4	4
26	Repressing Gene Transcription by Redirecting Cellular Machinery with Chemical Epigenetic Modifiers. Journal of Visualized Experiments, 2018, , .	0.3	4
27	Contribution of promoter DNA sequence to heterochromatin formation velocity and memory of gene repression in mouse embryo fibroblasts. PLoS ONE, 2019, 14, e0217699.	2.5	4
28	Pathway-Based High-Throughput Chemical Screen Identifies Compounds That Decouple Heterochromatin Transformations. SLAS Discovery, 2019, 24, 802-816.	2.7	3
29	Bioorthogonal Chemical Epigenetic Modifiers Enable Dose-Dependent CRISPR Targeted Gene Activation in Mammalian Cells. ACS Synthetic Biology, 2022, 11, 1397-1407.	3.8	3