

# Christopher R Mccudden

## List of Publications by Year in descending order

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93  
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270111

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299063

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94  
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94  
docs citations

94  
times ranked

2223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory Detection and Initial Diagnosis of Monoclonal Gammopathies. Archives of Pathology and Laboratory Medicine, 2022, 146, 575-590.	1.2	22
2	Limited Evidence for Use of a Black Race Modifier in eGFR Calculations: A Systematic Review. Clinical Chemistry, 2022, 68, 521-533.	1.5	11
3	Performance of the 2021 Race-Free CKD-EPI Creatinine- and Cystatin C-Based Estimated GFR Equations Among Kidney Transplant Recipients. American Journal of Kidney Diseases, 2022, 80, 462-472.e1.	2.1	13
4	The Prognostic Value of Serum Zinc Levels in Acutely Hospitalized Patients: a Systematic Review. Biological Trace Element Research, 2021, 199, 4447-4457.	1.9	5
5	A Systematic Review of the Effect of N-Acetylcysteine on Serum Creatinine and Cystatin C Measurements. Kidney International Reports, 2021, 6, 396-403.	0.4	9
6	N-Acetylcysteine Interference With Creatinine Measurement: An In Vitro Analysis. Kidney International Reports, 2021, 6, 1973-1976.	0.4	13
7	Parathyroid hormone measurement in chronic kidney disease: Impact of inter-method variability on mineral bone disease assessment. Clinical Biochemistry, 2021, 94, 62-66.	0.8	2
8	Reproducible manuscript preparation with RMarkdown application to JMSACL and other Elsevier Journals. Journal of Mass Spectrometry and Advances in the Clinical Lab, 2021, 22, 8-16.	1.3	2
9	Rise of the Machines: Artificial Intelligence and the Clinical Laboratory. journal of applied laboratory medicine, The, 2021, 6, 1640-1654.	0.6	15
10	Artifactual hypoglycemia in a patient with sickle cell anemia. Cmaj, 2021, 193, E1660-E1662.	0.9	1
11	Continuous reference intervals for pediatric testosterone, sex hormone binding globulin and free testosterone using quantile regression. Journal of Mass Spectrometry and Advances in the Clinical Lab, 2021, 22, 64-70.	1.3	8
12	Evaluation of the protein gap for detection of abnormal serum gammaglobulin level: an imperfect predictor. Clinical Chemistry and Laboratory Medicine, 2021, 59, 869-874.	1.4	1
13	Deus Ex Machina? Predicting SARS-CoV-2 Infection from Lab Tests Using Machine Learning. Clinical Chemistry, 2020, 66, 1365-1366.	1.5	1
14	Factors associated with zinc levels in hospitalized patients: An observational study using routinely collected data. Journal of Trace Elements in Medicine and Biology, 2020, 61, 126540.	1.5	4
15	Effective interventions to improve the quality of critically high point-of-care glucose meter results. Practical Laboratory Medicine, 2020, 22, e00184.	0.6	7
16	Bias in the Determination of Dialysate Sodium Concentration Set According to Conductivity Relative to Indirect Ion-Selective Measurement Techniques. Kidney International Reports, 2020, 5, 931-934.	0.4	1
17	An international multi-center serum protein electrophoresis accuracy and M-protein isotyping study. Part I: factors impacting limit of quantitation of serum protein electrophoresis. Clinical Chemistry and Laboratory Medicine, 2020, 58, 533-546.	1.4	36
18	An international multi-center serum protein electrophoresis accuracy and M-protein isotyping study. Part II: limit of detection and follow-up of patients with small M-proteins. Clinical Chemistry and Laboratory Medicine, 2020, 58, 547-559.	1.4	32

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19	Calculated Non-HDL Cholesterol Includes Cholesterol in Larger Triglyceride-Rich Lipoproteins in Hypertriglyceridemia. <i>Journal of the Endocrine Society</i> , 2020, 4, bvz010.	0.1	4
20	Commentary. <i>Clinical Chemistry</i> , 2019, 65, 836-837.	1.5	0
21	A Survey of Cerebrospinal Fluid Total Protein Upper Limits in Canada: Time for an Update?. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 283-286.	0.3	2
22	Continuous reference intervals for 38 biochemical markers in healthy children and adolescents: Comparisons to traditionally partitioned reference intervals. <i>Clinical Biochemistry</i> , 2019, 73, 82-89.	0.8	34
23	Commentary. <i>Clinical Chemistry</i> , 2019, 65, 1088-1088.	1.5	0
24	Age matters. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, e576.	3.1	7
25	Commentary. <i>Clinical Chemistry</i> , 2019, 65, 621-622.	1.5	0
26	Causes of albuminocytological dissociation and the impact of age-adjusted cerebrospinal fluid protein reference intervals: a retrospective chart review of 2627 samples collected at tertiary care centre. <i>BMJ Open</i> , 2019, 9, e025348.	0.8	26
27	Adult CSF total protein: Higher upper reference limits should be considered worldwide. A web-based survey. <i>Journal of the Neurological Sciences</i> , 2019, 396, 48-51.	0.3	20
28	Adult CSF total protein upper reference limits should be age-partitioned and significantly higher than 0.45Åg/L: a systematic review. <i>Journal of Neurology</i> , 2019, 266, 616-624.	1.8	41
29	Implementation and evaluation of structured nephrology morbidity and mortality conferences: a quality education report. <i>International Urology and Nephrology</i> , 2018, 50, 929-938.	0.6	6
30	Monoclonal protein reference change value as determined by gel-based serum protein electrophoresis. <i>Clinical Biochemistry</i> , 2018, 51, 61-65.	0.8	11
31	Candidate recommendations for protein electrophoresis reporting from the Canadian Society of Clinical Chemists Monoclonal Gammopathy Working Group. <i>Clinical Biochemistry</i> , 2018, 51, 10-20.	0.8	34
32	Synoptic reporting for protein electrophoresis and immunofixation. <i>Clinical Biochemistry</i> , 2018, 51, 21-28.	0.8	12
33	Recognition and management of common, rare, and novel serum protein electrophoresis and immunofixation interferences. <i>Clinical Biochemistry</i> , 2018, 51, 72-79.	0.8	28
34	Editorial on laboratory diagnosis and management of plasma cell dyscrasias special issue. <i>Clinical Biochemistry</i> , 2018, 51, 1-3.	0.8	1
35	A Unique Case of Metformin-Associated Lactic Acidosis. <i>Case Reports in Nephrology</i> , 2018, 2018, 1-5.	0.2	2
36	The Effect of N-Acetylcysteine on Creatinine Measurement: Protocol for a Systematic Review. <i>Canadian Journal of Kidney Health and Disease</i> , 2018, 5, 205435811880101.	0.6	2

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37	Clinical Electrophoresis. , 2018, , 128-128.		0
38	Quality, origins and limitations of common therapeutic drug reference intervals. Diagnosis, 2018, 5, 47-61.	1.2	9
39	Individual patient variability with the application of the kidney failure risk equation in advanced chronic kidney disease. PLoS ONE, 2018, 13, e0198456.	1.1	4
40	Laboratory Test Utilization. , 2017, , 25-34.		0
41	Post-analytical Issues in the Clinical Laboratory. , 2017, , 77-96.		0
42	The future of artificial intelligence and interpretative specialization in clinical biochemistry. Clinical Biochemistry, 2017, 50, 253-254.	0.8	3
43	$\hat{I}^2$ -Trace Protein Assays: A Comparison Between Nephelometric and ELISA Methodologies. American Journal of Kidney Diseases, 2017, 69, 866-868.	2.1	9
44	Robustness of the Reichert Unistat Bilirubinometer for analysis of hemolyzed samples from neonates. Clinical Biochemistry, 2017, 50, 238-240.	0.8	2
45	Response to: Interference of daratumumab on the serum protein electrophoresis. Clinical Chemistry and Laboratory Medicine, 2017, 55, e29-e30.	1.4	1
46	Cerebrospinal Fluid Total Protein Reference Intervals Derived from 20 Years of Patient Data. Clinical Chemistry, 2017, 63, 1856-1865.	1.5	61
47	Monitoring multiple myeloma patients treated with daratumumab: teasing out monoclonal antibody interference. Clinical Chemistry and Laboratory Medicine, 2016, 54, 1095-104.	1.4	102
48	Assessing clinical response in multiple myeloma (MM) patients treated with monoclonal antibodies (mAbs): Validation of a daratumumab IFE reflex assay (DIRA) to distinguish malignant M-protein from therapeutic antibody.. Journal of Clinical Oncology, 2015, 33, 8590-8590.	0.8	16
49	Clinical Relevance of Trace Bands on Serum Electrophoresis in Patients Without a History of Gammopathy. Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine, 2015, 26, 114-24.	0.7	3
50	Evaluation of digital images for identification and characterization of monoclonal immunoglobulins by immunofixation. Clinical Biochemistry, 2013, 46, 255-258.	0.8	7
51	The SYCL Toolkit: Creating a Program within a Professional Organization for Young Scientists. Clinical Chemistry, 2013, 59, 1416-1417.	1.5	0
52	Evaluation of high resolution gel $\hat{I}^2$ -transferrin for detection of cerebrospinal fluid leak. Clinical Chemistry and Laboratory Medicine, 2013, 51, 311-315.	1.4	44
53	Protein Modification by Deamidation Indicates Variations in Joint Extracellular Matrix Turnover. Journal of Biological Chemistry, 2012, 287, 4640-4651.	1.6	41
54	Performance evaluation of the Helena V8 capillary electrophoresis system. Clinical Biochemistry, 2012, 45, 697-699.	0.8	14

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55	Digital Gangrene. <i>New England Journal of Medicine</i> , 2011, 364, e34.	13.9	2
56	Self-Discovered Breast Mass in a 38-Year-Old Woman. <i>Laboratory Medicine</i> , 2011, 42, 68-73.	0.8	0
57	Multivariate Analysis of Clinical, Demographic, and Laboratory Data for Classification of Disorders of Calcium Homeostasis. <i>American Journal of Clinical Pathology</i> , 2011, 135, 100-107.	0.4	4
58	Testicular Mass in a 40-Year-Old Man. <i>Laboratory Medicine</i> , 2011, 42, 388-394.	0.8	1
59	The IFCC Task Force for Young Scientists. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 753.	1.4	1
60	News & Views: Now That Your Foot Is in the Door, Don't Put It in Your Mouth. <i>Clinical Chemistry</i> , 2011, 57, 784-787.	1.5	0
61	What Is Your Guess? The Case of the Blue-Green Urine. <i>Clinical Chemistry</i> , 2011, 57, 646-647.	1.5	4
62	News & Views: A Foot in the Door: A Guide to the Postdoctoral Application Process. <i>Clinical Chemistry</i> , 2010, 56, 1509-1511.	1.5	1
63	Interference of Monoclonal Antibody Therapies with Serum Protein Electrophoresis Tests. <i>Clinical Chemistry</i> , 2010, 56, 1897-1899.	1.5	69
64	Falsely Decreased Human Chorionic Gonadotropin (hCG) Results Due to Increased Concentrations of the Free $\beta$ Subunit and the $\beta$ Core Fragment in Quantitative hCG Assays. <i>Clinical Chemistry</i> , 2010, 56, 1839-1844.	1.5	29
65	The Challenges and Complexities of Thyroid Hormone Replacement. <i>Laboratory Medicine</i> , 2010, 41, 338-348.	0.8	15
66	The analytical specificity of human chorionic gonadotropin assays determined using WHO International Reference Reagents. <i>Clinica Chimica Acta</i> , 2010, 411, 81-85.	0.5	49
67	Comparison of multiple methods for identification of hyperprolactinemia in the presence of macroprolactin. <i>Clinica Chimica Acta</i> , 2010, 411, 155-160.	0.5	40
68	Therapeutic Monoclonal Antibody Interference with Serum Protein Electrophoresis Testing. <i>Blood</i> , 2010, 116, 5025-5025.	0.6	0
69	Recent Advances in the Detection of Prostate Cancer Using Epigenetic Markers in Commonly Collected Laboratory Samples. <i>Laboratory Medicine</i> , 2009, 40, 171-178.	0.8	8
70	Oligoclonal Bands in a 2-Year-Old Female. <i>Laboratory Medicine</i> , 2009, 40, 331-336.	0.8	0
71	What Is Your Guess? The Solidification of Mr. M. <i>Clinical Chemistry</i> , 2009, 55, 1760-1760.	1.5	0
72	Familial hypertrophic cardiomyopathy: Basic concepts and future molecular diagnostics. <i>Clinical Biochemistry</i> , 2009, 42, 755-765.	0.8	26

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73	A case of hook effect in the serum free light chain assay using the Olympus AU400e. <i>Clinical Biochemistry</i> , 2009, 42, 121-124.	0.8	15
74	Hypercalcemia in a 56-Year-Old Female. <i>Laboratory Medicine</i> , 2008, 39, 23-28.	0.8	1
75	Performance Comparison of Capillary and Agarose Gel Electrophoresis for the Identification and Characterization of Monoclonal Immunoglobulins. <i>American Journal of Clinical Pathology</i> , 2008, 129, 451-458.	0.4	47
76	Persistent Low Concentration of Human Chorionic Gonadotropin in a Nonpregnant Woman. <i>Clinical Chemistry</i> , 2008, 54, 209-213.	1.5	8
77	Stanniocalcin-1 secretion and receptor regulation in kidney cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F788-F794.	1.3	27
78	The respiratory effects of stanniocalcin-1 (STC-1) on intact mitochondria and cells: STC-1 uncouples oxidative phosphorylation and its actions are modulated by nucleotide triphosphates. <i>Molecular and Cellular Endocrinology</i> , 2007, 264, 90-101.	1.6	70
79	Differential G-alpha interaction capacities of the GoLoco motifs in Rap GTPase activating proteins. <i>Cellular Signalling</i> , 2007, 19, 428-438.	1.7	19
80	Biochemistry of amino acid racemization and clinical application to musculoskeletal disease. <i>Clinical Biochemistry</i> , 2006, 39, 1112-1130.	0.8	55
81	G-protein alpha subunit interaction and guanine nucleotide dissociation inhibitor activity of the dual GoLoco motif protein PCP-2 (Purkinje cell protein-2). <i>Cellular Signalling</i> , 2006, 18, 1226-1234.	1.7	22
82	D2 dopamine receptor activation of potassium channels is selectively decoupled by G $\beta\gamma$ -specific GoLoco motif peptides. <i>Journal of Neurochemistry</i> , 2005, 92, 1408-1418.	2.1	61
83	Evidence for stanniocalcin binding activity in mammalian blood and glomerular filtrate. <i>Kidney International</i> , 2005, 67, 477-482.	2.6	23
84	G $\beta\gamma$ selectivity and inhibitor function of the multiple GoLoco motif protein G $\beta\gamma$ SM2/LGN. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1745, 254-264.	1.9	41
85	Nuclear targeting of stanniocalcin to mammary gland alveolar cells during pregnancy and lactation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E634-E642.	1.8	20
86	Mammalian Inscuteable Regulates Spindle Orientation and Cell Fate in the Developing Retina. <i>Neuron</i> , 2005, 48, 539-545.	3.8	123
87	RIC-8 Is Required for GPR-1/2-Dependent G $\beta\gamma$ Function during Asymmetric Division of <i>C. elegans</i> Embryos. <i>Cell</i> , 2004, 119, 219-230.	13.5	186
88	Co-localization of stanniocalcin-1 ligand and receptor in human breast carcinomas. <i>Molecular and Cellular Endocrinology</i> , 2004, 213, 167-172.	1.6	45
89	Targeting of Big Stanniocalcin and Its Receptor to Lipid Storage Droplets of Ovarian Steroidogenic Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 49549-49554.	1.6	49
90	Characterization of Mammalian Stanniocalcin Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 45249-45258.	1.6	112

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91	Evidence for calcium-sensing receptor mediated stanniocalcin secretion in fish. <i>Molecular and Cellular Endocrinology</i> , 2002, 186, 111-119.	1.6	53
92	Ovarian Stanniocalcin in Trout Is Differentially Glycosylated and Preferentially Expressed in Early Stage Oocytes. <i>Biology of Reproduction</i> , 2001, 65, 763-770.	1.2	16
93	Does Diabetes Alter CSF Total Protein Levels? A Retrospective Cohort Study. <i>Neurohospitalist</i> , The, 0, , 194187442110393.	0.3	0