Lilach O Lerman

List of Publications by Year
in descending order

521 papers	30,125 citations	8732 75 h-index	7931 149 g-index
528 all docs	528 docs citations	528 times ranked	36384 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Endothelial Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 168-175.	1.1	1,939
3	Senolytics decrease senescent cells in humans: Preliminary report from a clinical trial of Dasatinib plus Quercetin in individuals with diabetic kidney disease. EBioMedicine, 2019, 47, 446-456.	2.7	697
4	Assessment of endothelial function by non-invasive peripheral arterial tonometry predicts late cardiovascular adverse events. European Heart Journal, 2010, 31, 1142-1148.	1.0	605
5	Prognostic Value of Flowâ€Mediated Vasodilation in Brachial Artery and Fingertip Artery for Cardiovascular Events: A Systematic Review and Metaâ€Analysis. Journal of the American Heart Association, 2015, 4, .	1.6	391
6	Prevalence of Coronary Microvascular Dysfunction Among Patients With ChestÂPain and Nonobstructive CoronaryÂArtery Disease. JACC: Cardiovascular Interventions, 2015, 8, 1445-1453.	1.1	356
7	Digital Health Interventions for the Prevention of Cardiovascular Disease: A Systematic Review and Meta-analysis. Mayo Clinic Proceedings, 2015, 90, 469-480.	1.4	293
8	The Substantial Loss of Nephrons in Healthy Human Kidneys with Aging. Journal of the American Society of Nephrology: JASN, 2017, 28, 313-320.	3.0	272
9	Endothelial dysfunction over the course of coronary artery disease. European Heart Journal, 2013, 34, 3175-3181.	1.0	251
10	Increased Oxidative Stress in Experimental Renovascular Hypertension. Hypertension, 2001, 37, 541-546.	1.3	247
11	Mesenchymal stem cellâ€"derived extracellular vesicles attenuate kidney inflammation. Kidney International, 2017, 92, 114-124.	2.6	247
12	Single-Nephron Glomerular Filtration Rate in Healthy Adults. New England Journal of Medicine, 2017, 376, 2349-2357.	13.9	247
13	Distinct Renal Injury in Early Atherosclerosis and Renovascular Disease. Circulation, 2002, 106, 1165-1171.	1.6	235
14	MicroRNA and mRNA cargo of extracellular vesicles from porcine adipose tissue-derived mesenchymal stem cells. Gene, 2014, 551, 55-64.	1.0	233
15	Simvastatin Preserves the Structure of Coronary Adventitial Vasa Vasorum in Experimental Hypercholesterolemia Independent of Lipid Lowering. Circulation, 2002, 105, 415-418.	1.6	224
16	Local Production of Lipoprotein-Associated Phospholipase A 2 and Lysophosphatidylcholine in the Coronary Circulation. Circulation, 2007, 115, 2715-2721.	1.6	221
17	Adipose Tissueâ€Derived Mesenchymal Stem Cells Improve Revascularization Outcomes to Restore Renal Function in Swine Atherosclerotic Renal Artery Stenosis. Stem Cells, 2012, 30, 1030-1041.	1.4	215
18	Endothelial Progenitor Cells Restore Renal Function in Chronic Experimental Renovascular Disease. Circulation, 2009, 119, 547-557.	1.6	209

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19	Animal Models of Hypertension: A Scientific Statement From the American Heart Association. Hypertension, 2019, 73, e87-e120.	1.3	177
20	Early experimental obesity is associated with coronary endothelial dysfunction and oxidative stress. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H904-H911.	1.5	170
21	Renovascular Hypertension and Ischemic Nephropathy. American Journal of Hypertension, 2010, 23, 1159-1169.	1.0	162
22	The Use of Magnetic Resonance to Evaluate Tissue Oxygenation in Renal Artery Stenosis. Journal of the American Society of Nephrology: JASN, 2008, 19, 780-788.	3.0	159
23	Enhanced Expression of Lp-PLA ₂ and Lysophosphatidylcholine in Symptomatic Carotid Atherosclerotic Plaques. Stroke, 2008, 39, 1448-1455.	1.0	156
24	Simvastatin Preserves Coronary Endothelial Function in Hypercholesterolemia in the Absence of Lipid Lowering. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 122-128.	1.1	151
25	Noninvasive Evaluation of a Novel Swine Model of Renal Artery Stenosis. Journal of the American Society of Nephrology: JASN, 1999, 10, 1455-1465.	3.0	151
26	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress. Cardiovascular Research, 2010, 88, 360-366.	1.8	148
27	Mesenchymal stem cell-derived extracellular vesicles for kidney repair: current status and looming challenges. Stem Cell Research and Therapy, 2017, 8, 273.	2.4	148
28	Animal models of hypertension: An overview. Translational Research, 2005, 146, 160-173.	2.4	147
29	Mechanisms of Renal Structural Alterations in Combined Hypercholesterolemia and Renal Artery Stenosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1295-1301.	1.1	145
30	Cortical Microvascular Remodeling in the Stenotic Kidney. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1854-1859.	1.1	141
31	Noninvasive measurement of concurrent single-kidney perfusion, glomerular filtration, and tubular function. American Journal of Physiology - Renal Physiology, 2001, 281, F630-F638.	1.3	140
32	Kidney in Early Atherosclerosis. Hypertension, 2005, 45, 1042-1049.	1.3	140
33	Preserved Oxygenation Despite Reduced Blood Flow in Poststenotic Kidneys in Human Atherosclerotic Renal Artery Stenosis. Hypertension, 2010, 55, 961-966.	1.3	137
34	Endothelial Function and Vascular Response to Mental Stress Are Impaired in Patients With Apical Ballooning Syndrome. Journal of the American College of Cardiology, 2010, 56, 1840-1846.	1.2	137
35	Long-Term Administration of Endothelin Receptor Antagonist Improves Coronary Endothelial Function in Patients With Early Atherosclerosis. Circulation, 2010, 122, 958-966.	1.6	133
36	Mesenchymal Stem Cells and Endothelial Progenitor Cells Decrease Renal Injury in Experimental Swine Renal Artery Stenosis Through Different Mechanisms. Stem Cells, 2013, 31, 117-125.	1.4	133

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37	Blood oxygen levelâ€"dependent measurement of acute intra-renal ischemia. Kidney International, 2004, 65, 944-950.	2.6	131
38	Age, kidney function, and risk factors associate differently with cortical and medullary volumes of the kidney. Kidney International, 2014, 85, 677-685.	2.6	131
39	Oxidative stress in obstructive sleep apnoea. European Heart Journal, 2005, 26, 2435-2439.	1.0	126
40	The Interaction Between Coronary Endothelial Dysfunction, Local Oxidative Stress, and Endogenous Nitric Oxide in Humans. Hypertension, 2008, 51, 127-133.	1.3	126
41	Digital health intervention during cardiac rehabilitation: A randomized controlled trial. American Heart Journal, 2017, 188, 65-72.	1.2	123
42	Antioxidant Intervention Attenuates Myocardial Neovascularization in Hypercholesterolemia. Circulation, 2004, 109, 2109-2115.	1.6	121
43	Autologous Mesenchymal Stem Cells Increase Cortical Perfusion in Renovascular Disease. Journal of the American Society of Nephrology: JASN, 2017, 28, 2777-2785.	3.0	121
44	Noninvasive In Vivo Assessment of Renal Tissue Elasticity During Graded Renal Ischemia Using MR Elastography. Investigative Radiology, 2011, 46, 509-514.	3.5	119
45	Smoking Is Associated With Epicardial Coronary Endothelial Dysfunction and Elevated White Blood Cell Count in Patients With Chest Pain and Early Coronary Artery Disease. Circulation, 2007, 115, 2621-2627.	1.6	118
46	Simvastatin promotes angiogenesis and prevents microvascular remodeling in chronic renal ischemia. FASEB Journal, 2006, 20, 1706-1708.	0.2	116
47	Antioxidant Intervention Blunts Renal Injury in Experimental Renovascular Disease. Journal of the American Society of Nephrology: JASN, 2004, 15, 958-966.	3.0	114
48	A Mitochondrial Permeability Transition Pore Inhibitor Improves Renal Outcomes After Revascularization in Experimental Atherosclerotic Renal Artery Stenosis. Hypertension, 2012, 60, 1242-1249.	1.3	113
49	Comparative proteomic analysis of extracellular vesicles isolated from porcine adipose tissue-derived mesenchymal stem/stromal cells. Scientific Reports, 2016, 6, 36120.	1.6	112
50	Dysregulation of the Ubiquitin-Proteasome System in Human Carotid Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2132-2139.	1.1	110
51	Effects of statins on coronary and peripheral endothelial function in humans: a systematic review and meta-analysis of randomized controlled trials. European Journal of Cardiovascular Prevention and Rehabilitation, 2011, 18, 704-716.	3.1	110
52	Assessment of Renal Hemodynamics and Function in Pigs with 64-Section Multidetector CT: Comparison with Electron-Beam CT. Radiology, 2007, 243, 405-412.	3.6	109
53	Endothelial Progenitor Cells Homing and Renal Repair in Experimental Renovascular Disease. Stem Cells, 2010, 28, 1039-1047.	1.4	109
54	Antiphospholipid Syndrome. Journal of the American College of Cardiology, 2017, 69, 2317-2330.	1.2	109

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55	Local Low Shear Stress and EndothelialÂDysfunction in Patients With NonobstructiveÂCoronaryÂAtherosclerosis. Journal of the American College of Cardiology, 2018, 71, 2092-2102.	1.2	106
56	Lipoprotein-Associated Phospholipase A2Is an Independent Marker for Coronary Endothelial Dysfunction in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 106-111.	1.1	104
57	Mechanisms of Tissue Injury in Renal Artery Stenosis: Ischemia and Beyond. Progress in Cardiovascular Diseases, 2009, 52, 196-203.	1.6	102
58	Mitochondrial protection restores renal function in swine atherosclerotic renovascular disease. Cardiovascular Research, 2014, 103, 461-472.	1.8	101
59	Transition From Obesity to Metabolic Syndrome Is Associated With Altered Myocardial Autophagy and Apoptosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1132-1141.	1.1	95
60	Mesenchymal Stem Cells Improve Medullary Inflammation and Fibrosis after Revascularization of Swine Atherosclerotic Renal Artery Stenosis. PLoS ONE, 2013, 8, e67474.	1.1	95
61	The metabolic syndrome and chronic kidney disease. Translational Research, 2017, 183, 14-25.	2.2	95
62	Humanin preserves endothelial function and prevents atherosclerotic plaque progression in hypercholesterolemic ApoE deficient mice. Atherosclerosis, 2011, 219, 65-73.	0.4	92
63	Blood Oxygen Levelâ€"Dependent Magnetic Resonance Imaging Identifies Cortical Hypoxia in Severe Renovascular Disease. Hypertension, 2011, 58, 1066-1072.	1.3	91
64	Computed tomography-derived intrarenal blood flow in renovascular and essential hypertension. Kidney International, 1996, 49, 846-854.	2.6	88
65	Increased glomerular filtration rate in early metabolic syndrome is associated with renal adiposity and microvascular proliferation. American Journal of Physiology - Renal Physiology, 2011, 301, F1078-F1087.	1.3	88
66	Inflammatory and injury signals released from the post-stenotic human kidney. European Heart Journal, 2013, 34, 540-548.	1.0	88
67	Renal blood oxygenation level-dependent magnetic resonance imaging to measure renal tissue oxygenation: a statement paper and systematic review. Nephrology Dialysis Transplantation, 2018, 33, ii22-ii28.	0.4	88
68	Mesenchymal Stem Cell-derived Extracellular Vesicles for Renal Repair. Current Gene Therapy, 2017, 17, 29-42.	0.9	87
69	Determinations of Renal Cortical and Medullary Oxygenation Using Blood Oxygen Level-Dependent Magnetic Resonance Imaging and Selective Diuretics. Investigative Radiology, 2011, 46, 41-47.	3.5	84
70	New magnetic resonance imaging methods in nephrology. Kidney International, 2014, 85, 768-778.	2.6	84
71	Coronary endothelial dysfunction in patients with early coronary artery disease is associated with the increase in intravascular lipid core plaqueâ€. European Heart Journal, 2013, 34, 2047-2054.	1.0	80
72	Challenges and opportunities for stem cell therapy in patients with chronic kidney disease. Kidney International, 2016, 89, 767-778.	2.6	79

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73	Human Obesity Induces Dysfunction and Early Senescence in Adipose Tissue-Derived Mesenchymal Stromal/Stem Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 197.	1.8	79
74	Hypercholesterolemia impairs myocardial perfusion and permeability: role of oxidative stress and endogenous scavenging activity. Journal of the American College of Cardiology, 2001, 37, 608-615.	1.2	78
75	Lack of Correlation Between Noninvasive Stress Tests and Invasive Coronary Vasomotor Dysfunction in Patients With Nonobstructive Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2009, 2, 237-244.	1.4	78
76	Comparison of 1.5 and 3 T BOLD MR to Study Oxygenation of Kidney Cortex and Medulla in Human Renovascular Disease. Investigative Radiology, 2009, 44, 566-572.	3.5	78
77	Coronary Endothelial Dysfunction Is Associated With Inflammation and Vasa Vasorum Proliferation in Patients With Early Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2473-2477.	1.1	78
78	Detection and Clinical Patterns of Nephron Hypertrophy and Nephrosclerosis Among Apparently Healthy Adults. American Journal of Kidney Diseases, 2016, 68, 58-67.	2.1	78
79	Increased renal cellular senescence in murine high-fat diet: effect of the senolytic drug quercetin. Translational Research, 2019, 213, 112-123.	2.2	78
80	Persistent kidney dysfunction in swine renal artery stenosis correlates with outer cortical microvascular remodeling. American Journal of Physiology - Renal Physiology, 2011, 300, F1394-F1401.	1.3	77
81	Phase 2a Clinical Trial of Mitochondrial Protection (Elamipretide) During Stent Revascularization in Patients With Atherosclerotic Renal Artery Stenosis. Circulation: Cardiovascular Interventions, 2017, 10, .	1.4	77
82	Segmental Heterogeneity of Vasa Vasorum Neovascularization in Human Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2010, 3, 32-40.	2.3	76
83	Stent Revascularization Restores Cortical Blood Flow and Reverses Tissue Hypoxia in Atherosclerotic Renal Artery Stenosis but Fails to Reverse Inflammatory Pathways or Glomerular Filtration Rate. Circulation: Cardiovascular Interventions, 2013, 6, 428-435.	1.4	76
84	Digital Health Intervention as an Adjunct to Cardiac Rehabilitation Reduces Cardiovascular Risk Factors and Rehospitalizations. Journal of Cardiovascular Translational Research, 2015, 8, 283-292.	1.1	76
85	Uric Acid Is Associated With Inflammation, Coronary Microvascular Dysfunction, and Adverse Outcomes in Postmenopausal Women. Hypertension, 2017, 69, 236-242.	1.3	76
86	Integrated transcriptomic and proteomic analysis of the molecular cargo of extracellular vesicles derived from porcine adipose tissue-derived mesenchymal stem cells. PLoS ONE, 2017, 12, e0174303.	1.1	76
87	Comparison of acute and chronic antioxidant interventions in experimental renovascular disease. American Journal of Physiology - Renal Physiology, 2004, 286, F1079-F1086.	1.3	75
88	Mesenchymal Stem Cell-Derived Extracellular Vesicles Improve the Renal Microvasculature in Metabolic Renovascular Disease in Swine. Cell Transplantation, 2018, 27, 1080-1095.	1.2	75
89	Compartmental Analysis of Renal BOLD MRI Data. Investigative Radiology, 2012, 47, 175-182.	3.5	73
90	Kidney-resident macrophages promote a proangiogenic environment in the normal and chronically ischemic mouse kidney. Scientific Reports, 2018, 8, 13948.	1.6	73

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91	Mesenchymal stem cell treatment for chronic renal failure. Stem Cell Research and Therapy, 2014, 5, 83.	2.4	72
92	Percutaneous Pericardial Resection. Circulation: Heart Failure, 2017, 10, e003612.	1.6	72
93	Hypercholesterolemia and Hypertension Have Synergistic Deleterious Effects on Coronary Endothelial Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 885-891.	1.1	71
94	Osteocalcin positive CD133+/CD34-/KDR+ progenitor cells as an independent marker for unstable atherosclerosis. European Heart Journal, 2012, 33, 2963-2969.	1.0	71
95	Antioxidant Intervention Prevents Renal Neovascularization in Hypercholesterolemic Pigs. Journal of the American Society of Nephrology: JASN, 2004, 15, 1816-1825.	3.0	70
96	Coronary artery disease is associated with an altered gut microbiome composition. PLoS ONE, 2020, 15, e0227147.	1.1	70
97	Coronary endothelial dysfunction in humans is associated with coronary retention of osteogenic endothelial progenitor cells. European Heart Journal, 2010, 31, 2909-2914.	1.0	69
98	Urinary Mitochondrial DNA Copy Number Identifies Chronic Renal Injury in Hypertensive Patients. Hypertension, 2016, 68, 401-410.	1.3	69
99	Renal Relevant Radiology. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 395-405.	2.2	68
100	Consensus-based technical recommendations for clinical translation of renal BOLD MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 199-215.	1.1	68
101	Involvement of Oxidation-Sensitive Mechanisms in the Cardiovascular Effects of Hypercholesterolemia. Mayo Clinic Proceedings, 2001, 76, 619-631.	1.4	67
102	Beneficial Effects of Antioxidant Vitamins on the Stenotic Kidney. Hypertension, 2003, 42, 605-612.	1.3	67
103	Primary proteasome inhibition results in cardiac dysfunction. European Journal of Heart Failure, 2013, 15, 614-623.	2.9	67
104	The Emerging Role of Mitochondrial Targeting in Kidney Disease. Handbook of Experimental Pharmacology, 2016, 240, 229-250.	0.9	67
105	Noninvasive Assessment of Renal Fibrosis with Magnetization Transfer MR Imaging: Validation and Evaluation in Murine Renal Artery Stenosis. Radiology, 2017, 283, 77-86.	3.6	67
106	Chronic antioxidant supplementation attenuates nuclear factor-Î ºB activation and preserves endothelial function in hypercholesterolemic pigs. Cardiovascular Research, 2002, 53, 1010-1018.	1.8	66
107	Adipose tissue remodeling in a novel domestic porcine model of diet-induced obesity. Obesity, 2015, 23, 399-407.	1.5	66
108	Functional assessment of the kidney from magnetic resonance and computed tomography renography: Impulse retention approach to a multicompartment model. Magnetic Resonance in Medicine, 2008, 59, 278-288.	1.9	65

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109	Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia. Circulation, 2000, 102, 2028-2030.	1.6	64
110	Pathophysiology of ischemic nephropathy. Urologic Clinics of North America, 2001, 28, 793-803.	0.8	64
111	Oxidation-Sensitive Transcription Factors and Molecular Mechanisms in the Arterial Wall. Antioxidants and Redox Signaling, 2001, 3, 1119-1130.	2.5	64
112	Enhanced renal cortical vascularization in experimental hypercholesterolemia. Kidney International, 2002, 61, 1056-1063.	2.6	64
113	Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia. Hypertension, 2005, 46, 772-779.	1.3	64
114	The chemokine monocyte chemoattractant protein-1 contributes to renal dysfunction in swine renovascular hypertension. Journal of Hypertension, 2009, 27, 2063-2073.	0.3	64
115	Role of Circulating Osteogenic Progenitor Cells in Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2012, 60, 1945-1953.	1.2	64
116	Magnetic Resonance Elastography Noninvasively Detects In Vivo Renal Medullary Fibrosis Secondary to Swine Renal Artery Stenosis. Investigative Radiology, 2013, 48, 61-68.	3.5	64
117	Changes in Glomerular Filtration Rate After Renal Revascularization Correlate With Microvascular Hemodynamics and Inflammation in Swine Renal Artery Stenosis. Circulation: Cardiovascular Interventions, 2012, 5, 720-728.	1.4	63
118	Long-term endothelin receptor antagonism attenuates coronary plaque progression in patients with early atherosclerosis. International Journal of Cardiology, 2013, 168, 1316-1321.	0.8	63
119	Paradigm Shifts in Atherosclerotic Renovascular Disease. Journal of the American Society of Nephrology: JASN, 2015, 26, 2074-2080.	3.0	63
120	Natural history and predictors of mortality of patients with Takotsubo syndrome. International Journal of Cardiology, 2018, 267, 22-27.	0.8	62
121	Differential Effect of Experimental Hypertension and Hypercholesterolemia on Adventitial Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 447-453.	1.1	61
122	Simvastatin Prevents Coronary Microvascular Remodeling in Renovascular Hypertensive Pigs. Journal of the American Society of Nephrology: JASN, 2007, 18, 1209-1217.	3.0	61
123	Renovascular hypertension: screening and modern management. European Heart Journal, 2011, 32, 1590-1598.	1.0	61
124	Mitochondrial injury and dysfunction in hypertension-induced cardiac damage. European Heart Journal, 2014, 35, 3258-3266.	1.0	61
125	TGF Expression and Macrophage Accumulation in Atherosclerotic Renal Artery Stenosis. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 546-553.	2.2	60
126	Valsartan Regulates Myocardial Autophagy and Mitochondrial Turnover in Experimental Hypertension. Hypertension, 2014, 64, 87-93.	1.3	60

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127	Minimally Invasive Evaluation of Coronary Microvascular Function by Electron Beam Computed Tomography. Circulation, 2000, 102, 2411-2416.	1.6	59
128	Simvastatin preserves myocardial perfusion and coronary microvascular permeability in experimental hypercholesterolemia independent of lipid lowering. Journal of the American College of Cardiology, 2002, 40, 546-554.	1.2	59
129	Simvastatin abates development of renal fibrosis in experimental renovascular disease. Journal of Hypertension, 2008, 26, 1651-1660.	0.3	59
130	Human Renovascular Disease: Estimating Fractional Tissue Hypoxia to Analyze Blood Oxygen Levelâ€“dependent MR. Radiology, 2013, 268, 770-778.	3.6	59
131	Temporal analysis of signaling pathways activated in a murine model of two-kidney, one-clip hypertension. American Journal of Physiology - Renal Physiology, 2009, 297, F1055-F1068.	1.3	58
132	Concise review: Mesenchymal stem cell treatment for ischemic kidney disease. Stem Cells, 2013, 31, 1731-1736.	1.4	58
133	Downregulation of circulating MOTS-c levels in patients with coronary endothelial dysfunction. International Journal of Cardiology, 2018, 254, 23-27.	0.8	58
134	Disparate effects of simvastatin on angiogenesis during hypoxia and inflammation. Life Sciences, 2008, 83, 801-809.	2.0	56
135	Mitochondria. Hypertension, 2015, 65, 264-270.	1.3	56
136	Renal scattered tubular-like cells confer protective effects in the stenotic murine kidney mediated by release of extracellular vesicles. Scientific Reports, 2018, 8, 1263.	1.6	56
137	Noninvasive assessment of renal fibrosis by magnetic resonance imaging and ultrasound techniques. Translational Research, 2019, 209, 105-120.	2.2	56
138	Coronary Endothelial Function Is Preserved With Chronic Endothelin Receptor Antagonism in Experimental Hypercholesterolemia In Vitro. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2769-2775.	1.1	55
139	Chronic renovascular hypertension is associated with elevated levels of neutrophil gelatinase-associated lipocalin. Nephrology Dialysis Transplantation, 2012, 27, 4153-4161.	0.4	55
140	Placenta growth factor expression in human atherosclerotic carotid plaques is related to plaque destabilization. Atherosclerosis, 2008, 196, 333-340.	0.4	54
141	Quantitation of the In Vivo Kidney Volume with Cine Computed Tomography. Investigative Radiology, 1990, 25, 1206-1211.	3.5	53
142	Restoration of Mitochondrial Cardiolipin Attenuates Cardiac Damage in Swine Renovascular Hypertension. Journal of the American Heart Association, 2016, 5, .	1.6	53
143	Combination of Hypercholesterolemia and Hypertension Augments Renal Function Abnormalities. Hypertension, 2001, 37, 774-780.	1.3	52
144	Oxidative stressâ€related increase in ubiquitination in early coronary atherogenesis. FASEB Journal, 2003, 17, 1730-1732.	0.2	52

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145	Perirenal Fat Promotes Renal Arterial Endothelial Dysfunction in Obese Swine through Tumor Necrosis Factor-Î±. Journal of Urology, 2016, 195, 1152-1159.	0.2	52
146	Concurrent Treatment With Renin-Angiotensin System Blockers and Acetylsalicylic Acid Reduces Nuclear Factor Î°B Activation and C-Reactive Protein Expression in Human Carotid Artery Plaques. Stroke, 2005, 36, 14-20.	1.0	51
147	Revascularization of swine renal artery stenosis improves renal function but not the changes in vascular structure. Kidney International, 2010, 78, 1110-1118.	2.6	51
148	Humanin prevents intra-renal microvascular remodeling and inflammation in hypercholesterolemic ApoE deficient mice. Life Sciences, 2012, 91, 199-206.	2.0	51
149	Physical training and metabolic supplementation reduce spontaneous atherosclerotic plaque rupture and prolong survival in hypercholesterolemic mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10479-10484.	3.3	50
150	Expression of lipoprotein-associated phospholipase A2 in carotid artery plaques predicts long-term cardiac outcome. European Heart Journal, 2009, 30, 2930-2938.	1.0	50
151	Genetic deficiency of Smad3 protects the kidneys from atrophy and interstitial fibrosis in 2K1C hypertension. American Journal of Physiology - Renal Physiology, 2012, 302, F1455-F1464.	1.3	50
152	Measurement of renal tissue oxygenation with blood oxygen level-dependent MRI and oxygen transit modeling. American Journal of Physiology - Renal Physiology, 2014, 306, F579-F587.	1.3	50
153	Renal vein cytokine release as an index of renal parenchymal inflammation in chronic experimental renal artery stenosis. Nephrology Dialysis Transplantation, 2014, 29, 274-282.	0.4	50
154	Treating Coronary Disease and the Impact of Endothelial Dysfunction. Progress in Cardiovascular Diseases, 2015, 57, 431-442.	1.6	50
155	Lipid-lowering-independent effects of simvastatin on the kidney in experimental hypercholesterolaemia. Nephrology Dialysis Transplantation, 2003, 18, 703-709.	0.4	49
156	Sex differences in vascular and endothelial responses to acute mental stress. Clinical Autonomic Research, 2008, 18, 339-345.	1.4	49
157	Increased hypoxia and reduced renal tubular response to furosemide detected by BOLD magnetic resonance imaging in swine renovascular hypertension. American Journal of Physiology - Renal Physiology, 2009, 297, F981-F986.	1.3	49
158	Targeting senescence improves angiogenic potential of adipose-derived mesenchymal stem cells in patients with preeclampsia. Biology of Sex Differences, 2019, 10, 49.	1.8	49
159	Functional and structural remodeling of the myocardial microvasculature in early experimental hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H978-H984.	1.5	48
160	Functional Plasticity of Adipose-Derived Stromal Cells During Development of Obesity. Stem Cells Translational Medicine, 2016, 5, 893-900.	1.6	48
161	Coronary microvascular dysfunction is associated with exertional haemodynamic abnormalities in patients with heart failure with preserved ejection fraction. European Journal of Heart Failure, 2021, 23, 765-772.	2.9	48
162	Angiogenesis in the kidney: a new therapeutic target?. Current Opinion in Nephrology and Hypertension, 2009, 18, 160-165.	1.0	47

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163	Regional decreases in renal oxygenation during graded acute renal arterial stenosis: a case for renal ischemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R67-R71.	0.9	47
164	Inhibition of p38 MAPK attenuates renal atrophy and fibrosis in a murine renal artery stenosis model. American Journal of Physiology - Renal Physiology, 2013, 304, F938-F947.	1.3	47
165	Clinical outcomes of patients with hypothyroidism undergoing percutaneous coronary intervention. European Heart Journal, 2016, 37, 2055-2065.	1.0	47
166	Voice Signal Characteristics Are Independently Associated With Coronary Artery Disease. Mayo Clinic Proceedings, 2018, 93, 840-847.	1.4	47
167	Reproducibility of Human Kidney Perfusion and Volume Determinations with Electron Beam Computed Tomography. Investigative Radiology, 1996, 31, 204-210.	3.5	47
168	Renal Vascular Function in Hypercholesterolemia Is Preserved by Chronic Antioxidant Supplementation. Journal of the American Society of Nephrology: JASN, 2001, 12, 1882-1891.	3.0	47
169	In Vivo Renal Vascular and Tubular Function in Experimental Hypercholesterolemia. Hypertension, 1999, 34, 859-864.	1.3	46
170	Comparison of Mathematic Models for Assessment of Glomerular Filtration Rate with Electron-Beam CT in Pigs. Radiology, 2007, 242, 417-424.	3.6	46
171	Endothelial Outgrowth Cells Shift Macrophage Phenotype and Improve Kidney Viability in Swine Renal Artery Stenosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1006-1013.	1.1	46
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