

Stephan Bakker

List of Publications by Citations

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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.

745
papers

29,950
citations

75
h-index

152
g-index

815
ext. papers

37,205
ext. citations

6.6
avg, IF

6.8
L-index

#	Paper	IF	Citations
745	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
744	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011 , 478, 103-9	50.4	1564
743	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
742	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
741	C-reactive protein, fibrinogen, and cardiovascular disease prediction. <i>New England Journal of Medicine</i> , 2012 , 367, 1310-20	59.2	750
740	The interleukin-6 receptor as a target for prevention of coronary heart disease: a mendelian randomisation analysis. <i>Lancet, The</i> , 2012 , 379, 1214-24	40	658
739	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012 , 44, 991-1005	36.3	621
738	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. <i>Nature Genetics</i> , 2013 , 45, 145-54	36.3	505
737	Angiotensin-converting enzyme 2 (ACE2), SARS-CoV-2 and the pathophysiology of coronavirus disease 2019 (COVID-19). <i>Journal of Pathology</i> , 2020 , 251, 228-248	9.4	473
736	Cohort Profile: LifeLines, a three-generation cohort study and biobank. <i>International Journal of Epidemiology</i> , 2015 , 44, 1172-80	7.8	364
735	Thyroid function is associated with components of the metabolic syndrome in euthyroid subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 491-6	5.6	339
734	Genome-wide association analysis identifies novel blood pressure loci and offers biological insights into cardiovascular risk. <i>Nature Genetics</i> , 2017 , 49, 403-415	36.3	313
733	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. <i>Nature Communications</i> , 2016 , 7, 10023	17.4	295
732	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , 2013 , 9, e1003500	6	277
731	Carnosine as a protective factor in diabetic nephropathy: association with a leucine repeat of the carnosinase gene CNDP1. <i>Diabetes</i> , 2005 , 54, 2320-7	0.9	221
730	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
729	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7119-24	11.5	218

728	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , 2019 , 51, 957-972	36.3	217
727	Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010 , 42, 373-5	36.3	205
726	Prediction models for risk of developing type 2 diabetes: systematic literature search and independent external validation study. <i>BMJ, The</i> , 2012 , 345, e5900	5.9	195
725	Advanced glycation end-products (AGEs) and heart failure: pathophysiology and clinical implications. <i>European Journal of Heart Failure</i> , 2007 , 9, 1146-55	12.3	188
724	Albuminuria assessed from first-morning-void urine samples versus 24-hour urine collections as a predictor of cardiovascular morbidity and mortality. <i>American Journal of Epidemiology</i> , 2008 , 168, 897-905	33.8	184
723	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016 , 7, 10495	17.4	180
722	First morning voids are more reliable than spot urine samples to assess microalbuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 436-43	12.7	172
721	CUBN is a gene locus for albuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 555-707	12.7	170
720	C-reactive protein is associated with renal function abnormalities in a non-diabetic population. <i>Kidney International</i> , 2003 , 63, 654-61	9.9	165
719	Diagnosis and Prediction of CKD Progression by Assessment of Urinary Peptides. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1999-2010	12.7	164
718	Glomerular and tubular damage markers are elevated in patients with diabetes. <i>Diabetes Care</i> , 2011 , 34, 975-81	14.6	162
717	Metabolic syndrome is associated with impaired long-term renal allograft function; not all component criteria contribute equally. <i>American Journal of Transplantation</i> , 2004 , 4, 1675-83	8.7	161
716	Moderation of dietary sodium potentiates the renal and cardiovascular protective effects of angiotensin receptor blockers. <i>Kidney International</i> , 2012 , 82, 330-7	9.9	159
715	Cytosolic triglycerides and oxidative stress in central obesity: the missing link between excessive atherosclerosis, endothelial dysfunction, and beta-cell failure?. <i>Atherosclerosis</i> , 2000 , 148, 17-21	3.1	156
714	Macroalbuminuria is a better risk marker than low estimated GFR to identify individuals at risk for accelerated GFR loss in population screening. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 2582-90	12.7	151
713	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , 2018 , 103, 691-706	11	151
712	Tubular kidney injury molecule-1 in protein-overload nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, F456-64	4.3	138
711	Glycated hemoglobin measurement and prediction of cardiovascular disease. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 1225-33	27.4	136

710	High urinary excretion of kidney injury molecule-1 is an independent predictor of graft loss in renal transplant recipients. <i>Transplantation</i> , 2007 , 84, 1625-30	1.8	134
709	Cardiovascular and renal outcome in subjects with K/DOQI stage 1-3 chronic kidney disease: the importance of urinary albumin excretion. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 3851-8	4.3	133
708	An elevated urinary albumin excretion predicts de novo development of renal function impairment in the general population. <i>Kidney International</i> , 2004 , S18-21	9.9	132
707	Urinary creatinine excretion, an indirect measure of muscle mass, is an independent predictor of cardiovascular disease and mortality in the general population. <i>Atherosclerosis</i> , 2009 , 207, 534-40	3.1	127
706	The relationship between thyrotropin and low density lipoprotein cholesterol is modified by insulin sensitivity in healthy euthyroid subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 1206-11	5.6	123
705	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. <i>Nature Genetics</i> , 2019 , 51, 1459-1474	36.3	122
704	Telomere length loss due to smoking and metabolic traits. <i>Journal of Internal Medicine</i> , 2014 , 275, 155-63	0.8	120
703	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015 , 523, 459-463	0.4	119
702	Heart Failure Stimulates Tumor Growth by Circulating Factors. <i>Circulation</i> , 2018 , 138, 678-691	16.7	117
701	Lipid-soluble components in cigarette smoke induce mitochondrial production of reactive oxygen species in lung epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 297, L109-14	5.8	114
700	Dietary protein and blood pressure: a systematic review. <i>PLoS ONE</i> , 2010 , 5, e12102	3.7	109
699	Screening for albuminuria identifies individuals at increased renal risk. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 852-62	12.7	109
698	Potassium homeostasis and management of dyskalemia in kidney diseases: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. <i>Kidney International</i> , 2020 , 97, 42-61	9.9	106
697	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105
696	Long-term cardiovascular mortality in patients with differentiated thyroid carcinoma: an observational study. <i>Journal of Clinical Oncology</i> , 2013 , 31, 4046-53	2.2	105
695	Multicentric validation of proteomic biomarkers in urine specific for diabetic nephropathy. <i>PLoS ONE</i> , 2010 , 5, e13421	3.7	104
694	The validity of screening based on spot morning urine samples to detect subjects with microalbuminuria in the general population. <i>Kidney International</i> , 2005 , S28-35	9.9	103
693	Cigarette smoke-induced blockade of the mitochondrial respiratory chain switches lung epithelial cell apoptosis into necrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 292, L1211-8	5.8	102

692	Physical inactivity: a risk factor and target for intervention in renal care. <i>Nature Reviews Nephrology</i> , 2017 , 13, 152-168	14.9	101
691	Urinary albumin excretion and its relation with C-reactive protein and the metabolic syndrome in the prediction of type 2 diabetes. <i>Diabetes Care</i> , 2005 , 28, 2525-30	14.6	101
690	Dietary acid load and risk of hypertension: the Rotterdam Study. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1438-44	7	97
689	Kidney injury molecule-1 in renal disease. <i>Journal of Pathology</i> , 2010 , 220, 7-16	9.4	96
688	Chromium treatment has no effect in patients with poorly controlled, insulin-treated type 2 diabetes in an obese Western population: a randomized, double-blind, placebo-controlled trial. <i>Diabetes Care</i> , 2006 , 29, 521-5	14.6	95
687	Multicentre prospective validation of a urinary peptidome-based classifier for the diagnosis of type 2 diabetic nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1563-70	4.3	94
686	Low physical activity and risk of cardiovascular and all-cause mortality in renal transplant recipients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011 , 6, 898-905	6.9	94
685	Calcification Propensity and Survival among Renal Transplant Recipients. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 239-48	12.7	92
684	N-terminal pro-B-type natriuretic peptide is an independent predictor of cardiovascular morbidity and mortality in the general population. <i>European Heart Journal</i> , 2010 , 31, 120-7	9.5	92
683	Urinary albumin excretion as a predictor of the development of hypertension in the general population. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 331-5	12.7	92
682	Secretory phospholipase A(2)-IIA and cardiovascular disease: a mendelian randomization study. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1966-1976	15.1	91
681	Gender differences in predictors of the decline of renal function in the general population. <i>Kidney International</i> , 2008 , 74, 505-12	9.9	87
680	Carnosine prevents apoptosis of glomerular cells and podocyte loss in STZ diabetic rats. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 279-88	3.9	86
679	Copeptin, a surrogate marker of vasopressin, is associated with microalbuminuria in a large population cohort. <i>Kidney International</i> , 2010 , 77, 29-36	9.9	85
678	Genome-wide association study of kidney function decline in individuals of European descent. <i>Kidney International</i> , 2015 , 87, 1017-29	9.9	83
677	Fibroblast growth factor 23 and cardiovascular mortality after kidney transplantation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2013 , 8, 1968-78	6.9	82
676	Plasma tryptophan, kynurenine and 3-hydroxykynurenine measurement using automated on-line solid-phase extraction HPLC-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 603-9	3.2	81
675	Replication of the five novel loci for uric acid concentrations and potential mediating mechanisms. <i>Human Molecular Genetics</i> , 2010 , 19, 387-95	5.6	79

674	Association of urinary biomarkers with disease severity in patients with autosomal dominant polycystic kidney disease: a cross-sectional analysis. <i>American Journal of Kidney Diseases</i> , 2010 , 56, 883-954	7.4	79
673	Urinary and plasma magnesium and risk of ischemic heart disease. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 1299-306	7	78
672	Circulating Plasma Omega-7 Monounsaturated Fatty Acids (Cis-Vaccenic Acid and Palmitoleic Acid) Are Related to All-Cause Mortality: The Lifelines Fatty Acids Cohort Study. <i>Current Developments in Nutrition</i> , 2021 , 5, 532-532	0.4	78
671	Short-term vitamin D3 supplementation lowers plasma renin activity in patients with stable chronic heart failure: an open-label, blinded end point, randomized prospective trial (VitD-CHF trial). <i>American Heart Journal</i> , 2013 , 166, 357-364.e2	4.9	77
670	Early detection of diabetic kidney disease by urinary proteomics and subsequent intervention with spironolactone to delay progression (PRIORITY): a prospective observational study and embedded randomised placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 301-312	18.1	75
669	Dietary acid load and metabolic acidosis in renal transplant recipients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012 , 7, 1811-8	6.9	74
668	C-reactive protein modifies the relationship between blood pressure and microalbuminuria. <i>Hypertension</i> , 2004 , 43, 791-6	8.5	74
667	Role of HDL cholesterol and estimates of HDL particle composition in future development of type 2 diabetes in the general population: the PREVEND study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1352-9	5.6	72
666	The effect of a shift in sodium intake on renal hemodynamics is determined by body mass index in healthy young men. <i>Kidney International</i> , 2007 , 71, 260-5	9.9	72
665	Circulating total bilirubin and risk of incident cardiovascular disease in the general population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 716-24	9.4	71
664	A double-blind, randomized, placebo-controlled clinical trial on benfotiamine treatment in patients with diabetic nephropathy. <i>Diabetes Care</i> , 2010 , 33, 1598-601	14.6	70
663	Bilirubin as a potential causal factor in type 2 diabetes risk: a Mendelian randomization study. <i>Diabetes</i> , 2015 , 64, 1459-69	0.9	68
662	Measures of chronic kidney disease and risk of incident peripheral artery disease: a collaborative meta-analysis of individual participant data. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 718-728	18.1	68
661	Chromium treatment has no effect in patients with type 2 diabetes in a Western population: a randomized, double-blind, placebo-controlled trial. <i>Diabetes Care</i> , 2007 , 30, 1092-6	14.6	68
660	Clinical and prognostic value of advanced glycation end-products in chronic heart failure. <i>European Heart Journal</i> , 2007 , 28, 2879-85	9.5	67
659	High-sensitive troponin T and N-terminal pro-B type natriuretic peptide are associated with cardiovascular events despite the cross-sectional association with albuminuria and glomerular filtration rate. <i>European Heart Journal</i> , 2012 , 33, 2272-81	9.5	66
658	Extended prognostic value of urinary albumin excretion for cardiovascular events. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 1785-91	12.7	66
657	Causal Effect of Plasminogen Activator Inhibitor Type 1 on Coronary Heart Disease. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	65

656	What to measure-albuminuria or total proteinuria?. <i>American Journal of Kidney Diseases</i> , 2011 , 57, 1-2	7.4	65
655	Copeptin, a surrogate marker of vasopressin, is associated with disease severity in autosomal dominant polycystic kidney disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011 , 6, 361-8	6.9	65
654	Association between sodium intake and change in uric acid, urine albumin excretion, and the risk of developing hypertension. <i>Circulation</i> , 2012 , 125, 3108-16	16.7	64
653	Impact of weight change on albuminuria in the general population. <i>Nephrology Dialysis Transplantation</i> , 2007 , 22, 1619-27	4.3	64
652	TMAO is Associated with Mortality: Impact of Modestly Impaired Renal Function. <i>Scientific Reports</i> , 2017 , 7, 13781	4.9	62
651	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , 2017 , 76, 619-627	2.9	62
650	Sex differences in the association between plasma copeptin and incident type 2 diabetes: the Prevention of Renal and Vascular Endstage Disease (PREVEND) study. <i>Diabetologia</i> , 2012 , 55, 1963-70	10.3	62
649	Albuminuria, proteinuria, and novel urine biomarkers as predictors of long-term allograft outcomes in kidney transplant recipients. <i>American Journal of Kidney Diseases</i> , 2011 , 57, 733-43	7.4	62
648	GlycA, a Pro-Inflammatory Glycoprotein Biomarker, and Incident Cardiovascular Disease: Relationship with C-Reactive Protein and Renal Function. <i>PLoS ONE</i> , 2015 , 10, e0139057	3.7	61
647	Alcohol consumption is inversely associated with the risk of developing chronic kidney disease. <i>Kidney International</i> , 2015 , 87, 1009-16	9.9	60
646	Sodium excretion and risk of developing coronary heart disease. <i>Circulation</i> , 2014 , 129, 1121-8	16.7	60
645	Urinary creatinine excretion reflecting muscle mass is a predictor of mortality and graft loss in renal transplant recipients. <i>Transplantation</i> , 2008 , 86, 391-8	1.8	60
644	GlycA, a marker of acute phase glycoproteins, and the risk of incident type 2 diabetes mellitus: PREVEND study. <i>Clinica Chimica Acta</i> , 2016 , 452, 10-7	6.2	60
643	Serum paraoxonase-1 activity and risk of incident cardiovascular disease: The PREVEND study and meta-analysis of prospective population studies. <i>Atherosclerosis</i> , 2016 , 245, 143-54	3.1	59
642	Urinary magnesium excretion and risk of hypertension: the prevention of renal and vascular end-stage disease study. <i>Hypertension</i> , 2013 , 61, 1161-7	8.5	59
641	Vitamin k intake and plasma desphospho-uncarboxylated matrix Gla-protein levels in kidney transplant recipients. <i>PLoS ONE</i> , 2012 , 7, e47991	3.7	59
640	High protein intake associates with cardiovascular events but not with loss of renal function. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1797-804	12.7	59
639	Copeptin, a surrogate marker for vasopressin, is associated with kidney function decline in subjects with autosomal dominant polycystic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 4131-43	7.3	59

638	HDL Cholesterol Efflux Predicts Graft Failure in Renal Transplant Recipients. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 595-603	12.7	58
637	Effects of erythropoietin on fibroblast growth factor 23 in mice and humans. <i>Nephrology Dialysis Transplantation</i> , 2019 , 34, 2057-2065	4.3	58
636	Copeptin, a surrogate marker of vasopressin, is associated with accelerated renal function decline in renal transplant recipients. <i>Transplantation</i> , 2009 , 88, 561-7	1.8	58
635	SCORE2 risk prediction algorithms: new models to estimate 10-year risk of cardiovascular disease in Europe. <i>European Heart Journal</i> , 2021 , 42, 2439-2454	9.5	58
634	Albuminuria, estimated GFR, traditional risk factors, and incident cardiovascular disease: the PREVEND (Prevention of Renal and Vascular Endstage Disease) study. <i>American Journal of Kidney Diseases</i> , 2012 , 60, 804-11	7.4	57
633	Urinary sulfur metabolites associate with a favorable cardiovascular risk profile and survival benefit in renal transplant recipients. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 1303-12	12.7	56
632	The role of diet and physical activity in post-transplant weight gain after renal transplantation. <i>Clinical Transplantation</i> , 2013 , 27, E484-90	3.8	56
631	Update on microalbuminuria as a biomarker in renal and cardiovascular disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2006 , 15, 631-6	3.5	56
630	Pleiotropic effects of lipid genes on plasma glucose, HbA1c, and HOMA-IR levels. <i>Diabetes</i> , 2014 , 63, 3149-58	0.9	54
629	Vitamin K status and mortality after kidney transplantation: a cohort study. <i>American Journal of Kidney Diseases</i> , 2015 , 65, 474-83	7.4	54
628	Sodium intake and blood pressure in renal transplant recipients. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 3352-9	4.3	54
627	Elevated levels of C-reactive protein independently predict accelerated deterioration of graft function in renal transplant recipients. <i>Nephrology Dialysis Transplantation</i> , 2007 , 22, 246-53	4.3	54
626	Which method for quantifying urinary albumin excretion gives what outcome? A comparison of immunonephelometry with HPLC. <i>Kidney International</i> , 2004 , S69-75	9.9	54
625	The effect of cholesteryl ester transfer protein -629C->A promoter polymorphism on high-density lipoprotein cholesterol is dependent on serum triglycerides. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 4198-204	5.6	54
624	Urinary potassium excretion and risk of developing hypertension: the prevention of renal and vascular end-stage disease study. <i>Hypertension</i> , 2014 , 64, 769-76	8.5	53
623	Short-term renal hemodynamic effects of tolvaptan in subjects with autosomal dominant polycystic kidney disease at various stages of chronic kidney disease. <i>Kidney International</i> , 2013 , 84, 1278-86	9.9	52
622	Clinical risk stratification optimizes value of biomarkers to predict new-onset heart failure in a community-based cohort. <i>Circulation: Heart Failure</i> , 2014 , 7, 723-31	7.6	51
621	Falsely low urinary albumin concentrations after prolonged frozen storage of urine samples. <i>Clinical Chemistry</i> , 2005 , 51, 2181-3	5.5	51

620	Insulin's acute effects on glomerular filtration rate correlate with insulin sensitivity whereas insulin's acute effects on proximal tubular sodium reabsorption correlation with salt sensitivity in normal subjects. <i>Nephrology Dialysis Transplantation</i> , 1999 , 14, 2357-63	4.3	50
619	Long-term magnesium supplementation improves arterial stiffness in overweight and obese adults: results of a randomized, double-blind, placebo-controlled intervention trial. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 1260-6	7	50
618	A novel NMR-based assay to measure circulating concentrations of branched-chain amino acids: Elevation in subjects with type 2 diabetes mellitus and association with carotid intima media thickness. <i>Clinical Biochemistry</i> , 2018 , 54, 92-99	3.5	48
617	Central body fat distribution associates with unfavorable renal hemodynamics independent of body mass index. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 987-94	12.7	48
616	Identification of tubular heparan sulfate as a docking platform for the alternative complement component properdin in proteinuric renal disease. <i>Journal of Biological Chemistry</i> , 2011 , 286, 5359-67	5.4	48
615	initial angiotensin receptor blockade-induced decrease in albuminuria is associated with long-term renal outcome in type 2 diabetic patients with microalbuminuria: a post hoc analysis of the IRMA-2 trial. <i>Diabetes Care</i> , 2011 , 34, 2078-83	14.6	48
614	Low dietary sodium and exogenous angiotensin II infusion decrease plasma adiponectin concentrations in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1821-6	5.6	48
613	A panel of novel biomarkers representing different disease pathways improves prediction of renal function decline in type 2 diabetes. <i>PLoS ONE</i> , 2015 , 10, e0120995	3.7	47
612	Plant-based diets to manage the risks and complications of chronic kidney disease. <i>Nature Reviews Nephrology</i> , 2020 , 16, 525-542	14.9	47
611	Associations of 25(OH) and 1,25(OH) ₂ vitamin D with long-term outcomes in stable renal transplant recipients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 81-9	5.6	47
610	N-terminal pro-B-type natriuretic peptide and mortality in renal transplant recipients versus the general population. <i>Transplantation</i> , 2009 , 87, 1562-70	1.8	47
609	Evaluation of measures of urinary albumin excretion. <i>American Journal of Epidemiology</i> , 2006 , 164, 725-73.8		47
608	Low potassium excretion but not high sodium excretion is associated with increased risk of developing chronic kidney disease. <i>Kidney International</i> , 2016 , 90, 888-96	9.9	46
607	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , 2016 , 7, 13357	17.4	46
606	Measurement of low-density lipoprotein particle size by high-performance gel-filtration chromatography. <i>Clinical Chemistry</i> , 1997 , 43, 1904-1912	5.5	46
605	Abdominal obesity and smoking are important determinants of C-reactive protein in renal transplant recipients. <i>Nephrology Dialysis Transplantation</i> , 2005 , 20, 2524-31	4.3	46
604	HDL (High-Density Lipoprotein) Cholesterol Efflux Capacity Is Associated With Incident Cardiovascular Disease in the General Population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1874-1883	9.4	45
603	Modular kinetic analysis of the adenine nucleotide translocator-mediated effects of palmitoyl-CoA on the oxidative phosphorylation in isolated rat liver mitochondria. <i>Diabetes</i> , 2005 , 54, 944-51	0.9	45

602	Fear of Movement and Low Self-Efficacy Are Important Barriers in Physical Activity after Renal Transplantation. <i>PLoS ONE</i> , 2016 , 11, e0147609	3.7	45
601	A pilot study into measurements of markers of atherosclerosis in periodontitis. <i>Journal of Periodontology</i> , 2005 , 76, 121-8	4.6	44
600	C-reactive protein and microalbuminuria differ in their associations with various domains of vascular disease. <i>Atherosclerosis</i> , 2004 , 172, 107-14	3.1	44
599	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
598	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , 2019 , 10, 4130	17.4	43
597	Bilirubin and progression of nephropathy in type 2 diabetes: a post hoc analysis of RENAAL with independent replication in IDNT. <i>Diabetes</i> , 2014 , 63, 2845-53	0.9	43
596	Copeptin, a surrogate marker for arginine vasopressin, is associated with cardiovascular and all-cause mortality in patients with type 2 diabetes (ZODIAC-31). <i>Diabetes Care</i> , 2013 , 36, 3201-7	14.6	43
595	Dietary protein, blood pressure and renal function in renal transplant recipients. <i>British Journal of Nutrition</i> , 2013 , 109, 1463-70	3.6	43
594	Blood urea nitrogen-to-creatinine ratio in the general population and in patients with acute heart failure. <i>Heart</i> , 2017 , 103, 407-413	5.1	42
593	Circulating gamma glutamyltransferase and prediction of cardiovascular disease. <i>Atherosclerosis</i> , 2015 , 238, 356-64	3.1	42
592	Pancreatic β -cell dysfunction and risk of new-onset diabetes after kidney transplantation. <i>Diabetes Care</i> , 2013 , 36, 1926-32	14.6	42
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430	α-microglobulin, cystatin C, and creatinine and risk of symptomatic peripheral artery disease. <i>Journal of the American Heart Association</i> , 2014 , 3,	6	16
429	Do albuminuria and hs-CRP add to the International Diabetes Federation definition of the metabolic syndrome in predicting outcome?. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 2275-83	4.3	16
428	Triiodothyronine: a link between the insulin resistance syndrome and blood pressure?. <i>Journal of Hypertension</i> , 1999 , 17, 1725-30	1.9	16
427	Predictors of progression in albuminuria in the general population: results from the PREVEND cohort. <i>PLoS ONE</i> , 2013 , 8, e61119	3.7	16
426	Mediterranean Style Diet and Kidney Function Loss in Kidney Transplant Recipients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020 , 15, 238-246	6.9	16
425	A systematic review and meta-analysis of COVID-19 in kidney transplant recipients: Lessons to be learned. <i>American Journal of Transplantation</i> , 2021 , 21, 3936-3945	8.7	16
424	Lipoprotein insulin resistance index, a high-throughput measure of insulin resistance, is associated with incident type II diabetes mellitus in the Prevention of Renal and Vascular End-Stage Disease study. <i>Journal of Clinical Lipidology</i> , 2019 , 13, 129-137.e1	4.9	16
423	Incident type 2 diabetes is associated with HDL, but not with its anti-oxidant constituent - paraoxonase-1: The prospective cohort PREVEND study. <i>Metabolism: Clinical and Experimental</i> , 2017 , 73, 43-51	12.7	15

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4 ²¹	Muscle mass determined from urinary creatinine excretion rate, and muscle performance in renal transplant recipients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 621-629	10.3	15
4 ²⁰	Serum free thiols predict cardiovascular events and all-cause mortality in the general population: a prospective cohort study. <i>BMC Medicine</i> , 2020 , 18, 130	11.4	15
4 ¹⁹	Serum Calcification Propensity and the Risk of Cardiovascular and All-Cause Mortality in the General Population: The PREVEND Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1942-1951	9.4	15
4 ¹⁸	GlycA, a novel proinflammatory glycoprotein biomarker, and high-sensitivity C-reactive protein are inversely associated with sodium intake after controlling for adiposity: the Prevention of Renal and Vascular End-Stage Disease study. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 415-22	7	15
4 ¹⁷	Netrin-1, a urinary proximal tubular injury marker, is elevated early in the time course of human diabetes. <i>Journal of Nephrology</i> , 2014 , 27, 151-7	4.8	15
4 ¹⁶	Circulating peroxiredoxin 4 and type 2 diabetes risk: the Prevention of Renal and Vascular Endstage Disease (PREVEND) study. <i>Diabetologia</i> , 2014 , 57, 1842-9	10.3	15
4 ¹⁵	Determinants and prognostic significance of an intra-dialysis rise of cardiac troponin I measured by sensitive assay in hemodialysis patients. <i>Clinical Research in Cardiology</i> , 2013 , 102, 439-45	6.1	15
4 ¹⁴	The Biobank of Nephrological Diseases in the Netherlands cohort: the String of Pearls Initiative collaboration on chronic kidney disease in the university medical centers in the Netherlands. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1145-50	4.3	15
4 ¹³	The association of albuminuria with tubular reabsorption of uric acid: results from a general population cohort. <i>Journal of the American Heart Association</i> , 2014 , 3, e000613	6	15
4 ¹²	Midregional fragment of proadrenomedullin, new-onset albuminuria, and cardiovascular and all-cause mortality in patients with type 2 diabetes (ZODIAC-30). <i>Diabetes Care</i> , 2014 , 37, 839-45	14.6	15
4 ¹¹	Dysfunction of the hypothalamic-pituitary-adrenal axis and functional somatic symptoms: a longitudinal cohort study in the general population. <i>Psychoneuroendocrinology</i> , 2009 , 34, 869-77	5	15
4 ¹⁰	Effect of withdrawal of pravastatin therapy on C-reactive protein and low-density lipoprotein cholesterol. <i>American Journal of Cardiology</i> , 2007 , 100, 1548-51	3	15
4 ⁰⁹	Sodium intake modifies the negative prognostic value of renal damage prior to treatment with ACE inhibitors on proteinuria induced by adriamycin. <i>Nephron Physiology</i> , 2006 , 103, p43-52		15
4 ⁰⁸	Urine Concentrating Capacity, Vasopressin and Copeptin in ADPKD and IgA Nephropathy Patients with Renal Impairment. <i>PLoS ONE</i> , 2017 , 12, e0169263	3.7	15
4 ⁰⁷	Sex-Specific Associations of Cardiovascular Risk Factors and Biomarkers With Incident Heart Failure. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1455-1465	15.1	15
4 ⁰⁶	Effects of potassium supplementation on markers of osmoregulation and volume regulation: results of a fully controlled dietary intervention study. <i>Journal of Hypertension</i> , 2016 , 34, 215-20	1.9	15
4 ⁰⁵	Inflammation biomarkers and mortality prediction in patients with type 2 diabetes (ZODIAC-27). <i>Atherosclerosis</i> , 2016 , 250, 46-51	3.1	15

404	Consumption of fruits and vegetables and cardiovascular mortality in renal transplant recipients: a prospective cohort study. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 357-365	4.3	15
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402	Magnesium and Blood Pressure: A Physiology-Based Approach. <i>Advances in Chronic Kidney Disease</i> , 2018 , 25, 244-250	4.7	15
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342	Renal sodium handling and haemodynamics are equally affected by hyperinsulinaemia in salt-sensitive and salt-resistant hypertensives. <i>Journal of Hypertension</i> , 2001 , 19, 1633-41	1.9	11
341	Plasma potassium, diuretic use and risk of developing chronic kidney disease in a predominantly White population. <i>PLoS ONE</i> , 2017 , 12, e0174686	3.7	11
340	Volumetric absorptive microsampling and dried blood spot microsampling vs. conventional venous sampling for tacrolimus trough concentration monitoring. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1687-1695	5.9	11
339	Sodium status and kidney involvement during COVID-19 infection. <i>Virus Research</i> , 2020 , 286, 198034	6.4	11
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335	Higher plasma GlycA, a novel pro-inflammatory glycoprotein biomarker, is associated with reduced life expectancy: The PREVEND study. <i>Clinica Chimica Acta</i> , 2019 , 488, 7-12	6.2	11
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320	High prevalence of malnutrition both on hospital admission and pre-discharge. <i>Nutrition</i> , 2020 , 77, 110814.8	4.8	10
319	Assuring Consistent Performance of an Insulin-Like Growth Factor 1 MALDI Immunoassay by Monitoring Measurement Quality Indicators. <i>Analytical Chemistry</i> , 2017 , 89, 6188-6195	7.8	9
318	Urine and plasma osmolality in patients with autosomal dominant polycystic kidney disease: reliable indicators of vasopressin activity and disease prognosis?. <i>American Journal of Nephrology</i> , 2015 , 41, 248-56	4.6	9
317	Sex specific association between carnosinase gene CNDP1 and cardiovascular mortality in patients with type 2 diabetes (ZODIAC-22). <i>Journal of Nephrology</i> , 2015 , 28, 201-7	4.8	9
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310	Apolipoprotein E levels and apolipoprotein E genotypes in incident cardiovascular disease risk in subjects of the Prevention of Renal and Vascular End-stage disease study. <i>Journal of Clinical Lipidology</i> , 2016 , 10, 842-850	4.9	9
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300	Are brain and heart tissue prone to the development of thiamine deficiency?. <i>Alcohol</i> , 2013 , 47, 215-21	2.7	8
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293	A Scoping Review of Key Health Items in Self-Report Instruments Used Among Solid Organ Transplant Recipients. <i>Patient</i> , 2019 , 12, 171-181	3.7	8
292	Association of beta-hydroxybutyrate with development of heart failure: Sex differences in a Dutch population cohort. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13468	4.6	8
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290	Systemic Oxidative Stress, Aging and the Risk of Cardiovascular Events in the General Female Population. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 630543	5.4	8
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283	Rapid free thiol rebound is a physiological response following cold-induced vasoconstriction in healthy humans, primary Raynaud and systemic sclerosis. <i>Physiological Reports</i> , 2019 , 7, e14017	2.6	7
282	Is the association of serum sodium with mortality in patients with type 2 diabetes explained by copeptin or NT-proBNP? (ZODIAC-46). <i>Atherosclerosis</i> , 2015 , 242, 179-85	3.1	7
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280	Active Smoking and Hematocrit and Fasting Circulating Erythropoietin Concentrations in the General Population. <i>Mayo Clinic Proceedings</i> , 2018 , 93, 337-343	6.4	7
279	Effects of urinary cortisol levels and resting heart rate on the risk for fatal and nonfatal cardiovascular events. <i>Atherosclerosis</i> , 2016 , 248, 44-50	3.1	7

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275	Acute elevation of plasma non-esterified fatty acids increases pulse wave velocity and induces peripheral vasodilation in humans in vivo. <i>Clinical Science</i> , 2007 , 113, 33-40	6.5	7
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270	Switching iron sucrose to ferric carboxymaltose associates to better control of iron status in hemodialysis patients. <i>BMC Nephrology</i> , 2018 , 19, 242	2.7	7
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261	Parental history of type 2 diabetes and cardiometabolic biomarkers in offspring. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 974-82	4.6	6

260	Intake of Marine-Derived Omega-3 Polyunsaturated Fatty Acids and Mortality in Renal Transplant Recipients. <i>Nutrients</i> , 2017 , 9,	6.7	6
259	Surgical Safety and Efficacy of Third Kidney Transplantation in the Ipsilateral Iliac Fossa. <i>Annals of Transplantation</i> , 2019 , 24, 132-138	1.4	6
258	Physical Activity and the Development of Post-Transplant Diabetes Mellitus, and Cardiovascular- and All-Cause Mortality in Renal Transplant Recipients. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
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256	Interplay of erythropoietin, fibroblast growth factor 23, and erythroferrone in patients with hereditary hemolytic anemia. <i>Blood Advances</i> , 2020 , 4, 1678-1682	7.8	6
255	Interplay between gut microbiota, bone health and vascular calcification in chronic kidney disease. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13588	4.6	6
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253	Clinical application of a dried blood spot assay for sirolimus and everolimus in transplant patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 1854-1862	5.9	6
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251	Perioperative antithrombotic therapy does not increase the incidence of early postoperative thromboembolic complications and bleeding in kidney transplantation - a retrospective study. <i>Transplant International</i> , 2019 , 32, 418-430	3	6
250	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. <i>Kidney International</i> , 2021 , 99, 926-939	9.9	6
249	Relationship between body mass index, cardiovascular biomarkers and incident heart failure. <i>European Journal of Heart Failure</i> , 2021 , 23, 396-402	12.3	6
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246	Vitamin B-6 deficiency is common and associated with poor long-term outcome in renal transplant recipients. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1344-1350	7	5
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229	Creatinine synthesis rate and muscle strength and self-reported physical health in dialysis patients. <i>Clinical Nutrition</i> , 2020 , 39, 1600-1607	5.9	5
228	Transitions in frailty state after kidney transplantation. <i>Langenbeck's Archives of Surgery</i> , 2020 , 405, 843-850	3.4	5
227	Vitamin Status and Diet in Elderly with Low and High Socioeconomic Status: The Lifelines-MINUTHE Study. <i>Nutrients</i> , 2020 , 12,	6.7	5
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219	Lower Renal Function Is Associated With Derangement of 11- Hydroxysteroid Dehydrogenase in Type 2 Diabetes. <i>Journal of the Endocrine Society</i> , 2018 , 2, 609-620	0.4	5
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160	Chronic kidney disease: Defining clinical cut-offs for albumin:creatinine ratio. <i>Nature Reviews Nephrology</i> , 2013 , 9, 710-2	14.9	3
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154	Low Physical Activity in Patients with Complicated Type 2 Diabetes Mellitus Is Associated with Low Muscle Mass and Low Protein Intake. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
153	Vitamin B6, Inflammation, and Cardiovascular Outcome in a Population-Based Cohort: The Prevention of Renal and Vascular End-Stage Disease (PREVEND) Study. <i>Nutrients</i> , 2020 , 12,	6.7	3

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151	Vibration threshold in non-diabetic subjects. <i>PLoS ONE</i> , 2020 , 15, e0237733	3.7	3
150	Urinary Excretion of -Methylnicotinamide and -Methyl-2-Pyridone-5-Carboxamide and Mortality in Kidney Transplant Recipients. <i>Nutrients</i> , 2020 , 12,	6.7	3
149	Protein Intake, Fatigue and Quality of Life in Stable Outpatient Kidney Transplant Recipients. <i>Nutrients</i> , 2020 , 12,	6.7	3
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147	Biochemical Urine Testing of Medication Adherence and Its Association With Clinical Markers in an Outpatient Population of Type 2 Diabetes Patients: Analysis in the DIABetes and LiFEstyle Cohort Twente (DIALECT). <i>Diabetes Care</i> , 2021 , 44, 1419-1425	14.6	3
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139	Introduction of the Grayscale Median for Ultrasound Tissue Characterization of the Transplanted Kidney. <i>Diagnostics</i> , 2021 , 11,	3.8	3
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137	Phosphate and fibroblast growth factor 23 in diabetes. <i>Clinical Science</i> , 2021 , 135, 1669-1687	6.5	3
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134	High-Density Lipoprotein Particles and Their Relationship to Posttransplantation Diabetes Mellitus in Renal Transplant Recipients. <i>Biomolecules</i> , 2020 , 10,	5.9	2
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