

# Lei Wei

## List of Publications by Year in descending order

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38  
papers

2,739  
citations

201674

27  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

4490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rho kinase in the regulation of cell death and survival. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2007, 55, 61-75.	2.3	215
2	Activation of Rho-associated coiled-coil protein kinase 1 (ROCK-1) by caspase-3 cleavage plays an essential role in cardiac myocyte apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14495-14500.	7.1	205
3	Rho kinases play an obligatory role in vertebrate embryonic organogenesis. <i>Development (Cambridge)</i> , 2001, 128, 2953-2962.	2.5	198
4	Targeted deletion of ROCK1 protects the heart against pressure overload by inhibiting reactive fibrosis. <i>FASEB Journal</i> , 2006, 20, 916-925.	0.5	195
5	Distinct roles for ROCK1 and ROCK2 in the regulation of cell detachment. <i>Cell Death and Disease</i> , 2013, 4, e483-e483.	6.3	176
6	Rho kinase as a therapeutic target in cardiovascular disease. <i>Future Cardiology</i> , 2011, 7, 657-671.	1.2	155
7	Novel Insights into the Roles of Rho Kinase in Cancer. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2016, 64, 259-278.	2.3	154
8	Identification of Regulators of Polyploidization Presents Therapeutic Targets for Treatment of AMKL. <i>Cell</i> , 2012, 150, 575-589.	28.9	136
9	Rho Kinases in Cardiovascular Physiology and Pathophysiology. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 341-354.	1.9	128
10	ROCK1 functions as a suppressor of inflammatory cell migration by regulating PTEN phosphorylation and stability. <i>Blood</i> , 2010, 115, 1785-1796.	1.4	118
11	Integrin signaling's potential for mediating gene expression in hypertrophying skeletal muscle. <i>Journal of Applied Physiology</i> , 2000, 88, 337-343.	2.5	103
12	Inhibition of Rho family GTPases by Rho GDP dissociation inhibitor disrupts cardiac morphogenesis and inhibits cardiomyocyte proliferation. <i>Development (Cambridge)</i> , 2002, 129, 1705-1714.	2.5	96
13	Rho Kinase Regulates the Survival and Transformation of Cells Bearing Oncogenic Forms of KIT, FLT3, and BCR-ABL. <i>Cancer Cell</i> , 2011, 20, 357-369.	16.8	84
14	ROCK Inhibitor Y-27632 Suppresses Dissociation-Induced Apoptosis of Murine Prostate Stem/Progenitor Cells and Increases Their Cloning Efficiency. <i>PLoS ONE</i> , 2011, 6, e18271.	2.5	74
15	$\beta$ 1 integrin and organized actin filaments facilitate cardiomyocyte-specific Rho-dependent activation of the skeletal $\alpha$ -actin promoter. <i>FASEB Journal</i> , 2001, 15, 785-796.	0.5	70
16	ROCK1 plays an essential role in the transition from cardiac hypertrophy to failure in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 819-828.	1.9	58
17	Disruption of ROCK1 gene attenuates cardiac dilation and improves contractile function in pathological cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 551-560.	1.9	52
18	ROCK1 isoform-specific deletion reveals a role for diet-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E332-E343.	3.5	47

#	ARTICLE	IF	CITATIONS
19	Dissecting the Mechanisms of Doxorubicin and Oxidative Stress-Induced Cytotoxicity: The Involvement of Actin Cytoskeleton and ROCK1. <i>PLoS ONE</i> , 2015, 10, e0131763.	2.5	46
20	Disruption of Rho signaling results in progressive atrioventricular conduction defects while ventricular function remains preserved. <i>FASEB Journal</i> , 2004, 18, 857-859.	0.5	44
21	Rho-Kinase in Development and Heart Failure: Insights From Genetic Models. <i>Pediatric Cardiology</i> , 2011, 32, 297-304.	1.3	40
22	Disruption of both ROCK1 and ROCK2 genes in cardiomyocytes promotes autophagy and reduces cardiac fibrosis during aging. <i>FASEB Journal</i> , 2019, 33, 7348-7362.	0.5	37
23	Downregulation of doxorubicin-induced myocardial apoptosis accompanies postnatal heart maturation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1603-H1613.	3.2	32
24	$\beta$ -Integrin and PI 3-kinase regulate RhoA-dependent activation of skeletal $\alpha$ -actin promoter in myoblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1736-H1743.	3.2	31
25	Inhibition of Rho family GTPases by Rho GDP dissociation inhibitor disrupts cardiac morphogenesis and inhibits cardiomyocyte proliferation. <i>Development (Cambridge)</i> , 2002, 129, 1705-14.	2.5	31
26	ROCK1 functions as a critical regulator of stress erythropoiesis and survival by regulating p53. <i>Blood</i> , 2012, 120, 2868-2878.	1.4	29
27	Mechanism of fibrotic cardiomyopathy in mice expressing truncated Rho-associated coiled-coil protein kinase 1. <i>FASEB Journal</i> , 2012, 26, 2105-2116.	0.5	28
28	Dissecting the roles of ROCK isoforms in stress-induced cell detachment. <i>Cell Cycle</i> , 2013, 12, 1492-1500.	2.6	28
29	Regulation of the Actin Cytoskeleton by Rho Kinase Controls Antigen Presentation by CD1d. <i>Journal of Immunology</i> , 2012, 189, 1689-1698.	0.8	26
30	ROCK1 Deficiency Enhances Protective Effects of Antioxidants against Apoptosis and Cell Detachment. <i>PLoS ONE</i> , 2014, 9, e90758.	2.5	26
31	Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced cardiotoxicity. <i>Oncotarget</i> , 2018, 9, 12995-13008.	1.8	25
32	ROCK1 via LIM kinase regulates growth, maturation and actin based functions in mast cells. <i>Oncotarget</i> , 2016, 7, 16936-16947.	1.8	15
33	ROCK2 inhibition enhances the thermogenic program in white and brown fat tissue in mice. <i>FASEB Journal</i> , 2020, 34, 474-493.	0.5	11
34	ROCK1 Functions As a Critical Regulator of Stress Erythropoiesis and Survival by Regulating p53. <i>Blood</i> , 2011, 118, 916-916.	1.4	11
35	Rho Kinases in Embryonic Development and Stem Cell Research. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2022, 70, 4.	2.3	10
36	Insight Into Rho Kinase Isoforms in Obesity and Energy Homeostasis. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	5

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37	ROCK1 Regulates Critical Functions in Macrophages and Neutrophils.. Blood, 2007, 110, 2406-2406.	1.4	0
38	ROCK1 Regulates Growth, Maturation and Migration of Mast Cells.. Blood, 2007, 110, 2191-2191.	1.4	0