Lilach O Lerman

List of Publications by Citations

489 papers	23,294 citations	68 h-index	133 g-index
528 ext. papers	27,007 ext. citations	6.5 avg, IF	6.94 L-index

#	Paper	IF	Citations
489	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
488	Endothelial dysfunction: a marker of atherosclerotic risk. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 168-75	9.4	1635
487	Assessment of endothelial function by non-invasive peripheral arterial tonometry predicts late cardiovascular adverse events. *European Heart Journal*, **2010**, 31, 1142-8	9.5	524
486	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	8.8	356
485	Prognostic Value of Flow-Mediated Vasodilation in Brachial Artery and Fingertip Artery for Cardiovascular Events: A Systematic Review and Meta-Analysis. *Journal of the American Heart Association*, **2015**, 4,	6	268
484	Increased oxidative stress in experimental renovascular hypertension. *Hypertension*, **2001**, 37, 541-6	8.5	230
483	Prevalence of Coronary Microvascular Dysfunction Among Patients With Chest Pain and Nonobstructive Coronary Artery Disease. *JACC: Cardiovascular Interventions*, **2015**, 8, 1445-1453	5	229
482	Simvastatin preserves the structure of coronary adventitial vasa vasorum in experimental hypercholesterolemia independent of lipid lowering. *Circulation*, **2002**, 105, 415-8	16.7	205
481	Distinct renal injury in early atherosclerosis and renovascular disease. *Circulation*, **2002**, 106, 1165-71	16.7	204
480	MicroRNA and mRNA cargo of extracellular vesicles from porcine adipose tissue-derived mesenchymal stem cells. *Gene*, **2014**, 551, 55-64	3.8	193
479	Endothelial dysfunction over the course of coronary artery disease. *European Heart Journal*, **2013**, 34, 3175-81	9.5	193
478	Digital health interventions for the prevention of cardiovascular disease: a systematic review and meta-analysis. *Mayo Clinic Proceedings*, **2015**, 90, 469-80	6.4	186
477	Local production of lipoprotein-associated phospholipase A2 and lysophosphatidylcholine in the coronary circulation: association with early coronary atherosclerosis and endothelial dysfunction in humans. *Circulation*, **2007**, 115, 2715-21	16.7	186
476	Endothelial progenitor cells restore renal function in chronic experimental renovascular disease. *Circulation*, **2009**, 119, 547-57	16.7	178
475	Adipose tissue-derived mesenchymal stem cells improve revascularization outcomes to restore renal function in swine atherosclerotic renal artery stenosis. *Stem Cells*, **2012**, 30, 1030-41	5.8	175
474	Mesenchymal stem cell-derived extracellular vesicles attenuate kidney inflammation. *Kidney International*, **2017**, 92, 114-124	9.9	174
473	The Substantial Loss of Nephrons in Healthy Human Kidneys with Aging. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 313-320	12.7	165

472	Single-Nephron Glomerular Filtration Rate in Healthy Adults. *New England Journal of Medicine*, **2017**, 376, 2349-2357	59.2	153
471	Early experimental obesity is associated with coronary endothelial dysfunction and oxidative stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H904-11	5.2	151
470	Simvastatin preserves coronary endothelial function in hypercholesterolemia in the absence of lipid lowering. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 122-8	9.4	140
469	The use of magnetic resonance to evaluate tissue oxygenation in renal artery stenosis. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 780-8	12.7	135
468	Mechanisms of renal structural alterations in combined hypercholesterolemia and renal artery stenosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1295-301	9.4	135
467	Renovascular hypertension and ischemic nephropathy. *American Journal of Hypertension*, **2010**, 23, 1159-69	2.9	132
466	Cortical microvascular remodeling in the stenotic kidney: role of increased oxidative stress. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 1854-9	9.4	132
465	Enhanced expression of Lp-PLA2 and lysophosphatidylcholine in symptomatic carotid atherosclerotic plaques. *Stroke*, **2008**, 39, 1448-55	6.7	131
464	Noninvasive measurement of concurrent single-kidney perfusion, glomerular filtration, and tubular function. *American Journal of Physiology - Renal Physiology*, **2001**, 281, F630-8	4.3	131
463	Noninvasive evaluation of a novel swine model of renal artery stenosis. *Journal of the American Society of Nephrology: JASN*, **1999**, 10, 1455-65	12.7	131
462	Animal models of hypertension: an overview. *Translational Research*, **2005**, 146, 160-73		124
461	Kidney in early atherosclerosis. *Hypertension*, **2005**, 45, 1042-9	8.5	120
460	Blood oxygen level-dependent measurement of acute intra-renal ischemia. *Kidney International*, **2004**, 65, 944-50	9.9	119
459	Preserved oxygenation despite reduced blood flow in poststenotic kidneys in human atherosclerotic renal artery stenosis. *Hypertension*, **2010**, 55, 961-6	8.5	117
458	Oxidative stress in obstructive sleep apnoea. *European Heart Journal*, **2005**, 26, 2435-9	9.5	115
457	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress. *Cardiovascular Research*, **2010**, 88, 360-6	9.9	112
456	Mesenchymal stem cells and endothelial progenitor cells decrease renal injury in experimental swine renal artery stenosis through different mechanisms. *Stem Cells*, **2013**, 31, 117-25	5.8	111
455	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, 1840-6	15.1	109

454	The interaction between coronary endothelial dysfunction, local oxidative stress, and endogenous nitric oxide in humans. *Hypertension*, **2008**, 51, 127-33	8.5	107
453	Antioxidant intervention attenuates myocardial neovascularization in hypercholesterolemia. *Circulation*, **2004**, 109, 2109-15	16.7	107
452	Long-term administration of endothelin receptor antagonist improves coronary endothelial function in patients with early atherosclerosis. *Circulation*, **2010**, 122, 958-66	16.7	106
451	Noninvasive In vivo assessment of renal tissue elasticity during graded renal ischemia using MR elastography. *Investigative Radiology*, **2011**, 46, 509-14	10.1	105
450	Simvastatin promotes angiogenesis and prevents microvascular remodeling in chronic renal ischemia. *FASEB Journal*, **2006**, 20, 1706-8	0.9	105
449	Antioxidant intervention blunts renal injury in experimental renovascular disease. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 958-66	12.7	103
448	Mesenchymal stem cell-derived extracellular vesicles for kidney repair: current status and looming challenges. *Stem Cell Research and Therapy*, **2017**, 8, 273	8.3	102
447	Assessment of renal hemodynamics and function in pigs with 64-section multidetector CT: comparison with electron-beam CT. *Radiology*, **2007**, 243, 405-12	20.5	102
446	Animal Models of Hypertension: A Scientific Statement From the American Heart Association. *Hypertension*, **2019**, 73, e87-e120	8.5	101
445	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, 2621-7	16.7	101
444	A mitochondrial permeability transition pore inhibitor improves renal outcomes after revascularization in experimental atherosclerotic renal artery stenosis. *Hypertension*, **2012**, 60, 1242-9	8.5	99
443	Age, kidney function, and risk factors associate differently with cortical and medullary volumes of the kidney. *Kidney International*, **2014**, 85, 677-85	9.9	96
442	Endothelial progenitor cells homing and renal repair in experimental renovascular disease. *Stem Cells*, **2010**, 28, 1039-47	5.8	95
441	Lipoprotein-associated phospholipase A2 is an independent marker for coronary endothelial dysfunction in humans. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 106-11	9.4	93
440	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, 704-16		92
439	Autologous Mesenchymal Stem Cells Increase Cortical Perfusion in Renovascular Disease. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2777-2785	12.7	91
438	Comparative proteomic analysis of extracellular vesicles isolated from porcine adipose tissue-derived mesenchymal stem/stromal cells. *Scientific Reports*, **2016**, 6, 36120	4.9	91
437	Mechanisms of tissue injury in renal artery stenosis: ischemia and beyond. *Progress in Cardiovascular Diseases*, **2009**, 52, 196-203	8.5	89

436	Dysregulation of the ubiquitin-proteasome system in human carotid atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2132-9	9.4	89
435	Mitochondrial protection restores renal function in swine atherosclerotic renovascular disease. *Cardiovascular Research*, **2014**, 103, 461-72	9.9	84
434	Mesenchymal stem cells improve medullary inflammation and fibrosis after revascularization of swine atherosclerotic renal artery stenosis. *PLoS ONE*, **2013**, 8, e67474	3.7	82
433	Humanin preserves endothelial function and prevents atherosclerotic plaque progression in hypercholesterolemic ApoE deficient mice. *Atherosclerosis*, **2011**, 219, 65-73	3.1	81
432	Blood oxygen level-dependent magnetic resonance imaging identifies cortical hypoxia in severe renovascular disease. *Hypertension*, **2011**, 58, 1066-72	8.5	81
431	Transition from obesity to metabolic syndrome is associated with altered myocardial autophagy and apoptosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 1132-41	9.4	79
430	Computed tomography-derived intrarenal blood flow in renovascular and essential hypertension. *Kidney International*, **1996**, 49, 846-54	9.9	79
429	Inflammatory and injury signals released from the post-stenotic human kidney. *European Heart Journal*, **2013**, 34, 540-548a	9.5	76
428	Determinations of renal cortical and medullary oxygenation using blood oxygen level-dependent magnetic resonance imaging and selective diuretics. *Investigative Radiology*, **2011**, 46, 41-7	10.1	75
427	Hypercholesterolemia impairs myocardial perfusion and permeability: role of oxidative stress and endogenous scavenging activity. *Journal of the American College of Cardiology*, **2001**, 37, 608-15	15.1	75
426	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, 566-71	10.1	73
425	Antiphospholipid Syndrome: Role of Vascular Endothelial Cells and Implications for Risk Stratification and Targeted Therapeutics. *Journal of the American College of Cardiology*, **2017**, 69, 2317-2330	15.1	72
424	New magnetic resonance imaging methods in nephrology. *Kidney International*, **2014**, 85, 768-78	9.9	71
423	Mesenchymal Stem Cell-derived Extracellular Vesicles for Renal Repair. *Current Gene Therapy*, **2017**, 17, 29-42	4.3	69
422	Increased glomerular filtration rate in early metabolic syndrome is associated with renal adiposity and microvascular proliferation. *American Journal of Physiology - Renal Physiology*, **2011**, 301, F1078-87	4.3	69
421	Persistent kidney dysfunction in swine renal artery stenosis correlates with outer cortical microvascular remodeling. *American Journal of Physiology - Renal Physiology*, **2011**, 300, F1394-401	4.3	68
420	Comparison of acute and chronic antioxidant interventions in experimental renovascular disease. *American Journal of Physiology - Renal Physiology*, **2004**, 286, F1079-86	4.3	68
419	Challenges and opportunities for stem cell therapy in patients with chronic kidney disease. *Kidney International*, **2016**, 89, 767-78	9.9	67

418	Antioxidant intervention prevents renal neovascularization in hypercholesterolemic pigs. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 1816-25	12.7	66
417	Compartmental analysis of renal BOLD MRI data: introduction and validation. *Investigative Radiology*, **2012**, 47, 175-82	10.1	65
416	Involvement of Oxidation-Sensitive Mechanisms in the Cardiovascular Effects of Hypercholesterolemia. *Mayo Clinic Proceedings*, **2001**, 76, 619-631	6.4	64
415	Digital health intervention during cardiac rehabilitation: A randomized controlled trial. *American Heart Journal*, **2017**, 188, 65-72	4.9	63
414	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	3.7	63
413	Local Low Shear Stress and Endothelial Dysfunction in Patients With Nonobstructive Coronary Atherosclerosis. *Journal of the American College of Cardiology*, **2018**, 71, 2092-2102	15.1	62
412	Segmental heterogeneity of vasa vasorum neovascularization in human coronary atherosclerosis. *JACC: Cardiovascular Imaging*, **2010**, 3, 32-40	8.4	61
411	Hypercholesterolemia and hypertension have synergistic deleterious effects on coronary endothelial function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 885-91	9.4	61
410	Coronary endothelial dysfunction is associated with inflammation and vasa vasorum proliferation in patients with early atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2473-7	9.4	60
409	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, 428-35	6	60
408	Osteocalcin positive CD133+/CD34-/KDR+ progenitor cells as an independent marker for unstable atherosclerosis. *European Heart Journal*, **2012**, 33, 2963-9	9.5	60
407	Enhanced renal cortical vascularization in experimental hypercholesterolemia. *Kidney International*, **2002**, 61, 1056-63	9.9	60
406	Chronic antioxidant supplementation attenuates nuclear factor-kappa B activation and preserves endothelial function in hypercholesterolemic pigs. *Cardiovascular Research*, **2002**, 53, 1010-8	9.9	60
405	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	4.3	59
404	Role of circulating osteogenic progenitor cells in calcific aortic stenosis. *Journal of the American College of Cardiology*, **2012**, 60, 1945-53	15.1	59
403	Coronary endothelial dysfunction in patients with early coronary artery disease is associated with the increase in intravascular lipid core plaque. *European Heart Journal*, **2013**, 34, 2047-54	9.5	59
402	Beneficial effects of antioxidant vitamins on the stenotic kidney. *Hypertension*, **2003**, 42, 605-12	8.5	59
401	Oxidation-sensitive transcription factors and molecular mechanisms in the arterial wall. *Antioxidants and Redox Signaling*, **2001**, 3, 1119-30	8.4	59

400	Adipose tissue remodeling in a novel domestic porcine model of diet-induced obesity. *Obesity*, **2015**, 23, 399-407	8	58
399	Coronary endothelial dysfunction in humans is associated with coronary retention of osteogenic endothelial progenitor cells. *European Heart Journal*, **2010**, 31, 2909-14	9.5	58
398	Pathways of renal fibrosis and modulation of matrix turnover in experimental hypercholesterolemia. *Hypertension*, **2005**, 46, 772-9	8.5	58
397	Magnetic resonance elastography noninvasively detects in vivo renal medullary fibrosis secondary to swine renal artery stenosis. *Investigative Radiology*, **2013**, 48, 61-8	10.1	57
396	Changes in glomerular filtration rate after renal revascularization correlate with microvascular hemodynamics and inflammation in Swine renal artery stenosis. *Circulation: Cardiovascular Interventions*, **2012**, 5, 720-8	6	57
395	The chemokine monocyte chemoattractant protein-1 contributes to renal dysfunction in swine renovascular hypertension. *Journal of Hypertension*, **2009**, 27, 2063-73	1.9	57
394	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, 278-88	4.4	57
393	Differential effect of experimental hypertension and hypercholesterolemia on adventitial remodeling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 447-53	9.4	57
392	Simvastatin prevents coronary microvascular remodeling in renovascular hypertensive pigs. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 1209-17	12.7	56
391	Simvastatin preserves myocardial perfusion and coronary microvascular permeability in experimental hypercholesterolemia independent of lipid lowering. *Journal of the American College of Cardiology*, **2002**, 40, 546-54	15.1	56
390	Altered myocardial microvascular 3D architecture in experimental hypercholesterolemia. *Circulation*, **2000**, 102, 2028-30	16.7	56
389	Percutaneous Pericardial Resection: A Novel Potential Treatment for Heart Failure With Preserved Ejection Fraction. *Circulation: Heart Failure*, **2017**, 10, e003612	7.6	55
388	Uric Acid Is Associated With Inflammation, Coronary Microvascular Dysfunction, and Adverse Outcomes in Postmenopausal Women. *Hypertension*, **2017**, 69, 236-242	8.5	54
387	Phase 2a Clinical Trial of Mitochondrial Protection (Elamipretide) During Stent Revascularization in Patients With Atherosclerotic Renal Artery Stenosis. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	54
386	Human renovascular disease: estimating fractional tissue hypoxia to analyze blood oxygen level-dependent MR. *Radiology*, **2013**, 268, 770-8	20.5	54
385	Primary proteasome inhibition results in cardiac dysfunction. *European Journal of Heart Failure*, **2013**, 15, 614-23	12.3	54
384	Lack of correlation between noninvasive stress tests and invasive coronary vasomotor dysfunction in patients with nonobstructive coronary artery disease. *Circulation: Cardiovascular Interventions*, **2009**, 2, 237-44	6	54
383	Mesenchymal Stem Cell-Derived Extracellular Vesicles Improve the Renal Microvasculature in Metabolic Renovascular Disease in Swine. *Cell Transplantation*, **2018**, 27, 1080-1095	4	54

382	Mesenchymal stem cell treatment for chronic renal failure. *Stem Cell Research and Therapy*, **2014**, 5, 83	8.3	53
381	Concise review: mesenchymal stem cell treatment for ischemic kidney disease. *Stem Cells*, **2013**, 31, 1731-6	5.6	52
380	Minimally invasive evaluation of coronary microvascular function by electron beam computed tomography. *Circulation*, **2000**, 102, 2411-6	16.7	52
379	Temporal analysis of signaling pathways activated in a murine model of two-kidney, one-clip hypertension. *American Journal of Physiology - Renal Physiology*, **2009**, 297, F1055-68	4.3	51
378	Pathophysiology of ischemic nephropathy. *Urologic Clinics of North America*, **2001**, 28, 793-803, ix	2.9	51
377	Urinary Mitochondrial DNA Copy Number Identifies Chronic Renal Injury in Hypertensive Patients. *Hypertension*, **2016**, 68, 401-10	8.5	50
376	Long-term endothelin receptor antagonism attenuates coronary plaque progression in patients with early atherosclerosis. *International Journal of Cardiology*, **2013**, 168, 1316-21	3.2	50
375	Digital Health Intervention as an Adjunct to Cardiac Rehabilitation Reduces Cardiovascular Risk Factors and Rehospitalizations. *Journal of Cardiovascular Translational Research*, **2015**, 8, 283-92	3.3	50
374	Renal relevant radiology: renal functional magnetic resonance imaging. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 395-405	6.9	50
373	TGF expression and macrophage accumulation in atherosclerotic renal artery stenosis. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 546-53	6.9	50
372	Chronic renovascular hypertension is associated with elevated levels of neutrophil gelatinase-associated lipocalin. *Nephrology Dialysis Transplantation*, **2012**, 27, 4153-61	4.3	50
371	Coronary endothelial function is preserved with chronic endothelin receptor antagonism in experimental hypercholesterolemia in vitro. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 2769-75	9.4	50
370	Detection and Clinical Patterns of Nephron Hypertrophy and Nephrosclerosis Among Apparently Healthy Adults. *American Journal of Kidney Diseases*, **2016**, 68, 58-67	7.4	49
369	Renovascular hypertension: screening and modern management. *European Heart Journal*, **2011**, 32, 1590-8	9.3	49
368	Simvastatin abates development of renal fibrosis in experimental renovascular disease. *Journal of Hypertension*, **2008**, 26, 1651-60	1.9	49
367	The metabolic syndrome and chronic kidney disease. *Translational Research*, **2017**, 183, 14-25	11	48
366	Paradigm Shifts in Atherosclerotic Renovascular Disease: Where Are We Now?. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 2074-80	12.7	48
365	Mitochondria: a pathogenic paradigm in hypertensive renal disease. *Hypertension*, **2015**, 65, 264-70	8.5	48

364	The Emerging Role of Mitochondrial Targeting in Kidney Disease. *Handbook of Experimental Pharmacology*, **2017**, 240, 229-250	3.2	48
363	Increased renal cellular senescence in murine high-fat diet: effect of the senolytic drug quercetin. *Translational Research*, **2019**, 213, 112-123	11	48
362	Humanin prevents intra-renal microvascular remodeling and inflammation in hypercholesterolemic ApoE deficient mice. *Life Sciences*, **2012**, 91, 199-206	6.8	48
361	Oxidative stress-related increase in ubiquitination in early coronary atherogenesis. *FASEB Journal*, **2003**, 17, 1730-2	0.9	48
360	Quantitation of the in vivo kidney volume with cine computed tomography. *Investigative Radiology*, **1990**, 25, 1206-11	10.1	48
359	Disparate effects of simvastatin on angiogenesis during hypoxia and inflammation. *Life Sciences*, **2008**, 83, 801-9	6.8	47
358	Placenta growth factor expression in human atherosclerotic carotid plaques is related to plaque destabilization. *Atherosclerosis*, **2008**, 196, 333-340	3.1	47
357	Noninvasive Assessment of Renal Fibrosis with Magnetization Transfer MR Imaging: Validation and Evaluation in Murine Renal Artery Stenosis. *Radiology*, **2017**, 283, 77-86	20.5	46
356	Genetic deficiency of Smad3 protects the kidneys from atrophy and interstitial fibrosis in 2K1C hypertension. *American Journal of Physiology - Renal Physiology*, **2012**, 302, F1455-64	4.3	46
355	Valsartan regulates myocardial autophagy and mitochondrial turnover in experimental hypertension. *Hypertension*, **2014**, 64, 87-93	8.5	45
354	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, F981-6	4.3	45
353	Comparison of mathematic models for assessment of glomerular filtration rate with electron-beam CT in pigs. *Radiology*, **2007**, 242, 417-24	20.5	45
352	Combination of hypercholesterolemia and hypertension augments renal function abnormalities. *Hypertension*, **2001**, 37, 774-80	8.5	45
351	Endothelial outgrowth cells shift macrophage phenotype and improve kidney viability in swine renal artery stenosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 1006-13	9.4	44
350	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	11.5	44
349	Kidney-resident macrophages promote a proangiogenic environment in the normal and chronically ischemic mouse kidney. *Scientific Reports*, **2018**, 8, 13948	4.9	44
348	Functional and structural remodeling of the myocardial microvasculature in early experimental hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 290, H978-84	5.2	43
347	Lipid-lowering-independent effects of simvastatin on the kidney in experimental hypercholesterolaemia. *Nephrology Dialysis Transplantation*, **2003**, 18, 703-9	4.3	43

346	Treating coronary disease and the impact of endothelial dysfunction. *Progress in Cardiovascular Diseases*, **2015**, 57, 431-42	8.5	42
345	Restoration of Mitochondrial Cardiolipin Attenuates Cardiac Damage in Swine Renovascular Hypertension. *Journal of the American Heart Association*, **2016**, 5,	6	42
344	Mitochondrial targeted peptides attenuate residual myocardial damage after reversal of experimental renovascular hypertension. *Journal of Hypertension*, **2014**, 32, 154-65	1.9	42
343	Mitochondrial injury and dysfunction in hypertension-induced cardiac damage. *European Heart Journal*, **2014**, 35, 3258-66	9.5	42
342	Inhibition of p38 MAPK attenuates renal atrophy and fibrosis in a murine renal artery stenosis model. *American Journal of Physiology - Renal Physiology*, **2013**, 304, F938-47	4.3	42
341	Concurrent treatment with renin-angiotensin system blockers and acetylsalicylic acid reduces nuclear factor kappaB activation and C-reactive protein expression in human carotid artery plaques. *Stroke*, **2005**, 36, 14-20	6.7	42
340	In vivo renal vascular and tubular function in experimental hypercholesterolemia. *Hypertension*, **1999**, 34, 859-64	8.5	42
339	Reproducibility of human kidney perfusion and volume determinations with electron beam computed tomography. *Investigative Radiology*, **1996**, 31, 204-10	10.1	42
338	Angiogenesis in the kidney: a new therapeutic target?. *Current Opinion in Nephrology and Hypertension*, **2009**, 18, 160-5	3.5	41
337	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, R67-71	3.2	41
336	Sex differences in vascular and endothelial responses to acute mental stress. *Clinical Autonomic Research*, **2008**, 18, 339-45	4.3	40
335	Natural history and predictors of mortality of patients with Takotsubo syndrome. *International Journal of Cardiology*, **2018**, 267, 22-27	3.2	40
334	Renal scattered tubular-like cells confer protective effects in the stenotic murine kidney mediated by release of extracellular vesicles. *Scientific Reports*, **2018**, 8, 1263	4.9	39
333	Renal vein cytokine release as an index of renal parenchymal inflammation in chronic experimental renal artery stenosis. *Nephrology Dialysis Transplantation*, **2014**, 29, 274-82	4.3	39
332	Blood oxygen level-dependent (BOLD) MRI in renovascular hypertension. *Current Hypertension Reports*, **2011**, 13, 370-7	4.7	39
331	Revascularization of swine renal artery stenosis improves renal function but not the changes in vascular structure. *Kidney International*, **2010**, 78, 1110-8	9.9	39
330	Expression of lipoprotein-associated phospholipase A(2) in carotid artery plaques predicts long-term cardiac outcome. *European Heart Journal*, **2009**, 30, 2930-8	9.5	39
329	Role of oxidative stress in remodeling of the myocardial microcirculation in hypertension. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1746-52	9.4	39

328	Effects of proteasome inhibition on the kidney in experimental hypercholesterolemia. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 1005-12	12.7	39
327	Humanin, a cytoprotective peptide, is expressed in carotid atherosclerotic [corrected] plaques in humans. *PLoS ONE*, **2012**, 7, e31065	3.7	39
326	Downregulation of circulating MOTS-c levels in patients with coronary endothelial dysfunction. *International Journal of Cardiology*, **2018**, 254, 23-27	3.2	38
325	The metabolic syndrome alters the miRNA signature of porcine adipose tissue-derived mesenchymal stem cells. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2018**, 93, 93-103	4.6	38
324	Measurement of renal tissue oxygenation with blood oxygen level-dependent MRI and oxygen transit modeling. *American Journal of Physiology - Renal Physiology*, **2014**, 306, F579-87	4.3	38
323	Obesity-metabolic derangement preserves hemodynamics but promotes intrarenal adiposity and macrophage infiltration in swine renovascular disease. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F265-76	4.3	38
322	Simvastatin decreases endothelial progenitor cell apoptosis in the kidney of hypertensive hypercholesterolemic pigs. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 976-83	9.4	38
321	Long-term antioxidant intervention improves myocardial microvascular function in experimental hypertension. *Hypertension*, **2004**, 43, 493-8	8.5	38
320	Endothelin-1 receptor blockade prevents renal injury in experimental hypercholesterolemia. *Kidney International*, **2003**, 64, 962-9	9.9	38
319	Involvement of oxidation-sensitive mechanisms in the cardiovascular effects of hypercholesterolemia. *Mayo Clinic Proceedings*, **2001**, 76, 619-31	6.4	38
318	Measurement of in vivo myocardial microcirculatory function with electron beam CT. *Journal of Computer Assisted Tomography*, **1999**, 23, 390-8	2.2	38
317	Novel functional risk factors for the prediction of cardiovascular events in vulnerable patients following acute coronary syndrome. *Circulation Journal*, **2012**, 76, 778-83	2.9	37
316	Functional Plasticity of Adipose-Derived Stromal Cells During Development of Obesity. *Stem Cells Translational Medicine*, **2016**, 5, 893-900	6.9	36
315	Endothelin-a receptor blockade improves renal microvascular architecture and function in experimental hypercholesterolemia. *Journal of the American Society of Nephrology: JASN*, **2006**, 17, 3394-403	12.7	36
314	Chronic antioxidant supplementation impairs coronary endothelial function and myocardial perfusion in normal pigs. *Hypertension*, **2006**, 47, 475-81	8.5	36
313	Human Obesity Induces Dysfunction and Early Senescence in Adipose Tissue-Derived Mesenchymal Stromal/Stem Cells. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 197	5.7	36
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