

Yanming Wang

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64
papers

14,056
citations

38
h-index

70
g-index

70
ext. papers

16,339
ext. citations

9.8
avg, IF

5.86
L-index

#	Paper	IF	Citations
64	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
63	Histone and chromatin cross-talk. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 172-83	9	975
62	Histone hypercitrullination mediates chromatin decondensation and neutrophil extracellular trap formation. <i>Journal of Cell Biology</i> , 2009 , 184, 205-13	7.3	910
61	PAD4 is essential for antibacterial innate immunity mediated by neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1853-62	16.6	838
60	Human PAD4 regulates histone arginine methylation levels via demethyliminination. <i>Science</i> , 2004 , 306, 279-83	33.3	774
59	Molecular basis for the discrimination of repressive methyl-lysine marks in histone H3 by Polycomb and HP1 chromodomains. <i>Genes and Development</i> , 2003 , 17, 1870-81	12.6	758
58	Binary switches and modification cassettes in histone biology and beyond. <i>Nature</i> , 2003 , 425, 475-9	50.4	550
57	Diabetes primes neutrophils to undergo NETosis, which impairs wound healing. <i>Nature Medicine</i> , 2015 , 21, 815-9	50.5	540
56	PR-Set7 is a nucleosome-specific methyltransferase that modifies lysine 20 of histone H4 and is associated with silent chromatin. <i>Molecular Cell</i> , 2002 , 9, 1201-13	17.6	462
55	Neutrophil histone modification by peptidylarginine deiminase 4 is critical for deep vein thrombosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8674-9	11.5	326
54	Neutrophil Extracellular Traps Promote the Development and Progression of Liver Metastases after Surgical Stress. <i>Cancer Research</i> , 2016 , 76, 1367-80	10.1	323
53	Statins enhance formation of phagocyte extracellular traps. <i>Cell Host and Microbe</i> , 2010 , 8, 445-54	23.4	278
52	Damage-associated molecular pattern-activated neutrophil extracellular trap exacerbates sterile inflammatory liver injury. <i>Hepatology</i> , 2015 , 62, 600-14	11.2	254
51	PAD4 mediated histone hypercitrullination induces heterochromatin decondensation and chromatin unfolding to form neutrophil extracellular trap-like structures. <i>Frontiers in Immunology</i> , 2012 , 3, 307	8.4	250
50	Dynamic alterations of specific histone modifications during early murine development. <i>Journal of Cell Science</i> , 2004 , 117, 4449-59	5.3	186
49	Peptidylarginine deiminases in citrullination, gene regulation, health and pathogenesis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013 , 1829, 1126-35	6	185
48	Small Molecules Efficiently Reprogram Human Astroglial Cells into Functional Neurons. <i>Cell Stem Cell</i> , 2015 , 17, 735-747	18	181

47	The JIL-1 tandem kinase mediates histone H3 phosphorylation and is required for maintenance of chromatin structure in <i>Drosophila</i> . <i>Cell</i> , 2001 , 105, 433-43	56.2	180
46	VWF-mediated leukocyte recruitment with chromatin decondensation by PAD4 increases myocardial ischemia/reperfusion injury in mice. <i>Blood</i> , 2014 , 123, 141-8	2.2	168
45	Regulation of p53 target gene expression by peptidylarginine deiminase 4. <i>Molecular and Cellular Biology</i> , 2008 , 28, 4745-58	4.8	165
44	JIL-1: a novel chromosomal tandem kinase implicated in transcriptional regulation in <i>Drosophila</i> . <i>Molecular Cell</i> , 1999 , 4, 129-35	17.6	147
43	PAD4-deficiency does not affect bacteremia in polymicrobial sepsis and ameliorates endotoxemic shock. <i>Blood</i> , 2015 , 125, 1948-56	2.2	137
42	JIL-1, a chromosomal kinase implicated in regulation of chromatin structure, associates with the male specific lethal (MSL) dosage compensation complex. <i>Journal of Cell Biology</i> , 2000 , 149, 1005-10	7.3	128
41	Priming of neutrophils toward NETosis promotes tumor growth. <i>Oncotmmunology</i> , 2016 , 5, e1134073	7.2	118
40	Histone Arg modifications and p53 regulate the expression of OKL38, a mediator of apoptosis. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20060-8	5.4	111
39	Anticancer peptidylarginine deiminase (PAD) inhibitors regulate the autophagy flux and the mammalian target of rapamycin complex 1 activity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25941-53	5.4	110
38	Structural and histone binding ability characterizations of human PWWP domains. <i>PLoS ONE</i> , 2011 , 6, e18919	3.7	106
37	The enhancement of histone H4 and H2A serine 1 phosphorylation during mitosis and S-phase is evolutionarily conserved. <i>Chromosoma</i> , 2004 , 112, 360-71	2.8	89
36	Skeletor, a novel chromosomal protein that redistributes during mitosis provides evidence for the formation of a spindle matrix. <i>Journal of Cell Biology</i> , 2000 , 151, 1401-12	7.3	87
35	Beyond the Double Helix: Writing and Reading the Histone Code. <i>Novartis Foundation Symposium</i> , 2008 , 3-21		80
34	Regulation of histone H2A and H2B deubiquitination and <i>Xenopus</i> development by USP12 and USP46. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7190-201	5.4	76
33	Neutrophil peptidyl arginine deiminase-4 has a pivotal role in ischemia/reperfusion-induced acute kidney injury. <i>Kidney International</i> , 2018 , 93, 365-374	9.9	67
32	Beyond the double helix: writing and reading the histone code. <i>Novartis Foundation Symposium</i> , 2004 , 259, 3-17; discussion 17-21, 163-9		63
31	Citrullinated histone H3: a novel target for the treatment of sepsis. <i>Surgery</i> , 2014 , 156, 229-34	3.6	57
30	Neutral loss of isocyanic acid in peptide CID spectra: a novel diagnostic marker for mass spectrometric identification of protein citrullination. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 723-7	3.5	52

29	A comprehensive and high-resolution genome-wide response of p53 to stress. <i>Cell Reports</i> , 2014 , 8, 514-526	5.6	50
28	Inhibition of peptidylarginine deiminase alleviates LPS-induced pulmonary dysfunction and improves survival in a mouse model of lethal endotoxemia. <i>European Journal of Pharmacology</i> , 2018 , 833, 432-440	5.3	47
27	Bacterial Siderophores Hijack Neutrophil Functions. <i>Journal of Immunology</i> , 2017 , 198, 4293-4303	5.3	38
26	Peptidylarginine deiminase 4 contributes to tumor necrosis factor α -induced inflammatory arthritis. <i>Arthritis and Rheumatology</i> , 2014 , 66, 1482-91	9.5	38
25	CitH3: a reliable blood biomarker for diagnosis and treatment of endotoxic shock. <i>Scientific Reports</i> , 2017 , 7, 8972	4.9	38
24	Cutting edge: Intrinsic programming of thymic α cells for specific peripheral tissue localization. <i>Journal of Immunology</i> , 2010 , 185, 7156-60	5.3	37
23	ATF4 Gene Network Mediates Cellular Response to the Anticancer PAD Inhibitor YW3-56 in Triple-Negative Breast Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 877-88	6.1	36
22	Interaction of OKL38 and p53 in regulating mitochondrial structure and function. <i>PLoS ONE</i> , 2012 , 7, e43362	3.7	27
21	PAD4-dependent NETs generation are indispensable for intestinal clearance of <i>Citrobacter rodentium</i> . <i>Mucosal Immunology</i> , 2019 , 12, 761-771	9.2	26
20	A developmentally regulated splice variant from the complex lola locus encoding multiple different zinc finger domain proteins interacts with the chromosomal kinase JIL-1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 11696-704	5.4	22
19	Enrofloxacin enhances the formation of neutrophil extracellular traps in bovine granulocytes. <i>Journal of Innate Immunity</i> , 2014 , 6, 706-12	6.9	21
18	Endogenous PAD4 in Breast Cancer Cells Mediates Cancer Extracellular Chromatin Network Formation and Promotes Lung Metastasis. <i>Molecular Cancer Research</i> , 2020 , 18, 735-747	6.6	20
17	The JIL-1 kinase interacts with lamin Dm0 and regulates nuclear lamina morphology of <i>Drosophila</i> nurse cells. <i>Journal of Cell Science</i> , 2005 , 118, 5079-87	5.3	19
16	Iron-chelating agent desferrioxamine stimulates formation of neutrophil extracellular traps (NETs) in human blood-derived neutrophils. <i>Bioscience Reports</i> , 2016 , 36,	4.1	19
15	Methods for analyzing histone citrullination in chromatin structure and gene regulation. <i>Methods in Molecular Biology</i> , 2012 , 809, 473-88	1.4	10
14	TAT-Modified Gold Nanoparticles Enhance the Antitumor Activity of PAD4 Inhibitors. <i>International Journal of Nanomedicine</i> , 2020 , 15, 6659-6671	7.3	8
13	Inhibition of peptidylarginine deiminase attenuates inflammation and improves survival in a rat model of hemorrhagic shock. <i>Journal of Surgical Research</i> , 2016 , 200, 610-8	2.5	7
12	Murine Retinal Citrullination Declines With Age and is Mainly Dependent on Peptidyl Arginine Deiminase 4 (PAD4) 2018 , 59, 3808-3815		5

11	Histone hypercitrullination mediates chromatin decondensation and neutrophil extracellular trap formation. <i>Journal of Experimental Medicine</i> , 2009 , 206, i1-i1	16.6	4
10	Synthesis of reversible PAD4 inhibitors via copper-catalyzed C ₈ arylation of benzimidazole. <i>Science China Chemistry</i> , 2019 , 62, 592-596	7.9	3
9	Folded Conformation, Cyclic Pentamer, Nano-Structure and PAD4 Binding Mode of YW3-56. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10070-10078	3.8	3
8	Suppression of oxidative phosphorylation and IDH2 sensitizes colorectal cancer to a naphthalimide derivative and mitoxantrone. <i>Cancer Letters</i> , 2021 , 519, 30-45	9.9	3
7	p53 and the PWWP domain containing effector proteins in chromatin damage repair. <i>Cell & Developmental Biology</i> , 2013 , 2, 112		2
6	RGD Peptide and PAD4 Inhibitor-Loaded Gold Nanorods for Chemo-Photothermal Combined Therapy to Inhibit Tumor Growth, Prevent Lung Metastasis and Improve Biosafety. <i>International Journal of Nanomedicine</i> , 2021 , 16, 5565-5580	7.3	2
5	5 Methylation and demethylation of his tone arg and lys residues in chromatin structure and function. <i>The Enzymes</i> , 2006 , 24, 123-53	2.3	1
4	Increased Drp1 promotes autophagy and ESCC progression by mtDNA stress mediated cGAS-STING pathway.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022 , 41, 76	12.8	1
3	PAD2 Activity Monitored via a Fluorescent Substrate Analog. <i>Chemical Biology and Drug Design</i> , 2015 , 86, 599-605	2.9	
2	Techniques Analyzing Chromatin Modifications at Specific Single Loci 2015 , 79-100		
1	Iron chelating agents lead to the formation of neutrophil extracellular traps and subsequent entrapment of <i>Staphylococcus aureus</i> (1056.8). <i>FASEB Journal</i> , 2014 , 28, 1056.8	0.9	