Steven McMahon

List of Publications by Year
in descending order

69 papers	8,762 citations	76326 40 h-index	88630 70 g-index
72 all docs	72 docs citations	72 times ranked	11399 citing authors

#	Article	IF	Citations
1	Myc regulates a transcriptional program that stimulates mitochondrial glutaminolysis and leads to glutamine addiction. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18782-18787.	7.1	1,655
2	Acetylation of the p53 DNA-Binding Domain Regulates Apoptosis Induction. Molecular Cell, 2006, 24, 841-851.	9.7	647
3	The Novel ATM-Related Protein TRRAP Is an Essential Cofactor for the c-Myc and E2F Oncoproteins. Cell, 1998, 94, 363-374.	28.9	611
4	The Essential Cofactor TRRAP Recruits the Histone Acetyltransferase hGCN5 to c-Myc. Molecular and Cellular Biology, 2000, 20, 556-562.	2.3	424
5	The Putative Cancer Stem Cell Marker USP22 Is a Subunit of the Human SAGA Complex Required for Activated Transcription and Cell-Cycle Progression. Molecular Cell, 2008, 29, 102-111.	9.7	370
6	Myc influences global chromatin structure. EMBO Journal, 2006, 25, 2723-2734.	7.8	343
7	The c-MYC Oncoprotein Is a Substrate of the Acetyltransferases hGCN5/PCAF and TIP60. Molecular and Cellular Biology, 2004, 24, 10826-10834.	2.3	299
8	The Myc oncoprotein: a critical evaluation of transactivation and target gene regulation. Oncogene, 1999, 18, 2916-2924.	5.9	288
9	An ATPase/Helicase Complex Is an Essential Cofactor for Oncogenic Transformation by c-Myc. Molecular Cell, 2000, 5, 321-330.	9.7	272
10	The p53 family and programmed cell death. Oncogene, 2008, 27, 6507-6521.	5.9	262
11	Analysis of genomic targets reveals complex functions of MYC. Nature Reviews Cancer, 2004, 4, 562-568.	28.4	261
12	Nuclear Cyclin D1/CDK4 Kinase Regulates CUL4 Expression and Triggers Neoplastic Growth via Activation of the PRMT5 Methyltransferase. Cancer Cell, 2010, 18, 329-340.	16.8	205
13	MYC and the Control of Apoptosis. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a014407-a014407.	6.2	186
14	The role of early growth response gene 1 (<i>egr</i>-1) in regulation of the immune response. Journal of Leukocyte Biology, 1996, 60, 159-166.	3.3	137
15	USP22, an hSAGA subunit and potential cancer stem cell marker, reverses the polycomb-catalyzed ubiquitylation of histone H2A. Cell Cycle, 2008, 7, 1522-1524.	2.6	131
16	Tra1p Is a Component of the Yeast AdaÂ·Spt Transcriptional Regulatory Complexes. Journal of Biological Chemistry, 1998, 273, 26559-26565.	3.4	124
17	Role of primary response genes in generating cellular responses to growth factors. FASEB Journal, 1992, 6, 2707-2715.	0.5	123
18	TRRAP-Dependent and TRRAP-Independent Transcriptional Activation by Myc Family Oncoproteins. Molecular and Cellular Biology, 2002, 22, 5054-5063.	2.3	121

#	Article	IF	Citations
19	E2F Transcriptional Activation Requires TRRAP and GCN5 Cofactors. Journal of Biological Chemistry, 2001, 276, 32627-32634.	3.4	119
20	The ATM-related domain of TRRAP is required for histone acetyltransferase recruitment and Myc-dependent oncogenesis. Genes and Development, 2001, 15, 1619-1624.	5.9	119
21	Metastasis-associated protein 1 (MTA1) is an essential downstream effector of the c-MYC oncoprotein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13968-13973.	7.1	111
22	Transcriptional Regulation of the mdm2 Oncogene by p53 Requires TRRAP Acetyltransferase Complexes. Molecular and Cellular Biology, 2002, 22, 5650-5661.	2.3	106
23	Phosphorylation of Tip60 by GSK-3 Determines the Induction of PUMA and Apoptosis by p53. Molecular Cell, 2011, 42, 584-596.	9.7	104
24	MYST protein acetyltransferase activity requires active site lysine autoacetylation. EMBO Journal, 2012, 31, 58-70.	7.8	101
25	USP22 Regulates Oncogenic Signaling Pathways to Drive Lethal Cancer Progression. Cancer Research, 2014, 74, 272-286.	0.9	98
26	Human ING1 Proteins Differentially Regulate Histone Acetylation. Journal of Biological Chemistry, 2002, 277, 29832-29839.	3.4	91
27	Control of CCND1 ubiquitylation by the catalytic SAGA subunit USP22 is essential for cell cycle progression through G1 in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9298-E9307.	7.1	91
28	A PERKâ€“miR-211 axis suppresses circadian regulators and protein synthesis to promote cancer cell survival. Nature Cell Biology, 2018, 20, 104-115.	10.3	86
29	Regulation of Epstein-Barr Virus Latency Type by the Chromatin Boundary Factor CTCF. Journal of Virology, 2006, 80, 5723-5732.	3.4	85
30	The Epigenetic Modifier Ubiquitin-specific Protease 22 (USP22) Regulates Embryonic Stem Cell Differentiation via Transcriptional Repression of Sex-determining Region Y-box 2 (SOX2). Journal of Biological Chemistry, 2013, 288, 24234-24246.	3.4	74
31	Acetylation of the DNA Binding Domain Regulates Transcription-independent Apoptosis by p53. Journal of Biological Chemistry, 2009, 284, 20197-20205.	3.4	70
32	Rise of the Rival. Science, 2010, 327, 964-965.	12.6	69
33	Delayed Accumulation of H3K27me3 on Nascent DNA Is Essential for Recruitment of Transcription Factors at Early Stages of Stem Cell Differentiation. Molecular Cell, 2017, 66, 247-257.e5.	9.7	69
34	A High-Confidence Interaction Map Identifies SIRT1 as a Mediator of Acetylation of USP22 and the SAGA Coactivator Complex. Molecular and Cellular Biology, 2013, 33, 1487-1502.	2.3	58
35	Dachshund Binds p53 to Block the Growth of Lung Adenocarcinoma Cells. Cancer Research, 2013, 73, 3262-3274.	0.9	55
36	Subtelomeric p53 binding prevents accumulation of <scp>DNA</scp> damage at human telomeres. EMBO Journal, 2016, 35, 193-207.	7.8	52

#	Article	IF	Citations
37	BCL2 Is a Downstream Effector of MIZ-1 Essential for Blocking c-MYC-induced Apoptosis. Journal of Biological Chemistry, 2007, 282, 5-13.	3.4	49
38	Biochemical pathways that regulate acetyltransferase and deacetylase activity in mammalian cells. Trends in Biochemical Sciences, 2009, 34, 571-578.	7.5	46
39	USP22 Functions as an Oncogenic Driver in Prostate Cancer by Regulating Cell Proliferation and DNA Repair. Cancer Research, 2020, 80, 430-443.	0.9	46
40	Targeting of Miz-1 Is Essential for Myc-mediated Apoptosis. Journal of Biological Chemistry, 2006, 281, 3283-3289.	3.4	36
41	Deacetylation of the DNA-binding Domain Regulates p53-mediated Apoptosis. Journal of Biological Chemistry, 2011, 286, 4264-4270.	3.4	32
42	Multi-focal control of mitochondrial gene expression by oncogenic MYC provides potential therapeutic targets in cancer. Oncotarget, 2016, 7, 72395-72414.	1.8	30
43	A rare DNA contact mutation in cancer confers p53 gainâ€ofâ€function and tumor cell survival via TNFAIP8 induction. Molecular Oncology, 2016, 10, 1207-1220.	4.6	27
44	Acetylation of the Cell-Fate Factor Dachshund Determines p53 Binding and Signaling Modules in Breast Cancer. Oncotarget, 2013, 4, 923-935.	1.8	27
45	Viral antigen expression in the pancreas of DHBV-infected embryos and young ducks. Virology, 1986, 150, 276-282.	2.4	26
46	Emerging Concepts in the Analysis of Transcriptional Targets of the MYC Oncoprotein: Are the Targets Targetable?. Genes and Cancer, 2010, 1, 560-567.	1.9	23
47	The ARF/Oncogene Pathway Activates p53 Acetylation within the DNA Binding Domain. Cell Cycle, 2007, 6, 1304-1306.	2.6	22
48	hMOF, a KAT(8) with Many Lives. Molecular Cell, 2009, 36, 174-175.	9.7	22
49	Distinct mechanisms control genome recognition by p53 at its target genes linked to different cell fates. Nature Communications, 2021, 12, 484.	12.8	22
50	Duck hepatitis B virus is tropic exocrine cells of the pancreas. Virology, 1985, 146, 157-161.	2.4	21
51	Regulation of microRNA-145 by growth arrest and differentiation. Experimental Cell Research, 2011, 317, 488-495.	2.6	18
52	Inhibition of the Single Downstream Target BAG1 Activates the Latent Apoptotic Potential of MYC. Molecular and Cellular Biology, 2011, 31, 5037-5045.	2.3	18
53	Lung-Enriched Mutations in the p53 Tumor Suppressor: A Paradigm for Tissue-Specific Gain of Oncogenic Function. Molecular Cancer Research, 2019, 17, 3-9.	3.4	17
54	Transient transfection of murine B lymphocyte blasts as a method for examining gene regulation in primary B cells. Journal of Immunological Methods, 1995, 179, 251-259.	1.4	15

#	Article	IF	Citations
55	Repression of telomerase gene promoter requires humanâ€specific genomic context and is mediated by multiple HDAC1â€containing corepressor complexes. FASEB Journal, 2017, 31, 1165-1178.	0.5	15
56	Dynamic regulation of mitochondrial transcription as a mechanism of cellular adaptation. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 1075-1079.	1.9	12
57	The lung-enriched p53 mutants V157F and R158L/P regulate a gain of function transcriptome in lung cancer. Carcinogenesis, 2020, 41, 67-77.	2.8	12
58	Identification of Novel Targets of MYC Whose Transcription Requires the Essential MbII Domain. Cell Cycle, 2006, 5, 238-241.	2.6	10
59	The SAGA complex regulates early steps in transcription via its deubiquitylase module subunit USP22. EMBO Journal, 2021, 40, e102509.	7.8	9
60	Control of nucleotide biosynthesis by the MYC oncoprotein. Cell Cycle, 2008, 7, 2275-6.	2.6	8
61	Expression of endogenous retroviral envelope glycoprotein as a determinant of immunity to rous sarcoma. Virology, 1986, 155, 737-741.	2.4	7
62	Interaction between the BAG1S isoform and HSP70 mediates the stability of anti-apoptotic proteins and the survival of osteosarcoma cells expressing oncogenic MYC. BMC Cancer, 2019, 19, 258.	2.6	7
63	A Î²-Catenin-TCF-Sensitive Locus Control Region Mediates GUCY2C Ligand Loss in Colorectal Cancer. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1276-1296.	4.5	6
64	p53: The TRiC Is Knowing When to Fold â€˜Em. Molecular Cell, 2013, 50, 781-782.	9.7	4
65	Unlocking p53 response elements: DNA shape is the key. Molecular and Cellular Oncology, 2021, 8, 1905489.	0.7	3
66	Ablation of humoral immunity in 15I5 Ã— 72 chickens is not predisposing to the formation of subgroup G virus-induced distal sarcomas. Virology, 1985, 146, 153-156.	2.4	1
67	Restricted clonality of visceral sarcomas in avian sarcoma virus-infected chickens. Virology, 1989, 169, 110-114.	2.4	1
68	Enzymatic assays for assessing histone deubiquitylation activity. Methods, 2011, 54, 339-347.	3.8	1
69	Rapid Detection of p53 Acetylation Status in Response to Cellular Stress Signaling. Methods in Molecular Biology, 2019, 1983, 255-262.	0.9	0