Zhigao Wang

List of Publications by Year
in descending order

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14	4,363	840776 11	1058476 14
papers	citations	h-index	g-index

14	14	14	6534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mixed Lineage Kinase Domain-like Protein Mediates Necrosis Signaling Downstream of RIP3 Kinase. Cell, 2012, 148, 213-227.	28.9	2,056
2	The Mitochondrial Phosphatase PGAM5 Functions at the Convergence Point of Multiple Necrotic Death Pathways. Cell, 2012, 148, 228-243.	28.9	799
3	Myocardin and ternary complex factors compete for SRF to control smooth muscle gene expression. Nature, 2004, 428, 185-189.	27.8	511
4	Myocardin is a master regulator of smooth muscle gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7129-7134.	7.1	465
5	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1. Nature, 2018, 564, 136-140.	27.8	186
6	MLKL forms disulfide bond-dependent amyloid-like polymers to induce necroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7450-E7459.	7.1	123
7	Mitochondrial phosphatase PGAM5 modulates cellular senescence by regulating mitochondrial dynamics. Nature Communications, 2020, 11, 2549.	12.8	100
8	CK1Î±, CK1Î´, and CK1Îµ are necrosome components which phosphorylate serine 227 of human RIPK3 to activate necroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1962-1970.	7.1	35
9	Necroptosis-blocking compound NBC1 targets heat shock protein 70 to inhibit MLKL polymerization and necroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6521-6530.	7.1	26
10	Thioredoxin-1 actively maintains the pseudokinase MLKL in a reduced state to suppress disulfide bond-dependent MLKL polymer formation and necroptosis. Journal of Biological Chemistry, 2017, 292, 17514-17524.	3.4	24
11	RIPK1 dephosphorylation and kinase activation by PPP1R3G/PP1Î³ promote apoptosis and necroptosis. Nature Communications, 2021, 12, 7067.	12.8	15
12	Necroptosis: MLKL Polymerization. Journal of Nature and Science, 2018, 4, .	1.1	13
13	HSP70 promotes MLKL polymerization and necroptosis. Molecular and Cellular Oncology, 2020, 7, 1791561.	0.7	7
14	Use of Two Dimensional Semi-denaturing Detergent Agarose Gel Electrophoresis to Confirm Size Heterogeneity of Amyloid or Amyloid-like Fibers. Journal of Visualized Experiments, 2018, , .	0.3	3