

Marijn M Speeckaert

List of Publications by Citations

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123
papers

2,403
citations

25
h-index

46
g-index

137
ext. papers

2,976
ext. citations

5.2
avg, IF

5.81
L-index

#	Paper	IF	Citations
123	Biological and clinical aspects of the vitamin D binding protein (Gc-globulin) and its polymorphism. <i>Clinica Chimica Acta</i> , 2006 , 372, 33-42	6.2	359
122	Behind the scenes of vitamin D binding protein: more than vitamin D binding. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2015 , 29, 773-86	6.5	100
121	Preanalytical requirements of urinalysis. <i>Biochemia Medica</i> , 2014 , 24, 89-104	2.5	91
120	Translational research and biomarkers in neonatal sepsis. <i>Clinica Chimica Acta</i> , 2015 , 451, 46-64	6.2	84
119	Vitamin D binding protein: a multifunctional protein of clinical importance. <i>Advances in Clinical Chemistry</i> , 2014 , 63, 1-57	5.8	76
118	Acute generalized exanthematous pustulosis: an overview of the clinical, immunological and diagnostic concepts. <i>European Journal of Dermatology</i> , 2010 , 20, 425-33	0.8	76
117	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
116	Tumor necrosis factor receptors: biology and therapeutic potential in kidney diseases. <i>American Journal of Nephrology</i> , 2012 , 36, 261-70	4.6	74
115	Are there better alternatives than haemoglobin A1c to estimate glycaemic control in the chronic kidney disease population?. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 2167-77	4.3	68
114	Biological and clinical aspects of soluble transferrin receptor. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2010 , 47, 213-28	9.4	68
113	COVID-19 infections are also affected by human ACE1 D/I polymorphism. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1125-1126	5.9	68
112	Gut microbiota generation of protein-bound uremic toxins and related metabolites is not altered at different stages of chronic kidney disease. <i>Kidney International</i> , 2020 , 97, 1230-1242	9.9	63
111	Applications of mid-infrared spectroscopy in the clinical laboratory setting. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018 , 55, 1-20	9.4	62
110	Creatinine determination according to Jaffe-what does it stand for?. <i>CKJ: Clinical Kidney Journal</i> , 2011 , 4, 83-6	4.5	55
109	The intriguing role of soluble urokinase receptor in inflammatory diseases. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017 , 54, 117-133	9.4	52
108	The role of interleukin-17A in the pathogenesis of kidney diseases. <i>Pathology</i> , 2017 , 49, 247-258	1.6	51
107	Why treatments do(n't) work in vitiligo: An autoinflammatory perspective. <i>Autoimmunity Reviews</i> , 2015 , 14, 332-40	13.6	50

106	DNA methylation-based biomarkers in serum of patients with breast cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2012 , 751, 304-325	7	50
105	Mechanisms and consequences of carbamoylation. <i>Nature Reviews Nephrology</i> , 2017 , 13, 580-593	14.9	46
104	Critical appraisal of the oxidative stress pathway in vitiligo: a systematic review and meta-analysis. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2018 , 32, 1089-1098	4.6	36
103	Investigation of the potential association of vitamin D binding protein with lipoproteins. <i>Annals of Clinical Biochemistry</i> , 2010 , 47, 143-50	2.2	35
102	Growth differentiation factor 15: A novel biomarker with high clinical potential. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019 , 56, 333-350	9.4	33
101	Vitamin D binding protein, a new nutritional marker in cystic fibrosis patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008 , 46, 365-70	5.9	31
100	C3 and ACE1 polymorphisms are more important confounders in the spread and outcome of COVID-19 in comparison with ABO polymorphism. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 1331-1332	3.9	25
99	Preanalytics in urinalysis. <i>Clinical Biochemistry</i> , 2016 , 49, 1346-1350	3.5	25
98	Diagnosis and monitoring of IgA nephropathy: the role of biomarkers as an alternative to renal biopsy. <i>Autoimmunity Reviews</i> , 2015 , 14, 847-53	13.6	25
97	Biology of human pentraxin 3 (PTX3) in acute and chronic kidney disease. <i>Journal of Clinical Immunology</i> , 2013 , 33, 881-90	5.7	24
96	Pelger-Huë anomaly: a critical review of the literature. <i>Acta Haematologica</i> , 2009 , 121, 202-6	2.7	23
95	Glycation in human fingernail clippings using ATR-FTIR spectrometry, a new marker for the diagnosis and monitoring of diabetes mellitus. <i>Clinical Biochemistry</i> , 2017 , 50, 62-67	3.5	22
94	Vitamin D binding protein polymorphism and COVID-19. <i>Journal of Medical Virology</i> , 2021 , 93, 705-707	19.7	22
93	Sensitive albuminuria analysis using dye-binding based test strips. <i>Clinica Chimica Acta</i> , 2017 , 471, 107-112	16.2	19
92	Analysis of protein glycation in human fingernail clippings with near-infrared (NIR) spectroscopy as an alternative technique for the diagnosis of diabetes mellitus. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 1551-1558	5.9	18
91	Glycated nail proteins: a new approach for detecting diabetes in developing countries. <i>Tropical Medicine and International Health</i> , 2014 , 19, 58-64	2.3	18
90	Urinary myeloid IgA Fc alpha receptor (CD89) and transglutaminase-2 as new biomarkers for active IgA nephropathy and henoch-Schönlein purpura nephritis. <i>BBA Clinical</i> , 2016 , 5, 79-84		16
89	Glycation of nail proteins: from basic biochemical findings to a representative marker for diabetic glycation-associated target organ damage. <i>PLoS ONE</i> , 2015 , 10, e0120112	3.7	16

88	Multi-collector ICP-mass spectrometry reveals changes in the serum Mg isotopic composition in diabetes type I patients. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 1514-1521	3.7	15
87	Association between low vitamin D and COVID-19: don't forget the vitamin D binding protein. <i>Aging Clinical and Experimental Research</i> , 2020 , 32, 1207-1208	4.8	15
86	Free p-cresyl sulfate shows the highest association with cardiovascular outcome in chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2021 , 36, 998-1005	4.3	14
85	Value and pitfalls in iodine fortification and supplementation in the 21st century. <i>British Journal of Nutrition</i> , 2011 , 106, 964-73	3.6	12
84	Whole blood Fe isotopic signature in a sub-Saharan African population. <i>Metallomics</i> , 2017 , 9, 1142-1149	4.5	11
83	Compensating for the influence of total serum protein in the Schwartz formula. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012 , 50, 1597-600	5.9	10
82	The potential influence of human Y-chromosome haplogroup on COVID-19 prevalence and mortality. <i>Annals of Oncology</i> , 2020 , 31, 1582-1584	10.3	10
81	Quantification of carbamylated albumin in serum based on capillary electrophoresis. <i>Electrophoresis</i> , 2017 , 38, 2135-2140	3.6	9
80	Immunochemically unreactive albumin in urine: fiction or reality?. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2011 , 48, 87-96	9.4	9
79	Exploring the possibilities of infrared spectroscopy for urine sediment examination and detection of pathogenic bacteria in urinary tract infections. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1759-1767	5.9	9
78	ACE Ins/Del genetic polymorphism and epidemiological findings in COVID-19. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1129-1130	5.9	9
77	Recent evolutions of machine learning applications in clinical laboratory medicine. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 58, 131-152	9.4	9
76	Detection and Characterization of a Biochemical Signature Associated with Diabetic Nephropathy Using Near-infrared Spectroscopy on Tissue Sections. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	8
75	Vitamin D binding protein and the need for vitamin D in hemodialysis patients. <i>Journal of Renal Nutrition</i> , 2008 , 18, 400-7	3	8
74	Ceftriaxone-induced immune hemolytic anemia as a life-threatening complication of antibiotic treatment of Chronic Lyme disease. <i>Acta Clinica Belgica</i> , 2017 , 72, 133-137	1.8	7
73	Peroxisome proliferator-activated receptor agonists in a battle against the aging kidney. <i>Ageing Research Reviews</i> , 2014 , 14, 1-18	12	7
72	Chronic nicotine exposure and acute kidney injury: new concepts and experimental evidence. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 1329-31	4.3	7
71	Evolution of vitamin D binding protein concentration in sera from cardiac surgery patients is determined by triglyceridemia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010 , 48, 1345-50	5.9	7

70	Secukinumab: IL-17A inhibition to treat psoriatic arthritis. <i>Drugs of Today</i> , 2016 , 52, 607-616	2.5	7
69	Binding of bromocresol green and bromocresol purple to albumin in hemodialysis patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 436-440	5.9	7
68	Fondaparinux as an alternative to vitamin K antagonists in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 3090-5	4.3	6
67	The Role of Vitamin D in Diabetic Nephropathy: A Translational Approach.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	6
66	Renal tubular epithelial cells add value in the diagnosis of upper urinary tract pathology. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 597-604	5.9	6
65	Haptoglobin phenotype and Parkinson disease risk. <i>Parkinsonism and Related Disorders</i> , 2016 , 22, 108-9	3.6	6
64	The role of soluble receptor for advanced glycation end-products (sRAGE) in the general population and patients with diabetes mellitus with a focus on renal function and overall outcome. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 58, 113-130	9.4	6
63	The association between fructosamine-3 kinase 900C/G polymorphism, transferrin polymorphism and human herpesvirus-8 infection in diabetics living in South Kivu. <i>Acta Tropica</i> , 2016 , 163, 14-9	3.2	5
62	Diabetes mellitus and laboratory medicine in sub-Saharan Africa: challenges and perspectives. <i>Acta Clinica Belgica</i> , 2019 , 74, 137-142	1.8	5
61	Low serum creatine kinase activity is associated with worse outcome in critically ill patients. <i>Journal of Critical Care</i> , 2014 , 29, 786-90	4	5
60	An unusual case of (pseudo)hypertriglyceridaemia. <i>CKJ: Clinical Kidney Journal</i> , 2010 , 3, 570-2	4.5	5
59	Glycated nail proteins as a new biomarker in management of the South Kivu Congolese diabetics. <i>Biochimica Medica</i> , 2015 , 25, 469-73	2.5	5
58	Potential underlying mechanisms of cerebral venous thrombosis associated with COVID-19. <i>Journal of Neuroradiology</i> , 2020 , 47, 473-474	3.1	5
57	UV Fluorescence-Based Determination of Urinary Advanced Glycation End Products in Patients with Chronic Kidney Disease. <i>Diagnostics</i> , 2020 , 10,	3.8	4
56	Carbamoylated Nail Proteins as Assessed by Near-Infrared Analysis are Associated with Load of Uremic Toxins and Mortality in Hemodialysis Patients. <i>Toxins</i> , 2020 , 12,	4.9	4
55	Estimating the Level of Carbamoylated Plasma Non-High-Density Lipoproteins Using Infrared Spectroscopy. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	4
54	Flow cytometry-based analysis by Sysmex-UF1000i□ is an alternative method in the assessment of periodontal inflammation. <i>Clinica Chimica Acta</i> , 2014 , 436, 176-80	6.2	4
53	A Potential Role for Fructosamine-3-Kinase in Cataract Treatment. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4

52	Vitamin D Sufficiency and COVID-19: Is Vitamin D Binding Protein (and Its Polymorphism) the Missing Link?. <i>Endocrine Practice</i> , 2021 , 27, 645	3.2	4
51	Determination of iohexol and iothalamate in serum and urine by capillary electrophoresis. <i>Electrophoresis</i> , 2016 , 37, 2363-7	3.6	4
50	Detailed faecal fat analysis using Fourier transform infrared spectroscopy: Exploring the possibilities. <i>Clinical Biochemistry</i> , 2016 , 49, 1283-1287	3.5	4
49	Genetic Polymorphisms in the Host and COVID-19 Infection. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1318, 109-118	3.6	4
48	Infrared analysis of lipoproteins in the detection of alcohol biomarkers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 876-881	5.9	3
47	Gut Microbiota and Their Derived Metabolites, a Search for Potential Targets to Limit Accumulation of Protein-Bound Uremic Toxins in Chronic Kidney Disease. <i>Toxins</i> , 2021 , 13,	4.9	3
46	Fructosamine-3-Kinase as a Potential Treatment Option for Age-Related Macular Degeneration. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
45	Vaccinations in Patients Receiving Systemic Drugs for Skin Disorders: What Can We Learn for SARS-Cov-2 Vaccination Strategies?. <i>Drugs in R and D</i> , 2021 , 21, 341-350	3.4	3
44	The evolutionary adaptation of hemochromatosis associated mutations during the neolithic. <i>American Journal of Physical Anthropology</i> , 2016 , 161, 530-531	2.5	3
43	The presence of fructosamine in human aortic valves is associated with valve stiffness. <i>Journal of Clinical Pathology</i> , 2016 , 69, 772-6	3.9	2
42	Labile glycated hemoglobin: an underestimated laboratory marker of short term glycemia.. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022 ,	5.9	2
41	Vitamin D binding protein in COVID-19. <i>Clinical Medicine</i> , 2020 , 20, e136-e137	1.9	2
40	ACE polymorphism is a determinant for COVID-19 mortality in the post-vaccination era. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	2
39	Evaluation of a turbidimetric C-reactive protein assay to monitor early-onset neonatal sepsis in South Kivu (Democratic Republic of the Congo). <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 , 59, 625-630	5.9	2
38	Infrared spectroscopic imaging for interrogating the carbohydrate biochemistry of diabetic nephropathy progression. <i>Kidney International</i> , 2016 , 90, 225-6	9.9	2
37	Importance of the Lipid-Bound Character of Vitamin D Binding Protein in the Evaluation of Vitamin D Status in COVID-19 Patients. <i>American Journal of Clinical Pathology</i> , 2021 , 155, 766-767	1.9	2
36	Genetic polymorphisms, vitamin D binding protein and vitamin D deficiency in COVID-19. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	2
35	A key role for vitamin D binding protein in COVID-19?. <i>European Journal of Nutrition</i> , 2021 , 60, 2259-2266.	3.2	2

34	Urine test strips vs. pyrogallol red-molybdate assays for proteinuria: a critical approach. <i>Clinical and Experimental Nephrology</i> , 2020 , 24, 489-490	2.5	1
33	How to assess renal function in patients with a neobladder. <i>Clinica Chimica Acta</i> , 2020 , 504, 154	6.2	1
32	Iron status as a confounder in the gender gap in survival under extreme conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E4148-E4149	11.5	1
31	Interference of glucose and total protein on Jaffe-based creatinine methods: mind the covolume. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, e188-e189	5.9	1
30	On the nature of toenail opacities in renal insufficiency. <i>Clinical and Experimental Nephrology</i> , 2019 , 23, 146-147	2.5	1
29	Albumin assays and clinical decision-making in nephrotic syndrome patients. <i>Kidney International</i> , 2019 , 96, 248-249	9.9	1
28	ABO Blood Groups and Coronavirus Disease 2019 (COVID-19). <i>Clinical Infectious Diseases</i> , 2021 , 72, e917	11.6	1
27	Vitamin D binding protein and its polymorphisms may explain the link between vitamin D deficiency and COVID-19. <i>Science Progress</i> , 2021 , 104, 368504211053510	1.1	1
26	Vitamin D and Vitamin D binding protein: the inseparable duo in COVID-19. <i>Journal of Endocrinological Investigation</i> , 2021 , 44, 2323-2324	5.2	1
25	Microhematuria: AUA/SUFU Guideline. Letter. <i>Journal of Urology</i> , 2021 , 205, 1848-1849	2.5	1
24	C-Reactive Protein in Neonates and Risk for Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2021 , 90, e63	7.9	1
23	Iodine containing contrast media and urinary flow cytometry: an unknown interference in automated urine sediment analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 , 59, e335-e337	5.9	1
22	The potential significance of vitamin D binding protein polymorphism in COVID-19. <i>International Journal of Infectious Diseases</i> , 2021 , 109, 90	10.5	1
21	Host polymorphisms and COVID-19 infection.. <i>Advances in Clinical Chemistry</i> , 2022 , 107, 41-77	5.8	1
20	25-Hydroxyvitamin D in Patients With Cognitive Decline. <i>JAMA Neurology</i> , 2016 , 73, 356-7	17.2	0
19	On the protein content of kidney stones: an explorative study. <i>Acta Clinica Belgica</i> , 2021 , 1-8	1.8	0
18	Commentary: Is There a Crucial Link Between Vitamin D Status and Inflammatory Response in Patients With COVID-19?. <i>Frontiers in Immunology</i> , 2022 , 13, 875973	8.4	0
17	Urinary Epidermal Growth Factor: A Promising "Next Generation" Biomarker in Kidney Disease.. <i>American Journal of Nephrology</i> , 2022 , 1-16	4.6	0

16	Commentary: Vitamin D Status in Relation to the Clinical Outcome of Hospitalized COVID-19 Patients. <i>Frontiers in Medicine</i> , 9,	4.9	o
15	A rare presentation of kidney failure in a patient with giant cell arteritis: case report and review of literature. <i>Acta Clinica Belgica</i> , 2021, 76, 496-499	1.8	
14	L-index, more than a screening tool for hypertriglyceridemia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, e128-e129	5.9	
13	Influence of the vitamin D binding protein polymorphisms on the relationship between vitamin D status and the severity of COVID-19 in pregnant women.. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 1-2	2	
12	Letter to the Editor: The Underestimated Role of the Lipid-Bound Character of Vitamin D Binding Protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, L109-10	5.6	
11	Standardized 25-Hydroxyvitamin D Measurements in Parkinson's Disease Patients With COVID-19. <i>Movement Disorders</i> , 2020, 35, 1497	7	
10	Vitamin D binding protein and endothelial injury after hematopoietic stem cell transplantation: an actin scavenger with a lipid-bound character. <i>Haematologica</i> , 2021, 106, 923	6.6	
9	Vitamin D binding protein: A key regulator of vitamin D deficiency among patients with pneumonia. <i>Clinical Nutrition</i> , 2021, 40, 2491-2492	5.9	
8	The biologic importance of the vitamin D binding protein polymorphism in pediatric COVID-19 patients. <i>European Journal of Pediatrics</i> , 2021, 180, 2707-2708	4.1	
7	Vitamin D binding protein: A polymorphic protein with actin-binding capacity in COVID- 19. <i>Nutrition</i> , 2021, 111347	4.8	
6	The influence of the genetic background of the host on vitamin D deficiency in children with COVID-19. <i>Pediatric Pulmonology</i> , 2021, 56, 1259-1260	3.5	
5	Contribution of Vitamin D-Binding Protein Polymorphism to Susceptibility and Outcome of COVID-19 Patients. <i>Journal of Nutrition</i> , 2021, 151, 2498-2499	4.1	
4	Comment on "An evidence-based guide to SARS-CoV-2 vaccination of patients on immunotherapies in dermatology". <i>Journal of the American Academy of Dermatology</i> , 2021, 85, e89-e90	4.5	
3	Commentary: Serum Vitamin D Levels Are Associated With Increased COVID-19 Severity and Mortality Independent of Whole-Body and Visceral Adiposity.. <i>Frontiers in Nutrition</i> , 2022, 9, 885204	6.2	
2	COVID-19 related mortality and religious denomination vs. genetics.. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022,	5.9	
1	Association of Vitamin D Status and COVID-19-Related Hospitalization and Mortality.. <i>Journal of General Internal Medicine</i> , 2022,	4	