

# Zhigao Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

4,363  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

6534  
citing authors

#	ARTICLE	IF	CITATIONS
1	RIPK1 dephosphorylation and kinase activation by PPP1R3G/PP1 $\beta$ promote apoptosis and necroptosis. <i>Nature Communications</i> , 2021, 12, 7067.	12.8	15
2	HSP70 promotes MLKL polymerization and necroptosis. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1791561.	0.7	7
3	Mitochondrial phosphatase PGAM5 modulates cellular senescence by regulating mitochondrial dynamics. <i>Nature Communications</i> , 2020, 11, 2549.	12.8	100
4	Necroptosis-blocking compound NBC1 targets heat shock protein 70 to inhibit MLKL polymerization and necroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6521-6530.	7.1	26
5	CK1 $\alpha$ , CK1 $\beta$ , and CK1 $\mu$ are necrosome components which phosphorylate serine 227 of human RIPK3 to activate necroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1962-1970.	7.1	35
6	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1. <i>Nature</i> , 2018, 564, 136-140.	27.8	186
7	Use of Two Dimensional Semi-denaturing Detergent Agarose Gel Electrophoresis to Confirm Size Heterogeneity of Amyloid or Amyloid-like Fibers. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	3
8	Necroptosis: MLKL Polymerization. <i>Journal of Nature and Science</i> , 2018, 4, .	1.1	13
9	MLKL forms disulfide bond-dependent amyloid-like polymers to induce necroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7450-E7459.	7.1	123
10	Thioredoxin-1 actively maintains the pseudokinase MLKL in a reduced state to suppress disulfide bond-dependent MLKL polymer formation and necroptosis. <i>Journal of Biological Chemistry</i> , 2017, 292, 17514-17524.	3.4	24
11	The Mitochondrial Phosphatase PGAM5 Functions at the Convergence Point of Multiple Necrotic Death Pathways. <i>Cell</i> , 2012, 148, 228-243.	28.9	799
12	Mixed Lineage Kinase Domain-like Protein Mediates Necrosis Signaling Downstream of RIP3 Kinase. <i>Cell</i> , 2012, 148, 213-227.	28.9	2,056
13	Myocardin and ternary complex factors compete for SRF to control smooth muscle gene expression. <i>Nature</i> , 2004, 428, 185-189.	27.8	511
14	Myocardin is a master regulator of smooth muscle gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7129-7134.	7.1	465