

# Niels Henrik Buus

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,788  
citations

361045

20  
h-index

288905

40  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Nitric Oxide Synthase and Adrenergic Inhibition on Adenosine-Induced Myocardial Hyperemia. <i>Circulation</i> , 2001, 104, 2305-2310.	1.6	182
2	Small artery structure is an independent predictor of cardiovascular events in essential hypertension. <i>Journal of Hypertension</i> , 2007, 25, 1021-1026.	0.3	168
3	In vitrosimultaneous measurements of relaxation and nitric oxide concentration in rat superior mesenteric artery. <i>Journal of Physiology</i> , 1999, 516, 271-282.	1.3	108
4	Renal denervation in treatment-resistant essential hypertension. A randomized, SHAM-controlled, double-blinded 24-h blood pressure-based trial. <i>Journal of Hypertension</i> , 2016, 34, 1639-1647.	0.3	101
5	Effects of Simvastatin on Bone Turnover and BMD: A 1-Year Randomized Controlled Trial in Postmenopausal Osteopenic Women. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 737-744.	3.1	95
6	Myocardial Perfusion During Long-Term Angiotensin-Converting Enzyme Inhibition or $\hat{I}^2$ -Blockade in Patients With Essential Hypertension. <i>Hypertension</i> , 2004, 44, 465-470.	1.3	91
7	Nitric oxide, prostanoid and non-NO, non-prostanoid involvement in acetylcholine relaxation of isolated human small arteries. <i>British Journal of Pharmacology</i> , 2000, 129, 184-192.	2.7	87
8	The effect of tempol on endothelium-dependent vasodilatation and blood pressure. , 2009, 122, 109-124.		68
9	Small artery structure during antihypertensive therapy is an independent predictor of cardiovascular events in essential hypertension. <i>Journal of Hypertension</i> , 2013, 31, 791-797.	0.3	68
10	Peripheral Flow Response to Transient Arterial Forearm Occlusion Does Not Reflect Myocardial Perfusion Reserve. <i>Circulation</i> , 2001, 103, 1109-1114.	1.6	67
11	Evaluation of Renal Blood Flow and Oxygenation in CKD Using Magnetic Resonance Imaging. <i>American Journal of Kidney Diseases</i> , 2015, 66, 402-411.	2.1	63
12	Small artery structure adapts to vasodilatation rather than to blood pressure during antihypertensive treatment. <i>Journal of Hypertension</i> , 2007, 25, 1027-1034.	0.3	55
13	Novel approaches to improving endothelium-dependent nitric oxide-mediated vasodilatation. <i>Pharmacological Reports</i> , 2009, 61, 105-115.	1.5	48
14	Reproducibility of MRI renal artery blood flow and BOLD measurements in patients with chronic kidney disease and healthy controls. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1091-1098.	1.9	44
15	Antiatherogenic effects of oleanolic acid in apolipoprotein E knockout mice. <i>European Journal of Pharmacology</i> , 2011, 670, 519-526.	1.7	39
16	Estimated aortic blood pressure based on radial artery tonometry underestimates directly measured aortic blood pressure in patients with advancing chronic kidney disease staging and increasing arterial stiffness. <i>Kidney International</i> , 2016, 90, 869-877.	2.6	39
17	Disproportionally impaired microvascular structure in essential hypertension. <i>Journal of Hypertension</i> , 2011, 29, 896-905.	0.3	36
18	Reduced vasodilator capacity in syndrome X related to structure and function of resistance arteries. <i>American Journal of Cardiology</i> , 1999, 83, 149-154.	0.7	30

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19	Measurement Adherence in the Blood Pressure Self-Measurement Room. <i>Telemedicine Journal and E-Health</i> , 2013, 19, 826-833.	1.6	24
20	Different modulation by Ca <sup>2+</sup> -activated K <sup>+</sup> channel blockers and herbimycin of acetylcholine- and flow-evoked vasodilatation in rat mesenteric small arteries. <i>British Journal of Pharmacology</i> , 2003, 138, 1562-1570.	2.7	23
21	Flow- and acetylcholine-induced dilatation in small arteries from rats with renovascular hypertension – effect of tempol treatment. <i>European Journal of Pharmacology</i> , 2007, 566, 160-166.	1.7	22
22	Bacteriology of the Buttonhole Cannulation Tract in Hemodialysis Patients: A Prospective Cohort Study. <i>American Journal of Kidney Diseases</i> , 2018, 72, 234-242.	2.1	20
23	Employment of patients with kidney failure treated with dialysis or kidney transplantation – a systematic review and meta-analysis. <i>BMC Nephrology</i> , 2021, 22, 348.	0.8	20
24	Large and small artery endothelial function in patients with essential hypertension – Effect of ACE inhibition and beta-blockade. <i>Blood Pressure</i> , 2007, 16, 106-113.	0.7	19
25	The cuffless SOMNOtouch NIBP device shows poor agreement with a validated oscillometric device during 24h ambulatory blood pressure monitoring. <i>Journal of Clinical Hypertension</i> , 2021, 23, 61-70.	1.0	17
26	Increase by lysophosphatidylcholines of smooth muscle Ca <sup>2+</sup> sensitivity in ß-toxin-permeabilized small mesenteric artery from the rat. <i>British Journal of Pharmacology</i> , 1996, 117, 1238-1244.	2.7	14
27	Changes in blood pressure and systemic vascular resistance do not predict microvascular structure during treatment of mild essential hypertension. <i>Journal of Hypertension</i> , 2012, 30, 794-801.	0.3	14
28	The effect of renal denervation on arterial stiffness, central blood pressure and heart rate variability in treatment resistant essential hypertension: a substudy of a randomized sham-controlled double-blinded trial (the ReSET trial). <i>Blood Pressure</i> , 2017, 26, 366-380.	0.7	14
29	An evaluation of the fixed-dose combination sacubitril/valsartan for the treatment of arterial hypertension. <i>Expert Opinion on Pharmacotherapy</i> , 2020, 21, 1133-1143.	0.9	14
30	Effects of Renal Denervation on Insulin Sensitivity and Inflammatory Markers in Nondiabetic Patients with Treatment-Resistant Hypertension. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-9.	1.0	13
31	Urine liver fatty acid binding protein and chronic kidney disease progression. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 549-554.	0.6	12
32	Transglutaminase 2 Inhibitor LDN 27219 Age-Dependently Lowers Blood Pressure and Improves Endothelium-Dependent Vasodilation in Resistance Arteries. <i>Hypertension</i> , 2021, 77, 216-227.	1.3	12
33	Renal Artery Stenting in Consecutive High-Risk Patients With Atherosclerotic Renovascular Disease: A Prospective –Center Cohort Study. <i>Journal of the American Heart Association</i> , 2022, 11, e024421.	1.6	12
34	Effect of Short- and Long-Term Heart Failure on Small Artery Morphology and Endothelial Function in the Rat. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 34-40.	0.8	11
35	Influence of Renal Transplantation and Living Kidney Donation on Large Artery Stiffness and Peripheral Vascular Resistance. <i>American Journal of Hypertension</i> , 2020, 33, 234-242.	1.0	10
36	Arterial stiffness and peripheral vascular resistance in offspring of hypertensive parents. <i>Journal of Hypertension</i> , 2018, 36, 815-823.	0.3	9

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37	Effects of additional vasodilatory or nonvasodilatory treatment on renal function, vascular resistance and oxygenation in chronic kidney disease. <i>Journal of Hypertension</i> , 2019, 37, 116-124.	0.3	9
38	Transglutaminase 2 as a novel target in chronic kidney disease – Methods, mechanisms and pharmacological inhibition. , 2021, 222, 107787.		9
39	Dissociation of Blood Pressure and Resistance Artery Structure: Potential Clinical Implications. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 73-79.	1.2	8
40	Hemodialysis Using High Cut Off Filters in Light Chain Cast Nephropathy. <i>Blood Purification</i> , 2015, 40, 223-231.	0.9	8
41	Severe Metformin Poisoning Successfully Treated with Simultaneous Venovenous Hemofiltration and Prolonged Intermittent Hemodialysis. <i>Case Reports in Critical Care</i> , 2018, 2018, 1-4.	0.2	8
42	Effects of renal denervation on coronary flow reserve and forearm dilation capacity in patients with treatment-resistant hypertension. A randomized, double-blinded, sham-controlled clinical trial. <i>International Journal of Cardiology</i> , 2018, 250, 29-34.	0.8	7
43	Impact of Type 2 Diabetes on Nitric Oxide and Adrenergic Modulation of Myocardial Perfusion. <i>Diabetes</i> , 2007, 56, 468-475.	0.3	6
44	Severe intravascular haemolysis and acute renal failure following intravenous administration of iron dextran. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 661-662.	0.4	5
45	Aortic Calcification Affects Noninvasive Estimates of Central Blood Pressure in Patients with Severe Chronic Kidney Disease. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 704-714.	0.9	5
46	The role of potassium in muscle membrane dysfunction in end-stage renal disease. <i>Clinical Neurophysiology</i> , 2021, 132, 3125-3135.	0.7	5
47	Intracellular smooth muscle [Ca <sup>2+</sup> ] in acetylcholine and nitric oxide-mediated relaxation of human small arteries. <i>European Journal of Pharmacology</i> , 2006, 535, 243-247.	1.7	4
48	Differential effects of age on large artery stiffness and minimal vascular resistance in normotensive and mildly hypertensive individuals. <i>Clinical Physiology and Functional Imaging</i> , 2015, 35, 359-367.	0.5	4
49	Renal resistance and long-term blood pressure in individuals genetically predisposed for essential hypertension. <i>Journal of Hypertension</i> , 2016, 34, 1170-1177.	0.3	4
50	Kidney structural characteristics based on a kidney biopsy and contrast-enhanced computed tomography in healthy living kidney donors. <i>Anatomical Record</i> , 2020, 303, 2693-2701.	0.8	4
51	Unattended automated office blood pressure in living donor kidney transplant recipients. <i>Blood Pressure</i> , 2021, 30, 386-394.	0.7	4
52	Editorial: Therapeutic Drug Monitoring in Solid Organ Transplantation. <i>Frontiers in Pharmacology</i> , 2021, 12, 815117.	1.6	4
53	The role of aliskiren in the management of hypertension and major cardiovascular outcomes: a systematic review and meta-analysis. <i>Journal of Human Hypertension</i> , 2019, 33, 795-806.	1.0	3
54	Comparison of self- and nurse-measured office blood pressure in patients with chronic kidney disease. <i>Blood Pressure Monitoring</i> , 2020, 25, 237-241.	0.4	3

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55	Effect of increased potassium intake on the renin-angiotensin-aldosterone system and subcutaneous resistance arteries: a randomized crossover study. <i>Nephrology Dialysis Transplantation</i> , 2020, , .	0.4	3
56	Changes in vascular function during breast cancer treatment. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4230-4240.	1.1	3
57	Effects of enhanced versus reduced vasodilating treatment on brachial and central blood pressure in patients with chronic kidney disease: a randomized controlled trial. <i>Journal of Hypertension</i> , 2021, 39, 2232-2240.	0.3	3
58	Effects of Corticosteroid Treatment on Mycophenolic Acid Exposure in Renal Transplant Patients-Results From the SAILOR Study. <i>Frontiers in Pharmacology</i> , 2021, 12, 742444.	1.6	2
59	Pharmacological Characterization of Coronary Small Arteries from Pigs with Chronic Ischaemic Myocardial Remodelling. <i>Clinical Science</i> , 1998, 94, 141-147.	1.8	1
60	Effect of Mechanical Brushing on Survival and Hemodynamic Characteristics of Tunneled Hemodialysis Catheters. <i>Journal of Vascular Access</i> , 2012, 13, 226-230.	0.5	1
61	Negative inotropic and hypotensive effects of the superoxide dismutase mimetic tempol in pigs. <i>European Journal of Pharmacology</i> , 2014, 731, 20-30.	1.7	1
62	The Authors Reply. <i>Kidney International</i> , 2017, 91, 254.	2.6	1
63	2.5 THE EFFECT OF RENAL DENERVATION ON CENTRAL BLOOD PRESSURE AND ARTERIAL STIFFNESS IN TREATMENT RESISTANT ESSENTIAL HYPERTENSION: A SUBSTUDY OF A RANDOMIZED SHAM-CONTROLLED DOUBLE-BLINDED TRIAL (THE RESET TRIAL). <i>Artery Research</i> , 2016, 16, 50.	0.3	0
64	11.7 AORTIC CALCIUM SCORE AFFECTS NON-INVASIVELY OBTAINED ESTIMATES OF CENTRAL BLOOD PRESSURE IN PATIENTS WITH ADVANCED CHRONIC KIDNEY DISEASE. <i>Artery Research</i> , 2016, 16, 76.	0.3	0
65	13.7 RENAL DENERVATION IN TREATMENT RESISTANT HYPERTENSION: EFFECTS ON CORONARY FLOW RESERVE AND FOREARM DILATION CAPACITY. A RANDOMIZED, DOUBLE-BLINDED, SHAM-CONTROLLED CLINICAL TRIAL. <i>Artery Research</i> , 2016, 16, 81.	0.3	0
66	P59 ARTERIAL STIFFNESS AND PERIPHERAL VASCULAR RESISTANCE IN OFFSPRING OF HYPERTENSIVE PARENTS - INFLUENCE OF GENDER AND OTHER CONFOUNDERS. <i>Artery Research</i> , 2017, 20, 70.	0.3	0
67	P1620 PROGNOSTIC VALUE OF RENAL BIOPSY QUANTITATIVE HISTOLOGY IN LIVING KIDNEY DONORS AND RECIPIENTS OF KIDNEYS FROM LIVING DONORS. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .	0.4	0
68	MO507: Prediction of CKD Progression and Cardiovascular Events Using Pulse Wave Velocity and Albuminuria. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, .	0.4	0