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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	13,187 citations	49 h-index	107 g-index
107 ext. papers	14,398 ext. citations	7.6 avg, IF	6.77 L-index

#	Paper	IF	Citations
103	Upregulation of endothelial nitric oxide synthase by HMG CoA reductase inhibitors. <i>Circulation</i> , 1998 , 97, 1129-35	16.7	1558
102	Pleiotropic effects of statins. <i>Annual Review of Pharmacology and Toxicology</i> , 2005 , 45, 89-118	17.9	1303
101	Post-transcriptional regulation of endothelial nitric oxide synthase mRNA stability by Rho GTPase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 24266-71	5.4	802
100	Pleiotropic Effects of Statins on the Cardiovascular System. <i>Circulation Research</i> , 2017 , 120, 229-243	15.7	514
99	Pleiotropic effects of statin therapy: molecular mechanisms and clinical results. <i>Trends in Molecular Medicine</i> , 2008 , 14, 37-44	11.5	428
98	Rho-kinase mediates hypoxia-induced downregulation of endothelial nitric oxide synthase. <i>Circulation</i> , 2002 , 106, 57-62	16.7	421
97	Oxidized low-density lipoprotein decreases the expression of endothelial nitric oxide synthase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 319-24	5.4	389
96	Rho GTPases, statins, and nitric oxide. <i>Circulation Research</i> , 2005 , 97, 1232-5	15.7	383
95	Short-term statin therapy improves cardiac function and symptoms in patients with idiopathic dilated cardiomyopathy. <i>Circulation</i> , 2003 , 108, 839-43	16.7	349
94	Statins as antioxidant therapy for preventing cardiac myocyte hypertrophy. <i>Journal of Clinical Investigation</i> , 2001 , 108, 1429-37	15.9	337
93	Inhibition of Rho kinase (ROCK) leads to increased cerebral blood flow and stroke protection. <i>Stroke</i> , 2005 , 36, 2251-7	6.7	308
92	Physiological role of ROCKs in the cardiovascular system. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C661-8	5.4	307
91	Isoprenoids as mediators of the biological effects of statins. <i>Journal of Clinical Investigation</i> , 2002 , 110, 285-288	15.9	307
90	Rho kinase (ROCK) inhibitors. <i>Journal of Cardiovascular Pharmacology</i> , 2007 , 50, 17-24	3.1	299
89	3-Hydroxy-3-methylglutaryl-CoA reductase inhibitors attenuate vascular smooth muscle proliferation by preventing rho GTPase-induced down-regulation of p27(Kip1). <i>Journal of Biological Chemistry</i> , 1999 , 274, 21926-31	5.4	299
88	Inhibition of 3-hydroxy-3-methylglutaryl (HMG)-CoA reductase blocks hypoxia-mediated down-regulation of endothelial nitric oxide synthase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 31725-9	5.4	294
87	Inhibition of Rho-kinase leads to rapid activation of phosphatidylinositol 3-kinase/protein kinase Akt and cardiovascular protection. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1842-7	9.4	289

86	Linking endothelial dysfunction with endothelial cell activation. <i>Journal of Clinical Investigation</i> , 2013 , 123, 540-1	15.9	232
85	Requirement of Rac1 in the development of cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7432-7	11.5	227
84	Fingolimod provides long-term protection in rodent models of cerebral ischemia. <i>Annals of Neurology</i> , 2011 , 69, 119-29	9.4	213
83	Beyond lipid lowering: the role of statins in vascular protection. <i>International Journal of Cardiology</i> , 2002 , 86, 5-18	3.2	205
82	Effects of statins on 3-hydroxy-3-methylglutaryl coenzyme a reductase inhibition beyond low-density lipoprotein cholesterol. <i>American Journal of Cardiology</i> , 2005 , 96, 24F-33F	3	200
81	Evidence for statin pleiotropy in humans: differential effects of statins and ezetimibe on rho-associated coiled-coil containing protein kinase activity, endothelial function, and inflammation. <i>Circulation</i> , 2009 , 119, 131-8	16.7	179
80	Decreased perivascular fibrosis but not cardiac hypertrophy in ROCK1+/- haploinsufficient mice. <i>Circulation</i> , 2005 , 112, 2959-65	16.7	176
79	Safety and efficacy of statins in Asians. <i>American Journal of Cardiology</i> , 2007 , 99, 410-4	3	166
78	Phosphorylation of IRF4 by ROCK2 regulates IL-17 and IL-21 production and the development of autoimmunity in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3280-95	15.9	164
77	Estrogens and glucocorticoids inhibit endothelial vascular cell adhesion molecule-1 expression by different transcriptional mechanisms. <i>Circulation Research</i> , 2000 , 87, 19-25	15.7	159
76	Rho kinase inhibition improves endothelial function in human subjects with coronary artery disease. <i>Circulation Research</i> , 2006 , 99, 1426-32	15.7	143
75	ROCK1 mediates leukocyte recruitment and neointima formation following vascular injury. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1632-44	15.9	139
74	Isoprenoids as mediators of the biological effects of statins. <i>Journal of Clinical Investigation</i> , 2002 , 110, 285-8	15.9	138
73	Endothelial nitric oxide synthase-dependent cerebral blood flow augmentation by L-arginine after chronic statin treatment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 709-17	7.3	123
72	The Rho kinases: critical mediators of multiple profibrotic processes and rational targets for new therapies for pulmonary fibrosis. <i>Pharmacological Reviews</i> , 2015 , 67, 103-17	22.5	119
71	Rho-associated coiled-coil-forming kinases (ROCKs): potential targets for the treatment of atherosclerosis and vascular disease. <i>Trends in Pharmacological Sciences</i> , 2011 , 32, 167-73	13.2	119
70	Long-term statin use and psychological well-being. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 690-7	15.1	107
69	Statins inhibit Rho kinase activity in patients with atherosclerosis. <i>Atherosclerosis</i> , 2009 , 205, 517-21	3.1	97

68	Elevated Angiopoietin-2 Level in Patients With Continuous-Flow Left Ventricular Assist Devices Leads to Altered Angiogenesis and Is Associated With Higher Nonsurgical Bleeding. <i>Circulation</i> , 2016 , 134, 141-52	16.7	87
67	Rho kinase: an important mediator of atherosclerosis and vascular disease. <i>Current Pharmaceutical Design</i> , 2009 , 15, 3108-15	3.3	86
66	Increased Rho kinase activity in a Taiwanese population with metabolic syndrome. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 1619-1624	15.1	81
65	Rho Kinases and Cardiac Remodeling. <i>Circulation Journal</i> , 2016 , 80, 1491-8	2.9	73
64	Roles of rho-associated kinase and oxidative stress in the pathogenesis of aortic stiffness. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 698-705	15.1	72
63	Simvastatin upregulates coronary vascular endothelial nitric oxide production in conscious dogs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2649-57	5.2	70
62	FHL2 prevents cardiac hypertrophy in mice with cardiac-specific deletion of ROCK2. <i>FASEB Journal</i> , 2013 , 27, 1439-49	0.9	64
61	RhoA Kinase Inhibition With Fasudil Versus Simvastatin in Murine Models of Cerebral Cavernous Malformations. <i>Stroke</i> , 2017 , 48, 187-194	6.7	63
60	Comparison of effects of rosuvastatin (10 mg) versus atorvastatin (40 mg) on rho kinase activity in caucasian men with a previous atherosclerotic event. <i>American Journal of Cardiology</i> , 2009 , 103, 437-41	3	61
59	Deficiency of ROCK1 in bone marrow-derived cells protects against atherosclerosis in LDLR ^{-/-} mice. <i>FASEB Journal</i> , 2008 , 22, 3561-70	0.9	59
58	Statins exert the pleiotropic effects through small GTP-binding protein dissociation stimulator upregulation with a resultant Rac1 degradation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1591-600	9.4	58
57	The Rho Kinase Isoforms ROCK1 and ROCK2 Each Contribute to the Development of Experimental Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 471-481	5.7	55
56	Secondary prevention of stroke and transient ischemic attack: is more platelet inhibition the answer?. <i>Circulation</i> , 2007 , 115, 1615-21	16.7	50
55	A method for measuring Rho kinase activity in tissues and cells. <i>Methods in Enzymology</i> , 2008 , 439, 181-91	1.7	49
54	Novel aspects of the roles of Rac1 GTPase in the cardiovascular system. <i>Current Opinion in Pharmacology</i> , 2010 , 10, 116-21	5.1	48
53	Increased leukocyte ROCK activity in patients after acute ischemic stroke. <i>Brain Research</i> , 2009 , 1257, 89-93	3.7	43
52	Fibroblast deletion of ROCK2 attenuates cardiac hypertrophy, fibrosis, and diastolic dysfunction. <i>JCI Insight</i> , 2017 , 2,	9.9	43
51	Calcium channel blocker and Rho-associated kinase activity in patients with hypertension. <i>Journal of Hypertension</i> , 2011 , 29, 373-9	1.9	40

50	Tumor necrosis factor- β levels and non-surgical bleeding in continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 107-115	5.8	36
49	Potential serum biomarkers in the pathophysiological processes of stroke. <i>Expert Review of Neurotherapeutics</i> , 2014 , 14, 173-85	4.3	35
48	Statin therapy for cardiac hypertrophy and heart failure. <i>Journal of Investigative Medicine</i> , 2004 , 52, 248-53	3.3	35
47	Increased Rho kinase activity in congestive heart failure. <i>European Journal of Heart Failure</i> , 2012 , 14, 965-73	12.3	33
46	The Pleiotropic Effects of Statins - From Coronary Artery Disease and Stroke to Atrial Fibrillation and Ventricular Tachyarrhythmia. <i>Current Vascular Pharmacology</i> , 2019 , 17, 222-232	3.3	33
45	ROCK as a therapeutic target for ischemic stroke. <i>Expert Review of Neurotherapeutics</i> , 2017 , 17, 1167-1173	4.3	30
44	The inhibition of endothelial activation by unsaturated fatty acids. <i>Lipids</i> , 1999 , 34 Suppl, S191-4	1.6	29
43	Unique fractal evaluation and therapeutic implications of mitochondrial morphology in malignant mesothelioma. <i>Scientific Reports</i> , 2016 , 6, 24578	4.9	27
42	Increased leukocyte Rho-associated coiled-coil containing protein kinase activity predicts the presence and severity of coronary vasospastic angina. <i>Atherosclerosis</i> , 2012 , 221, 521-6	3.1	25
41	ROCK insufficiency attenuates ozone-induced airway hyperresponsiveness in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L736-46	5.8	24
40	Rho Kinase Inhibition Blunts Lesion Development and Hemorrhage in Murine Models of Aggressive Pdc10/Ccm3 Disease. <i>Stroke</i> , 2019 , 50, 738-744	6.7	23
39	Squalene synthase inhibitor lapaquistat acetate: could anything be better than statins?. <i>Circulation</i> , 2011 , 123, 1925-8	16.7	17
38	Critical role of exogenous nitric oxide in ROCK activity in vascular smooth muscle cells. <i>PLoS ONE</i> , 2014 , 9, e109017	3.7	17
37	Decreased thromboembolic stroke but not atherosclerosis or vascular remodelling in mice with ROCK2-deficient platelets. <i>Cardiovascular Research</i> , 2017 , 113, 1307-1317	9.9	15
36	Inhibition of Rho-kinase attenuates endothelial-leukocyte interaction during ischemia-reperfusion injury. <i>Vascular Medicine</i> , 2012 , 17, 379-85	3.3	15
35	A combination of increased Rho kinase activity and N-terminal pro-B-type natriuretic peptide predicts worse cardiovascular outcome in patients with acute coronary syndrome. <i>International Journal of Cardiology</i> , 2013 , 167, 2813-9	3.2	14
34	Gene variations of ROCKs and risk of ischaemic stroke: the Women's Genome Health Study. <i>Clinical Science</i> , 2014 , 126, 829-835	6.5	13
33	Statins and ischemic stroke. <i>Atherosclerosis Supplements</i> , 2002 , 3, 21-5	1.7	13

32	Targeting Rho-associated coiled-coil forming protein kinase (ROCK) in cardiovascular fibrosis and stiffening. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 24, 47-62	6.4	13
31	Cardiology Consultation in the Emergency Department Reduces Re-hospitalizations for Low-Socioeconomic Patients with Acute Decompensated Heart Failure. <i>American Journal of Medicine</i> , 2017 , 130, 1112.e17-1112.e31	2.4	11
30	Neuroprotection Mediated by Upregulation of Endothelial Nitric Oxide Synthase in Rho-Associated, Coiled-Coil-Containing Kinase 2 Deficient Mice. <i>Circulation Journal</i> , 2018 , 82, 1195-1204	2.9	9
29	Rosuvastatin to prevent vascular events in men and women with elevated C-reactive protein. <i>Current Atherosclerosis Reports</i> , 2009 , 11, 243-4	6	9
28	Serine-threonine kinase ROCK2 regulates germinal center B cell positioning and cholesterol biosynthesis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 3654-3670	15.9	9
27	A Brain-Targeted Orally Available ROCK2 Inhibitor Benefits Mild and Aggressive Cavernous Angioma Disease. <i>Translational Stroke Research</i> , 2020 , 11, 365-376	7.8	9
26	Two functional polymorphisms of ROCK2 enhance arterial stiffening through inhibiting its activity and expression. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 180-6	5.8	8
25	Emerging views of statin pleiotropy and cholesterol lowering. <i>Cardiovascular Research</i> , 2021 ,	9.9	8
24	MnTBAP stimulates angiogenic functions in endothelial cells through mitofusin-1. <i>Vascular Pharmacology</i> , 2015 , 72, 163-71	5.9	7
23	Regulator of G-Protein Signaling 5 Maintains Brain Endothelial Cell Function in Focal Cerebral Ischemia. <i>Journal of the American Heart Association</i> , 2020 , 9, e017533	6	7
22	Genetically elevated C-reactive protein and ischemic vascular disease. <i>Current Atherosclerosis Reports</i> , 2009 , 11, 245	6	6
21	Role of statin pleiotropism in acute coronary syndromes and stroke. <i>International Journal of Clinical Practice, Supplement</i> , 2003 , 51-7		6
20	Association of Rising Violent Crime With Blood Pressure and Cardiovascular Risk: Longitudinal Evidence From Chicago, 2014-2016. <i>American Journal of Hypertension</i> , 2019 , 32, 1192-1198	2.3	5
19	Exogenous nitric oxide inhibits Rho-associated kinase activity in patients with angina pectoris: a randomized controlled trial. <i>Hypertension Research</i> , 2015 , 38, 485-90	4.7	5
18	Increase in Blood-Brain Barrier (BBB) Permeability Is Regulated by MMP3 via the ERK Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 6655122	6.7	5
17	MnTBAP increases BMPR-II expression in endothelial cells and attenuates vascular inflammation. <i>Vascular Pharmacology</i> , 2016 , 84, 67-73	5.9	5
16	Evidence of pleiotropy by statins: leukocyte Rho kinase (ROCK) activity and pretreated statin before percutaneous coronary interventions are clinical vascular outcome predictors. <i>International Journal of Cardiology</i> , 2014 , 176, 250-3	3.2	4
15	Eplerenone improves endothelial function and arterial stiffness and inhibits Rho-associated kinase activity in patients with idiopathic hyperaldosteronism: a pilot study. <i>Journal of Hypertension</i> , 2019 , 37, 1083-1095	1.9	4

14	Does it matter whether or not a lipid-lowering agent inhibits Rho kinase?. <i>Current Atherosclerosis Reports</i> , 2007 , 9, 384-8	6	3
13	Rho Kinase regulates neutrophil NET formation that is involved in UVB-induced skin inflammation.. <i>Theranostics</i> , 2022 , 12, 2133-2149	12.1	2
12	Response to Letters Regarding Article, Evidence for Statin Pleiotropy in Humans: Differential Effects of Statins and Ezetimibe on Rho-Associated Coiled-Coil Containing Protein Kinase Activity, Endothelial Function, and Inflammation <i>Circulation</i> , 2009 , 120,	16.7	1
11	Vascular Stiffening Mediated by Rho-Associated Coiled-Coil Containing Kinase Isoforms. <i>Journal of the American Heart Association</i> , 2021 , 10, e022568	6	1
10	Community Health Workers Reduce Rehospitalizations and Emergency Department Visits for Low-Socioeconomic Urban Patients With Heart Failure. <i>Critical Pathways in Cardiology</i> , 2020 , 19, 139-145 ^{1,3}		1
9	SALAD-BAAR: A numerical risk score for hospital admission or emergency department presentation in ambulatory patients with cardiovascular disease. <i>Clinical Cardiology</i> , 2021 , 44, 193-199	3.3	1
8	ABL Tyrosine Kinase Inhibitors (TKIs) Are Associated with Increased Rho-Associated Kinase (ROCK) Activity That May Contribute to Vascular Toxicity in Patients with Chronic Myeloid Leukemia (CML). <i>Blood</i> , 2018 , 132, 1739-1739	2.2	0
7	Is statin discontinuation an option in patients who have had a stroke?. <i>Nature Clinical Practice Neurology</i> , 2008 , 4, 18-9		
6	Statins1668-1673		
5	Steroid Hormones1674-1681		
4	Interventional Transcatheter Closure Ameliorates the Leukocyte Rho Kinase Activities among Patients with Patent Ductus Arteriosus. <i>Acta Cardiologica Sinica</i> , 2015 , 31, 494-9	1.1	
3	Acute augmentation of cerebral blood flow by rho-kinase inhibitors in focal cerebral ischemia is dependent on endothelial nitric oxide synthase. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S3-S3	7.3	
2	RhoA/Rho-Associated Kinase as Marker of Cardiovascular Health 2015 , 1-31		
1	RhoA/Rho-Associated Kinase as Marker of Cardiovascular Health 2016 , 739-769		