

# Jianyuan Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

9,638  
citations

147566

31  
h-index

123241

61  
g-index

64  
all docs

64  
docs citations

64  
times ranked

12180  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Negative Control of p53 by Sir2 $\pm$ Promotes Cell Survival under Stress. <i>Cell</i> , 2001, 107, 137-148.  | 13.5 | 2,014     |
| 2  | Deubiquitination of p53 by HAUSP is an important pathway for p53 stabilization. <i>Nature</i> , 2002, 416, 648-653.   | 13.7 | 913       |
| 3  | Deacetylation of p53 modulates its effect on cell growth and apoptosis. <i>Nature</i> , 2000, 408, 377-381.   | 13.7 | 754       |
| 4  | SIRT1 transgenic mice show phenotypes resembling calorie restriction. <i>Aging Cell</i> , 2007, 6, 759-767.   | 3.0  | 656       |
| 5  | Tip60-Dependent Acetylation of p53 Modulates the Decision between Cell-Cycle Arrest and Apoptosis. <i>Molecular Cell</i> , 2006, 24, 827-839.   | 4.5  | 635       |
| 6  | Tumor Suppressor HIC1 Directly Regulates SIRT1 to Modulate p53-Dependent DNA-Damage Responses. <i>Cell</i> , 2005, 123, 437-448.  | 13.5 | 591       |
| 7  | The function of PML in p53-dependent apoptosis. <i>Nature Cell Biology</i> , 2000, 2, 730-736.  | 4.6  | 432       |
| 8  | Acetylation of p53 Inhibits Its Ubiquitination by Mdm2. <i>Journal of Biological Chemistry</i> , 2002, 277, 50607-50611.  | 1.6  | 414       |
| 9  | Acetylation of p53 augments its site-specific DNA binding both in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2259-2264.                           | 3.3  | 381       |
| 10 | Direct Interactions between HIF-1 $\pm$ and Mdm2 Modulate p53 Function. <i>Journal of Biological Chemistry</i> , 2003, 278, 13595-13598.  | 1.6  | 283       |
| 11 | SIRT1 and p53, effect on cancer, senescence and beyond. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1684-1689.   | 1.1  | 256       |
| 12 | Activation of Stat3 Sequence-specific DNA Binding and Transcription by p300/CREB-binding Protein-mediated Acetylation. <i>Journal of Biological Chemistry</i> , 2005, 280, 11528-11534.                                       | 1.6  | 231       |
| 13 | SIRT1 Regulates UV-Induced DNA Repair through Deacetylating XPA. <i>Molecular Cell</i> , 2010, 39, 247-258.   | 4.5  | 195       |
| 14 | Tumor suppressor p53 cooperates with SIRT6 to regulate gluconeogenesis by promoting FoxO1 nuclear exclusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10684-10689. | 3.3  | 193       |
| 15 | Regulation of WRN Protein Cellular Localization and Enzymatic Activities by SIRT1-mediated Deacetylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 7590-7598.  | 1.6  | 159       |
| 16 | SHMT2 Desuccinylation by SIRT5 Drives Cancer Cell Proliferation. <i>Cancer Research</i> , 2018, 78, 372-386.  | 0.4  | 150       |
| 17 | <scp>NAT</scp> 10 regulates p53 activation through acetylating p53 at K120 and ubiquitinating Mdm2. <i>EMBO Reports</i> , 2016, 17, 349-366.  | 2.0  | 116       |
| 18 | Parkin Regulates the Activity of Pyruvate Kinase M2. <i>Journal of Biological Chemistry</i> , 2016, 291, 10307-10317.   | 1.6  | 85        |

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|----|---|-----|-----------|
| 19 | RecQ4 Facilitates UV Light-induced DNA Damage Repair through Interaction with Nucleotide Excision Repair Factor Xeroderma Pigmentosum Group A (XPA). <i>Journal of Biological Chemistry</i> , 2008, 283, 29037-29044. | 1.6 | 67        |
| 20 | <scp>SIRT</scp> 2â€dependent <scp>IDH</scp> 1 deacetylation inhibits colorectal cancer and liver metastases. <i>EMBO Reports</i> , 2020, 21, e48183.  | 2.0 | 67        |
| 21 | Deacetylation of NAT10 by Sirt1 promotes the transition from rRNA biogenesis to autophagy upon energy stress. <i>Nucleic Acids Research</i> , 2018, 46, 9601-9616.  | 6.5 | 64        |
| 22 | PCAF-mediated acetylation of transcriptional factor HOXB9 suppresses lung adenocarcinoma progression by targeting oncogenic protein JMJD6. <i>Nucleic Acids Research</i> , 2016, 44, 10662-10675.                     | 6.5 | 62        |
| 23 | Downregulation of SIRT7 by 5-fluorouracil induces radiosensitivity in human colorectal cancer. <i>Theranostics</i> , 2017, 7, 1346-1359.  | 4.6 | 59        |
| 24 | USP11 Is a Negative Regulator to $\gamma$ H2AX Ubiquitylation by RNF8/RNF168. <i>Journal of Biological Chemistry</i> , 2016, 291, 959-967.  | 1.6 | 53        |
| 25 | Acetylation of PHF5A Modulates Stress Responses and Colorectal Carcinogenesis through Alternative Splicing-Mediated Upregulation of KDM3A. <i>Molecular Cell</i> , 2019, 74, 1250-1263.e6.                            | 4.5 | 53        |
| 26 | Acetylation of WRN Protein Regulates Its Stability by Inhibiting Ubiquitination. <i>PLoS ONE</i> , 2010, 5, e10341.   | 1.1 | 49        |
| 27 | C1QBP Promotes Homologous Recombination by Stabilizing MRE11 and Controlling the Assembly and Activation of MRE11/RAD50/NBS1 Complex. <i>Molecular Cell</i> , 2019, 75, 1299-1314.e6.                                 | 4.5 | 49        |
| 28 | The deubiquitinase USP11 regulates cell proliferation and ferroptotic cell death via stabilization of NRF2 USP11 deubiquitinates and stabilizes NRF2. <i>Oncogene</i> , 2021, 40, 1706-1720.                          | 2.6 | 43        |
| 29 | SIRT3 regulates cancer cell proliferation through deacetylation of PYCR1 in proline metabolism. <i>Neoplasia</i> , 2019, 21, 665-675.   | 2.3 | 42        |
| 30 | Dynamics of the p53 Acetylation Pathway. <i>Novartis Foundation Symposium</i> , 2008, , 197-207.  | 1.2 | 38        |
| 31 | Increased Amino Acid Uptake Supports Autophagy-Deficient Cell Survival upon Glutamine Deprivation. <i>Cell Reports</i> , 2018, 23, 3006-3020.   | 2.9 | 37        |
| 32 | The Role of SIRT1 in Tumorigenesis. <i>North American Journal of Medicine &amp; Science</i> , 2011, 4, 104.   | 3.8 | 36        |
| 33 | SIRT4 regulates PTEN stability through IDE in response to cellular stresses. <i>FASEB Journal</i> , 2019, 33, 5535-5547.  | 0.2 | 30        |
| 34 | Global-scale profiling of differential expressed lysine acetylated proteins in colorectal cancer tumors and paired liver metastases. <i>Journal of Proteomics</i> , 2016, 142, 24-32.                                 | 1.2 | 28        |
| 35 | Pregnane X receptor regulates the AhR/Cyp1A1 pathway and protects liver cells from benzo-[ $\pm$ ]-pyrene-induced DNA damage. <i>Toxicology Letters</i> , 2017, 275, 67-76.   | 0.4 | 27        |
| 36 | Regulation of Histone Acetyltransferase TIP60 Function by Histone Deacetylase 3. <i>Journal of Biological Chemistry</i> , 2014, 289, 33878-33886.   | 1.6 | 26        |

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|----|---|-----|-----------|
| 37 | Citrate synthase desuccinylation by SIRT5 promotes colon cancer cell proliferation and migration. <i>Biological Chemistry</i> , 2020, 401, 1031-1039.   | 1.2 | 26        |
| 38 | Sirtuin 7-mediated deacetylation of WD repeat domain 77 (WDR77) suppresses cancer cell growth by reducing WDR77/PRMT5 transmethylase complex activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 17769-17779. | 1.6 | 24        |
| 39 | Oxidative stress-CBP axis modulates MOB1 acetylation and activates the Hippo signaling pathway. <i>Nucleic Acids Research</i> , 2022, 50, 3817-3834.  | 6.5 | 22        |
| 40 | Long non-coding RNA p10247, high expressed in breast cancer (lncRNA-BCHE), is correlated with metastasis. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 109-121.  | 1.7 | 21        |
| 41 | PYCR, a key enzyme in proline metabolism, functions in tumorigenesis. <i>Amino Acids</i> , 2021, 53, 1841-1850.   | 1.2 | 21        |
| 42 | Protein post-translational modifications in the regulation of cancer hallmarks. <i>Cancer Gene Therapy</i> , 2023, 30, 529-547.   | 2.2 | 21        |
| 43 | MDM2-mediated degradation of WRN promotes cellular senescence in a p53-independent manner. <i>Oncogene</i> , 2019, 38, 2501-2515.   | 2.6 | 19        |
| 44 | Acetylation of FOXM1 is essential for its transactivation and tumor growth stimulation. <i>Oncotarget</i> , 2016, 7, 60366-60382.   | 0.8 | 19        |
| 45 | RBM15 Functions in Blood Diseases. <i>Current Cancer Drug Targets</i> , 2016, 16, 579-585.  | 0.8 | 19        |
| 46 | NAT10 regulates mitotic cell fate by acetylating Eg5 to control bipolar spindle assembly and chromosome segregation. <i>Cell Death and Differentiation</i> , 2022, 29, 846-860.   | 5.0 | 15        |
| 47 | MiR-17 Partly Promotes Hematopoietic Cell Expansion through Augmenting HIF-1 $\alpha$ in Osteoblasts. <i>PLoS ONE</i> , 2013, 8, e70232.  | 1.1 | 14        |
| 48 | SIRT5, functions in cellular metabolism with a multiple enzymatic activities. <i>Science China Life Sciences</i> , 2015, 58, 912-914.   | 2.3 | 13        |
| 49 | SIRT7 Deacetylates STRAP to Regulate p53 Activity and Stability. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4122.   | 1.8 | 13        |
| 50 | SIRTING through Breast Cancer Is Just a Survivin' Game. <i>Molecular Cell</i> , 2008, 32, 159-160.  | 4.5 | 12        |
| 51 | The Batten disease gene CLN3 confers resistance to endoplasmic reticulum stress induced by tunicamycin. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 115-120.                                | 1.0 | 12        |
| 52 | Deacetylation of HSD17B10 by SIRT3 regulates cell growth and cell resistance under oxidative and starvation stresses. <i>Cell Death and Disease</i> , 2020, 11, 563.  | 2.7 | 12        |
| 53 | Exosomal microRNAs induce tumor-associated macrophages via PPAR $\gamma$ during tumor progression in SHH medulloblastoma. <i>Cancer Letters</i> , 2022, 535, 215630.  | 3.2 | 12        |
| 54 | Acetylation of Werner syndrome protein (WRN): relationships with DNA damage, DNA replication and DNA metabolic activities. <i>Biogerontology</i> , 2014, 15, 347-366.   | 2.0 | 11        |

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|----|---|-----|-----------|
| 55 | MIB1-mediated degradation of WRN promotes cellular senescence in response to camptothecin treatment. <i>FASEB Journal</i> , 2020, 34, 11488-11497.  | 0.2 | 11        |
| 56 | Identification of diagnostic markers and lipid dysregulation in oesophageal squamous cell carcinoma through lipidomic analysis and machine learning. <i>British Journal of Cancer</i> , 2021, 125, 351-357. | 2.9 | 10        |
| 57 | WRN Protein and Werner Syndrome. <i>North American Journal of Medicine &amp; Science</i> , 2010, 3, 205.  | 3.8 | 9         |
| 58 | Acetylation dependent translocation of EWSR1 regulates CHK2 alternative splicing in response to DNA damage. <i>Oncogene</i> , 0, , .  | 2.6 | 5         |
| 59 | Acetylation of BLM protein regulates its function in response to DNA damage. <i>RSC Advances</i> , 2017, 7, 55301-55308.  | 1.7 | 4         |
| 60 | miR-17 promotes expansion and adhesion of human cord blood CD34+ cells in vitro. <i>Stem Cell Research and Therapy</i> , 2015, 6, 168.  | 2.4 | 2         |
| 61 | <i>miR-22</i> Inhibits CD34 <sup>+</sup> Cell Expansion Through Decreasing $\beta$ -Catenin in Osteoblasts. <i>Human Gene Therapy</i> , 2017, 28, 135-145.  | 1.4 | 2         |
| 62 | Quantitative proteomic analysis of aberrant expressed lysine acetylation in gastrointestinal stromal tumors. <i>Clinical Proteomics</i> , 2021, 18, 16.   | 1.1 | 1         |
| 63 | Regulation of Rothmund-Thomson syndrome protein RecQL4 functions in DNA replication by SIRT1-mediated deacetylation. <i>Genome Instability &amp; Disease</i> , 2021, 2, 240-252.                            | 0.5 | 0         |