

# Xuesen Zhang

## List of Publications by Year in descending order

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25  
papers

1,148  
citations

471509

17  
h-index

580821

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g-index

26  
all docs

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docs citations

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times ranked

1458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptidylarginine deiminase 2-catalyzed histone H3 arginine 26 citrullination facilitates estrogen receptor $\beta$ target gene activation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13331-13336.	7.1	173
2	Dysregulation of PAD4-mediated citrullination of nuclear GSK3 $\beta$ activates TGF- $\beta$ signaling and induces epithelial-to-mesenchymal transition in breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11851-11856.	7.1	109
3	Genome-Wide Analysis Reveals PADI4 Cooperates with Elk-1 to Activate c-Fos Expression in Breast Cancer Cells. PLoS Genetics, 2011, 7, e1002112.	3.5	107
4	Synthesis and Screening of a Haloacetamidine Containing Library To Identify PAD4 Selective Inhibitors. ACS Chemical Biology, 2012, 7, 160-165.	3.4	94
5	Potential Role for PAD2 in Gene Regulation in Breast Cancer Cells. PLoS ONE, 2012, 7, e41242.	2.5	82
6	Inhibiting PAD2 enhances the anti-tumor effect of docetaxel in tamoxifen-resistant breast cancer cells. Journal of Experimental and Clinical Cancer Research, 2019, 38, 414.	8.6	67
7	PAD1 promotes epithelial-mesenchymal transition and metastasis in triple-negative breast cancer cells by regulating MEK1-ERK1/2-MMP2 signaling. Cancer Letters, 2017, 409, 30-41.	7.2	65
8	Perfluorooctanoic acid stimulates ovarian cancer cell migration, invasion via ERK/NF- $\kappa$ B/MMP-2/-9 pathway. Toxicology Letters, 2018, 294, 44-50.	0.8	62
9	<sc>Amino Acid-Based Protein Arginine Deiminase Inhibitors: Synthesis, Pharmacokinetics, and in Cellulo Efficacy. ACS Medicinal Chemistry Letters, 2012, 3, 1081-1085.	2.8	43
10	Targeted H3R26 Deimination Specifically Facilitates Estrogen Receptor Binding by Modifying Nucleosome Structure. PLoS Genetics, 2014, 10, e1004613.	3.5	43
11	The role of MATER in endoplasmic reticulum distribution and calcium homeostasis in mouse oocytes. Developmental Biology, 2014, 386, 331-339.	2.0	42
12	Peptidylarginine deiminase 1-catalyzed histone citrullination is essential for early embryo development. Scientific Reports, 2016, 6, 38727.	3.3	40
13	PADI2-Catalyzed MEK1 Citrullination Activates ERK1/2 and Promotes IGF2BP1-Mediated SOX2 mRNA Stability in Endometrial Cancer. Advanced Science, 2021, 8, 2002831.	11.2	37
14	Differing roles of pyruvate dehydrogenase kinases during mouse oocyte maturation. Journal of Cell Science, 2015, 128, 2319-2329.	2.0	31
15	Role for PADI6 in securing the mRNA-MSY2 complex to the oocyte cytoplasmic lattices. Cell Cycle, 2017, 16, 360-366.	2.6	28
16	Perfluorooctanoic acid induces human Ishikawa endometrial cancer cell migration and invasion through activation of ERK/mTOR signaling. Oncotarget, 2016, 7, 66558-66568.	1.8	23
17	Decreased microRNA-125b-5p disrupts follicle steroidogenesis through targeting PAK3/ERK1/2 signalling in mouse preantral follicles. Metabolism: Clinical and Experimental, 2020, 107, 154241.	3.4	20
18	Long non-coding RNA Xist regulates oocyte loss via suppressing miR-23b-3p/miR-29a-3p maturation and upregulating STX17 in perinatal mouse ovaries. Cell Death and Disease, 2021, 12, 540.	6.3	17

#	ARTICLE	IF	CITATIONS
19	Halogen Bonding Increases the Potency and Isozyme Selectivity of Protein Arginine Deiminase 1 Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12476-12480.	13.8	16
20	Wilms's tumor 1 ( <i>WT1</i> ) promotes ovarian cancer progression by regulating E-cadherin and ERK1/2 signaling. <i>Cell Cycle</i> , 2020, 19, 2662-2675.	2.6	15
21	microRNA 92b-3p regulates primordial follicle assembly by targeting TSC1 in neonatal mouse ovaries. <i>Cell Cycle</i> , 2019, 18, 824-833.	2.6	12
22	Peptidylarginine deiminase 4 overexpression resensitizes MCF-7/ADR breast cancer cells to adriamycin via GSK3 $\beta$ /p53 activation. <i>Cancer Management and Research</i> , 2019, Volume 11, 625-636.	1.9	11
23	Intestinal Flora Changes Induced by a High-Fat Diet Promote Activation of Primordial Follicles through Macrophage Infiltration and Inflammatory Factor Secretion in Mouse Ovaries. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4797.	4.1	5
24	Molecular Characteristics of Novel Phage vB_ShiP-A7 Infecting Multidrug-Resistant <i>Shigella flexneri</i> and <i>Escherichia coli</i> , and Its Bactericidal Effect in vitro and in vivo. <i>Frontiers in Microbiology</i> , 2021, 12, 698962.	3.5	4
25	Halogen Bonding Increases the Potency and Isozyme Selectivity of Protein Arginine Deiminase 1 Inhibitors. <i>Angewandte Chemie</i> , 2019, 131, 12606-12610.	2.0	2