

# Mu-Shui Dai

## List of Publications by Year in descending order

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68  
papers

4,431  
citations

136940

32  
h-index

123420

61  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of MDM2-mediated p53 Ubiquitination and Degradation by Ribosomal Protein L5. <i>Journal of Biological Chemistry</i> , 2004, 279, 44475-44482.	3.4	464
2	Ribosomal Protein L23 Activates p53 by Inhibiting MDM2 Function in Response to Ribosomal Perturbation but Not to Translation Inhibition. <i>Molecular and Cellular Biology</i> , 2004, 24, 7654-7668.	2.3	444
3	Nucleophosmin Is Essential for Ribosomal Protein L5 Nuclear Export. <i>Molecular and Cellular Biology</i> , 2006, 26, 3798-3809.	2.3	191
4	MDM2 promotes p21waf1/cip1 proteasomal turnover independently of ubiquitylation. <i>EMBO Journal</i> , 2003, 22, 6365-6377.	7.8	180
5	5-Fluorouracil Activation of p53 Involves an MDM2-Ribosomal Protein Interaction. <i>Journal of Biological Chemistry</i> , 2007, 282, 8052-8059.	3.4	178
6	Positive regulation of p53 stability and activity by the deubiquitinating enzyme Otubain 1. <i>EMBO Journal</i> , 2012, 31, 576-592.	7.8	170
7	Inhibition of c-Myc activity by ribosomal protein L11. <i>EMBO Journal</i> , 2007, 26, 3332-3345.	7.8	168
8	The nucleolar ubiquitin-specific protease USP36 deubiquitinates and stabilizes c-Myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3734-3739.	7.1	160
9	Aberrant Expression of Nucleostemin Activates p53 and Induces Cell Cycle Arrest via Inhibition of MDM2. <i>Molecular and Cellular Biology</i> , 2008, 28, 4365-4376.	2.3	155
10	Identifying phenotype-associated subpopulations by integrating bulk and single-cell sequencing data. <i>Nature Biotechnology</i> , 2022, 40, 527-538.	17.5	128
11	HIF1 $\beta$ Protein Stability Is Increased by Acetylation at Lysine 709. <i>Journal of Biological Chemistry</i> , 2012, 287, 35496-35505.	3.4	123
12	14-3-3 $\beta$ binds to MDMX that is phosphorylated by UV-activated Chk1, resulting in p53 activation. <i>EMBO Journal</i> , 2006, 25, 1207-1218.	7.8	113
13	Crosstalk between c-Myc and ribosome in ribosomal biogenesis and cancer. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 670-677.	2.6	113
14	Regulation of the MDM2-p53 Pathway by Ribosomal Protein L11 Involves a Post-ubiquitination Mechanism. <i>Journal of Biological Chemistry</i> , 2006, 281, 24304-24313.	3.4	108
15	Ribosomal Stress Couples the Unfolded Protein Response to p53-dependent Cell Cycle Arrest. <i>Journal of Biological Chemistry</i> , 2006, 281, 30036-30045.	3.4	105
16	Mycophenolic Acid Activation of p53 Requires Ribosomal Proteins L5 and L11. <i>Journal of Biological Chemistry</i> , 2008, 283, 12387-12392.	3.4	101
17	Ribosomal Protein L11 Recruits miR-24/miRISC To Repress c-Myc Expression in Response to Ribosomal Stress. <i>Molecular and Cellular Biology</i> , 2011, 31, 4007-4021.	2.3	95
18	Interplay between Ribosomal Protein S27a and MDM2 Protein in p53 Activation in Response to Ribosomal Stress. <i>Journal of Biological Chemistry</i> , 2011, 286, 22730-22741.	3.4	86

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19	SSRP1 functions as a co-activator of the transcriptional activator p63. <i>EMBO Journal</i> , 2002, 21, 5487-5497.	7.8	81
20	MDM2 Inhibits PCAF (p300/CREB-binding Protein-associated Factor)-mediated p53 Acetylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 30838-30843.	3.4	75
21	Balance of Yin and Yang: Ubiquitylation-Mediated Regulation of p53 and c-Myc. <i>Neoplasia</i> , 2006, 8, 630-644.	5.3	75
22	Perturbation of 60 S Ribosomal Biogenesis Results in Ribosomal Protein L5- and L11-dependent p53 Activation. <i>Journal of Biological Chemistry</i> , 2010, 285, 25812-25821.	3.4	73
23	microRNA-130a suppresses breast cancer cell migration and invasion by targeting FOSL1 and upregulating ZO-1. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4945-4956.	2.6	67
24	SUMO protease SENP1 deSUMOylates and stabilizes c-Myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10983-10988.	7.1	59
25	Feedback Regulation of c-Myc by Ribosomal Protein L11. <i>Cell Cycle</i> , 2007, 6, 2735-2741.	2.6	55
26	Writing and erasing MYC ubiquitination and SUMOylation. <i>Genes and Diseases</i> , 2019, 6, 359-371.	3.4	55
27	Ribosomal Protein L11 Associates with c-Myc at 5 S rRNA and tRNA Genes and Regulates Their Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 12587-12594.	3.4	52
28	Post-translational modification localizes MYC to the nuclear pore basket to regulate a subset of target genes involved in cellular responses to environmental signals. <i>Genes and Development</i> , 2018, 32, 1398-1419.	5.9	52
29	Molecular Crosstalk Between MYC and HIF in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 590576.	3.7	50
30	Targeting the Ubiquitin-Mediated Proteasome Degradation of p53 for Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2013, 19, 3248-3262.	1.9	47
31	Monoubiquitination Is Critical for Ovarian Tumor Domain-containing Ubiquitin Aldehyde Binding Protein 1 (Otub1) to Suppress UbcH5 Enzyme and Stabilize p53 Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 5097-5108.	3.4	45
32	Interplay between hypoxia and androgen controls a metabolic switch conferring resistance to androgen/AR-targeted therapy. <i>Nature Communications</i> , 2018, 9, 4972.	12.8	40
33	Ribosomal protein L4 is a novel regulator of the MDM2-p53 loop. <i>Oncotarget</i> , 2016, 7, 16217-16226.	1.8	38
34	Deubiquitinating enzyme regulation of the p53 pathway: A lesson from Otub1. <i>World Journal of Biological Chemistry</i> , 2014, 5, 75-84.	4.3	35
35	The Effects of the Fanconi Anemia Zinc Finger (FAZF) on Cell Cycle, Apoptosis, and Proliferation Are Differentiation Stage-specific. <i>Journal of Biological Chemistry</i> , 2002, 277, 26327-26334.	3.4	33
36	Identification and Characterization of Nuclear and Nucleolar Localization Signals in the Adeno-Associated Virus Serotype 2 Assembly-Activating Protein. <i>Journal of Virology</i> , 2015, 89, 3038-3048.	3.4	32

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37	Deubiquitinating c-Myc: USP36 steps up in the nucleolus. <i>Cell Cycle</i> , 2015, 14, 3786-3793.	2.6	31
38	Deregulating MYC in a model of HER2+ breast cancer mimics human intertumoral heterogeneity. <i>Journal of Clinical Investigation</i> , 2019, 130, 231-246.	8.2	31
39	An expansion phase precedes terminal erythroid differentiation of hematopoietic progenitor cells from cord blood in vitro and is associated with up-regulation of cyclin E and cyclin-dependent kinase 2. <i>Blood</i> , 2000, 96, 3985-3987.	1.4	29
40	Physical and Functional Interaction between Ribosomal Protein L11 and the Tumor Suppressor ARF. <i>Journal of Biological Chemistry</i> , 2012, 287, 17120-17129.	3.4	29
41	Otub1 stabilizes MDMX and promotes its proapoptotic function at the mitochondria. <i>Oncotarget</i> , 2017, 8, 11053-11062.	1.8	29
42	The ubiquitin-specific protease USP36 is a conserved histone H2B deubiquitinase. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2363-2368.	2.1	24
43	MicroRNA-130a associates with ribosomal protein L11 to suppress c-Myc expression in response to UV irradiation. <i>Oncotarget</i> , 2015, 6, 1101-1114.	1.8	24
44	Growth inhibitory effects of large subunit ribosomal proteins in melanoma. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 801-812.	3.3	20
45	Targeting the MYC Ubiquitination-Proteasome Degradation Pathway for Cancer Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 679445.	2.8	20
46	Ubiquitin- and MDM2 E3 Ligase-independent Proteasomal Turnover of Nucleostemin in Response to GTP Depletion. <i>Journal of Biological Chemistry</i> , 2012, 287, 10013-10020.	3.4	19
47	Differentially Expressed Genes During In Vitro Differentiation of Murine Embryonic Stem Cells Transduced with a Human Erythropoietin Receptor cDNA. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2000, 9, 651-658.	1.8	17
48	Identification and characterization of a novel <i>Drosophila melanogaster</i> glutathione S-transferase-containing FLYWCH zinc finger protein. <i>Gene</i> , 2004, 342, 49-56.	2.2	17
49	The deubiquitinase USP36 promotes snoRNP group SUMOylation and is essential for ribosome biogenesis. <i>EMBO Reports</i> , 2021, 22, e50684.	4.5	17
50	The SUMO-specific protease SENP1 deSUMOylates p53 and regulates its activity. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 189-197.	2.6	15
51	$\beta$ -N-ASPP2, a novel isoform of the ASPP2 tumor suppressor, promotes cellular survival. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1271-1277.	2.1	12
52	GFZF, a Glutathione S-Transferase Protein Implicated in Cell Cycle Regulation and Hybrid Inviability, Is a Transcriptional Coactivator. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	12
53	RHEB1 insufficiency in aged male mice is associated with stress-induced seizures. <i>GeroScience</i> , 2017, 39, 557-570.	4.6	9
54	Co-transduction of cDNAs for c-kit and Steel Factor into Single CD34+ Cord Blood Cells Further Enhances the Growth of Erythroid and Multipotential Progenitors. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2000, 9, 813-825.	1.8	7

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55	Detection of Post-translational Modifications on MYC. <i>Methods in Molecular Biology</i> , 2021, 2318, 69-85.	0.9	6
56	Introduction of human erythropoietin receptor complementary DNA by retrovirus-mediated gene transfer into murine embryonic stem cells enhances erythropoiesis in developing embryoid bodies. <i>Biology of Blood and Marrow Transplantation</i> , 2000, 6, 395-407.	2.0	5
57	Enhancing effects of co-transduction of both human erythropoietin receptor and c-kitcDNAs into hematopoietic stem/progenitor cells from cord blood on proliferation and differentiation of erythroid progenitors. <i>Cytokines, Cellular &amp; Molecular Therapy</i> , 2000, 6, 1-8.	0.3	4
58	Abstract 3087: Regulation of p53 stability and activity by ribosomal protein S27a. , 2011, , .		2
59	SSRP1 functions as a co-activator of the transcriptional activator p63. <i>EMBO Journal</i> , 2004, 23, 1679-1679.	7.8	1
60	Inhibition of c-Myc activity by ribosomal protein L11. <i>EMBO Journal</i> , 2009, 28, 993-993.	7.8	1
61	An expansion phase precedes terminal erythroid differentiation of hematopoietic progenitor cells from cord blood in vitro and is associated with up-regulation of cyclin E and cyclin-dependent kinase 2. <i>Blood</i> , 2000, 96, 3985-3987.	1.4	1
62	Abstract LB-074: The nucleolar ubiquitin-specific protease USP36 deubiquitinates and stabilizes c-Myc. , 2015, , .		1
63	Ribosomal protein L11 associates with c-Myc at 5 S rRNA and tRNA genes and regulates their expression.. <i>Journal of Biological Chemistry</i> , 2010, 285, 39574.	3.4	0
64	p53 Tumor Suppressor Opens Gateways for Cancer Therapy. , 2008, , .		0
65	Abstract LB-308: Monoubiquitination is critical for Otub1 to suppress UbcH5 and stabilize p53. , 2014, , .		0
66	p73 to the rescue: Role of RPL26. <i>Oncotarget</i> , 2017, 8, 5641-5642.	1.8	0
67	Abstract LB-322:MicroRNA-130a suppresses breast cancer cell migration and invasion by targeting FOSL1 and upregulating ZO-1. , 2017, , .		0
68	Abstract 3536: SENP1 is a p53 deSUMOylating enzyme and its depletion induces p53 activity. , 2018, , .		0