

Carel J Pretorius

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.

61
papers

936
citations

19
h-index

28
g-index

64
ext. papers

1,106
ext. citations

4.6
avg, IF

4.07
L-index

#	Paper	IF	Citations
61	Measurement of cortisol, cortisone, prednisolone, dexamethasone and 11-deoxycortisol with ultra high performance liquid chromatography-tandem mass spectrometry: Application for plasma, plasma ultrafiltrate, urine and saliva in a routine laboratory. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 876, 2863-9	3.2	74
60	PTHrP-mediated hypercalcemia: causes and survival in 138 patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 2024-9	5.6	61
59	Neonatal complete generalized glucocorticoid resistance and growth hormone deficiency caused by a novel homozygous mutation in Helix 12 of the ligand binding domain of the glucocorticoid receptor gene (NR3C1). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 297-302	5.6	61
58	Calcitriol-mediated hypercalcemia: causes and course in 101 patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4023-9	5.6	46
57	ELF score 9.8 indicates advanced hepatic fibrosis and is influenced by age, steatosis and histological activity. <i>Liver International</i> , 2015 , 35, 1673-81	7.9	43
56	Evaluation of the N Latex FLC free light chain assay on the Siemens BN analyser: precision, agreement, linearity and variation between reagent lots. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 450-5	2.2	41
55	Discordance with 3 Cardiac Troponin I and T Assays: Implications for the 99th Percentile Cutoff. <i>Clinical Chemistry</i> , 2016 , 62, 1106-14	5.5	37
54	Concordance, variance, and outliers in 4 contemporary cardiac troponin assays: implications for harmonization. <i>Clinical Chemistry</i> , 2012 , 58, 274-83	5.5	36
53	Outliers as a cause of false cardiac troponin results: investigating the robustness of 4 contemporary assays. <i>Clinical Chemistry</i> , 2011 , 57, 710-8	5.5	35
52	The Enhanced liver fibrosis score is associated with clinical outcomes and disease progression in patients with chronic liver disease. <i>Liver International</i> , 2016 , 36, 370-7	7.9	32
51	Reference ranges and biological variation of free and total serum indoxyl- and p-cresyl sulphate measured with a rapid UPLC fluorescence detection method. <i>Clinica Chimica Acta</i> , 2013 , 419, 122-6	6.2	28
50	Serial changes in plasma total cortisol, plasma free cortisol, and tissue cortisol activity in patients with septic shock: an observational study. <i>Shock</i> , 2012 , 37, 28-33	3.4	28
49	Glucocorticoid Sensitivity Is Highly Variable in Critically Ill Patients With Septic Shock and Is Associated With Disease Severity. <i>Critical Care Medicine</i> , 2016 , 44, 1034-41	1.4	27
48	Evaluating Rapid Rule-out of Acute Myocardial Infarction Using a High-Sensitivity Cardiac Troponin I Assay at Presentation. <i>Clinical Chemistry</i> , 2018 , 64, 820-829	5.5	26
47	Free cortisol method comparison: ultrafiltration, equilibrium dialysis, tracer dilution, tandem mass spectrometry and calculated free cortisol. <i>Clinica Chimica Acta</i> , 2011 , 412, 1043-7	6.2	26
46	Diagnostic sensitivity of carbohydrate deficient transferrin in heavy drinkers. <i>BMC Gastroenterology</i> , 2014 , 14, 97	3	24
45	Falsely elevated troponin I results due to outliers indicate a lack of analytical robustness. <i>Annals of Clinical Biochemistry</i> , 2010 , 47, 242-7	2.2	23

44	Two siblings with episodic ketoacidosis and decreased activity of succinyl-CoA:3-ketoacid CoA-transferase in cultured fibroblasts. <i>Journal of Inherited Metabolic Disease</i> , 1996 , 19, 296-300	5.4	23
43	Comparison of high sensitivity troponin T and I assays in the diagnosis of non-ST elevation acute myocardial infarction in emergency patients with chest pain. <i>Clinical Biochemistry</i> , 2014 , 47, 321-6	3.5	22
42	Evaluation of the N Latex free light chain assay in the diagnosis and monitoring of AL amyloidosis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 2303-10	5.9	19
41	A novel mutation of the primary protein kinase C phosphorylation site in the calcium-sensing receptor causes autosomal dominant hypocalcemia. <i>European Journal of Endocrinology</i> , 2011 , 164, 429-35	6.5	19
40	Serial cardiac troponin differences measured on four contemporary analyzers: relative differences, actual differences and reference change values compared. <i>Clinica Chimica Acta</i> , 2012 , 413, 1786-91	6.2	18
39	A critical evaluation of the Beckman Coulter Access hsTnI: Analytical performance, reference interval and concordance. <i>Clinical Biochemistry</i> , 2018 , 55, 49-55	3.5	15
38	Biological and diurnal variation in glucocorticoid sensitivity detected with a sensitive in vitro dexamethasone suppression of cytokine production assay. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3657-63	5.6	15
37	Sex Hormone Binding Globulin Modifies Testosterone Action and Metabolism in Prostate Cancer Cells. <i>International Journal of Endocrinology</i> , 2016 , 2016, 6437585	2.7	12
36	Comparison of FreeLite and N Latex serum free light chain assays in subjects with end stage kidney disease on haemodialysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 1045-52	5.9	11
35	Towards a consistent definition of a significant delta troponin with z-scores: a way out of chaos?. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2014 , 3, 149-57	4.3	10
34	Combined light chain immunofixation to detect monoclonal gammopathy: a comparison to standard electrophoresis in serum and urine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014 , 52, 981-7	5.9	9
33	Cardiac Troponin I carryover by very high patient samples still causes false-positive results on the Beckman Coulter AccuTnI + 3. <i>Annals of Clinical Biochemistry</i> , 2016 , 53, 177-9	2.2	8
32	Gonadotrophin-independent precocious puberty in an eight-year-old boy due to ectopic human chorionic gonadotrophin from the central nervous system. <i>Annals of Clinical Biochemistry</i> , 2010 , 47, 271-4	2.2	8
31	Therapeutic plasma exchange normalizes insulin-mediated response in a child with type 1 diabetes and insulin autoimmune syndrome. <i>Pediatric Diabetes</i> , 2018 , 19, 171-179	3.6	7
30	Hook effect in Abbott i-STAT E human chorionic gonadotropin (EhCG) point of care assay. <i>Clinical Biochemistry</i> , 2014 , 47, 1320-2	3.5	7
29	Effect of recalibration of the hs-TnT assay on diagnostic performance. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014 , 52, e25-7	5.9	7
28	Screening immunofixation should replace protein electrophoresis as the initial investigation of monoclonal gammopathy: Point. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 963-6	5.9	6
27	Performance of risk stratification for acute coronary syndrome with two-hour sensitive troponin assay results. <i>Heart Lung and Circulation</i> , 2014 , 23, 428-34	1.8	6

26	A fit-for-purpose approach to analytical sensitivity applied to a cardiac troponin assay: time to escape the highly-sensitiveStrap. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014 , 52, 553-6	5.9	6
25	BMI but not stage or etiology of nonalcoholic liver disease affects the diagnostic utility of carbohydrate-deficient transferrin. <i>Alcoholism: Clinical and Experimental Research</i> , 2013 , 37, 1771-8	3.7	6
24	How comparable are total human chorionic gonadotropin (hCGt) tumour markers assays?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 438-444	5.9	6
23	Probing indiscretions: contamination of cardiac troponin reagent by very high patient samples causes false-positive results. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 395-8	2.2	5
22	Lead Toxicity: an Australian Perspective. <i>Clinical Biochemist Reviews</i> , 2018 , 39, 61-98	7.3	5
21	Case Report: Subcutaneous Ivermectin Pharmacokinetics in Disseminated Infection: Plasma and Postmortem Analysis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018 , 99, 1580-1582	3.2	5
20	Improved Diagnostic Performance of High-Sensitivity Cardiac Troponin Assays Is an Artifact of Censored Data. <i>Clinical Chemistry</i> , 2016 , 62, 1654-1657	5.5	5
19	Plasma Cortisol, Aldosterone, and Ascorbic Acid Concentrations in Patients with Septic Shock Do Not Predict Treatment Effect of Hydrocortisone on Mortality. A Nested Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 700-707	10.2	4
18	Rapid amino acid quantitation with pre-column derivatization; ultra-performance reverse phase liquid chromatography and single quadrupole mass spectrometry. <i>Clinica Chimica Acta</i> , 2018 , 478, 132-139	6.2	4
17	High-sensitivity cardiac troponin: do think twice, it's not all right. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 1669-1671	5.9	3
16	Pyroglutamate (5-oxoproline) measured with hydrophilic interaction chromatography (HILIC) tandem mass spectrometry in acutely ill patients. <i>Clinica Chimica Acta</i> , 2017 , 466, 72-77	6.2	2
15	Mind the gap: shortcomings of the osmotic gap and a possible solution. <i>Annals of Clinical Biochemistry</i> , 2018 , 55, 136-142	2.2	2
14	Copeptin is increased by nausea and vomiting during hypertonic saline infusion in healthy individuals. <i>Clinical Endocrinology</i> , 2021 , 94, 820-826	3.4	2
13	Insidious plumbum. <i>Pathology</i> , 2019 , 51, 449-451	1.6	1
12	Improved sensitivity of point of care troponin I values using reporting to below 99th percentile of normals. Schneider HG et al. <i>Clinical Biochemistry</i> , 2013 , 46, 1774-5	3.5	1
11	Ambiguous cardiac troponin recommendations. <i>Heart Lung and Circulation</i> , 2012 , 21, 197; author reply 198	1.8	1
10	Dismissal of the utility of free cortisol measurement is premature. <i>Intensive Care Medicine</i> , 2012 , 38, 718; author reply 719-20	14.5	1
9	Investigation of cholesterol bias due to a matrix effect of external quality assurance samples: how true is your cholesterol method?. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 538-41	2.2	1

8	Extreme hyperferritinaemia: further considerations. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 306	2.2	1
7	High-sensitivity troponin assays and clinical decisions. <i>Annals of Clinical Biochemistry</i> , 2012 , 49, 306-7; author reply 307	2.2	1
6	Assessing angiotensin-converting enzyme (ACE) protein is more appropriate than ACE activity when investigating sarcoidosis. <i>Medical Journal of Australia</i> , 2020 , 213, 178-179	4	1
5	Letter in reply to the letter to the editor of Ferraro S and Panteghini M with the title "More robust analytical evidence should support the selection for human chorionic gonadotropin assays for oncology application". <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, e64-e65	5.9	0
4	Maternal Metirapone Use During Breastfeeding: Safe for the Breastfed Infant. <i>Journal of the Endocrine Society</i> , 2019 , 3, 973-978	0.4	
3	Response to Basu et al. <i>Annals of Clinical Biochemistry</i> , 2013 , 50, 280	2.2	
2	Screening panels for detection of monoclonal gammopathies: confidence intervals. <i>Clinical Chemistry</i> , 2010 , 56, 677-9; author reply 679-80	5.5	
1	Clinical Comparison of the Freelite and N-Latex Serum Free Light Chain (FLC) Assays in the Diagnosis and Monitoring of AL Amyloidosis. <i>Blood</i> , 2012 , 120, 4991-4991	2.2	