

# Jennifer M Macrae

## List of Publications by Year in descending order

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106  
papers

3,708  
citations

172457

29  
h-index

144013

57  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations between Hemodialysis Access Type and Clinical Outcomes. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 465-473.	6.1	560
2	Overview of the Alberta Kidney Disease Network. <i>BMC Nephrology</i> , 2009, 10, 30.	1.8	221
3	Central Vein Stenosis: A Common Problem in Patients on Hemodialysis. <i>ASAIO Journal</i> , 2005, 51, 77-81.	1.6	216
4	Arteriovenous fistula-associated high-output cardiac failure: a review of mechanisms. <i>American Journal of Kidney Diseases</i> , 2004, 43, e21.1-e21.6.	1.9	202
5	Suboptimal initiation of dialysis with and without early referral to a nephrologist. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 2959-2965.	0.7	136
6	Meta-analysis: Antibiotics for Prophylaxis against Hemodialysis Catheter-Related Infections. <i>Annals of Internal Medicine</i> , 2008, 148, 596.	3.9	132
7	A Randomized Trial Comparing Buttonhole with Rope Ladder Needling in Conventional Hemodialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012, 7, 1632-1638.	4.5	121
8	Examining the Association between Hemodialysis Access Type and Mortality: The Role of Access Complications. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 955-964.	4.5	95
9	Temporal Risk Profile for Infectious and Noninfectious Complications of Hemodialysis Access. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1668-1677.	6.1	91
10	Editorials: The Cardiovascular Effects of Arteriovenous Fistulas in Chronic Kidney Disease: A Cause for Concern?. <i>Seminars in Dialysis</i> , 2006, 19, 349-352.	1.3	83
11	Citrate 4% versus Heparin and the Reduction of Thrombosis Study (CHARTS). <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 369-374.	4.5	83
12	The Effect of Predialysis Fistula Attempt on Risk of All-Cause and Access-Related Death. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 613-620.	6.1	73
13	Arteriovenous Fistula Survival and Needling Technique: Long-term Results From a Randomized Buttonhole Trial. <i>American Journal of Kidney Diseases</i> , 2014, 63, 636-642.	1.9	69
14	Oral estrogen therapy in postmenopausal women is associated with loss of kidney function. <i>Kidney International</i> , 2008, 74, 370-376.	5.2	68
15	Arteriovenous Access Failure, Stenosis, and Thrombosis. <i>Canadian Journal of Kidney Health and Disease</i> , 2016, 3, 205435811666912.	1.1	65
16	Canadian Society of Nephrology Guidelines for the Management of Patients With ESRD Treated With Intensive Hemodialysis. <i>American Journal of Kidney Diseases</i> , 2013, 62, 187-198.	1.9	62
17	Hemodialysis Tunneled Catheter-Related Infections. <i>Canadian Journal of Kidney Health and Disease</i> , 2016, 3, 205435811666912.	1.1	58
18	Wave-intensity analysis: a new approach to left ventricular filling dynamics. <i>Heart and Vessels</i> , 1997, 12, 53-59.	1.2	56

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19	Preemptive Correction of Arteriovenous Access Stenosis: A Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>American Journal of Kidney Diseases</i> , 2016, 67, 446-460.	1.9	56
20	Use of Electron-Beam Sterilized Hemodialysis Membranes and Risk of Thrombocytopenia. <i>JAMA - Journal of the American Medical Association</i> , 2011, 306, 1679.	7.4	55
21	A Clinical Risk Prediction Tool for 6-Month Mortality After Dialysis Initiation Among Older Adults. <i>American Journal of Kidney Diseases</i> , 2017, 69, 568-575.	1.9	51
22	Emergency Department Use among Patients with CKD: A Population-Based Analysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 304-314.	4.5	47
23	Randomized Crossover Trial of Blood Volume Monitoringâ€“Guided Ultrafiltration Biofeedback to Reduce Intradialytic Hypotensive Episodes with Hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 1831-1840.	4.5	47
24	Hemoglobin Variability in Nondialysis Chronic Kidney Disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2009, 4, 1176-1182.	4.5	44
25	Hemodialysis Tunneled Catheter Noninfectious Complications. <i>Canadian Journal of Kidney Health and Disease</i> , 2016, 3, 205435811666913.	1.1	39
26	Practical Aspects of Nontunneled and Tunneled Hemodialysis Catheters. <i>Canadian Journal of Kidney Health and Disease</i> , 2016, 3, 205435811666912.	1.1	34
27	Comorbidities Do not Influence Primary Fistula Success in Incident Hemodialysis Patients. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 78-84.	4.5	33
28	The buttonhole technique for fistula cannulation. <i>Current Opinion in Nephrology and Hypertension</i> , 2013, 22, 629-636.	2.0	32
29	Morphometric and Biological Characterization of Biofilm in Tunneled Hemodialysis Catheters. <i>American Journal of Kidney Diseases</i> , 2011, 57, 449-455.	1.9	31
30	Urea Clearance in Dysfunctional Catheters Is Improved by Reversing the Line Position Despite Increased Access Recirculation. <i>American Journal of Kidney Diseases</i> , 2005, 45, 883-890.	1.9	29
31	Vascular Access for Intensive Maintenance Hemodialysis: A Systematic Review for a Canadian Society of Nephrology Clinical Practice Guideline. <i>American Journal of Kidney Diseases</i> , 2013, 62, 112-131.	1.9	29
32	Can economic incentives increase the use of home dialysis?. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 731-741.	0.7	29
33	Report of the Canadian Society of Nephrology Vascular Access Working Group. <i>Seminars in Dialysis</i> , 2012, 25, 22-25.	1.3	28
34	Physical activity for people with chronic kidney disease: an international survey of nephrologist practice patterns and research priorities. <i>BMJ Open</i> , 2019, 9, e032322.	1.9	26
35	A Dedicated Vascular access Program can Improve Arteriovenous Fistula Rates without Increasing Catheters. <i>Journal of Vascular Access</i> , 2008, 9, 254-259.	0.9	25
36	Arteriovenous Access. <i>Canadian Journal of Kidney Health and Disease</i> , 2016, 3, 205435811666912.	1.1	23

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37	Arteriovenous Vascular Access Selection and Evaluation. Canadian Journal of Kidney Health and Disease, 2016, 3, 205435811666912.	1.1	21
38	Impact of intradialytic exercise intensity on urea clearance in hemodialysis patients. Applied Physiology, Nutrition and Metabolism, 2018, 43, 101-104.	1.9	21
39	The role of exercise in improving patient-reported outcomes in individuals on dialysis: A scoping review. Seminars in Dialysis, 2019, 32, 336-350.	1.3	21
40	Global Policy Barriers and Enablers to Exercise and Physical Activity in Kidney Care. , 2022, 32, 441-449.		21
41	Vascular access and cardiac disease: is there a relationship?. Current Opinion in Nephrology and Hypertension, 2006, 15, 577-582.	2.0	20
42	Surveillance cultures of tunneled cuffed catheter exit sites in chronic hemodialysis patients are of no benefit. Hemodialysis International, 2006, 10, 365-370.	0.9	20
43	Programmatic Variation in Home Hemodialysis in Canada: Results from a Nationwide Survey of Practice Patterns. Canadian Journal of Kidney Health and Disease, 2014, 1, 11.	1.1	19
44	Dialysate Calcium Concentration and Mineral Metabolism in Long and Long-Frequent Hemodialysis: A Systematic Review and Meta-analysis for a Canadian Society of Nephrology Clinical Practice Guideline. American Journal of Kidney Diseases, 2013, 62, 97-111.	1.9	18
45	The association between intradialytic exercise and hospital usage among hemodialysis patients. Applied Physiology, Nutrition and Metabolism, 2015, 40, 371-378.	1.9	17
46	Multi-Disciplinary Vascular Access Care and Access Outcomes in People Starting Hemodialysis Therapy. Clinical Journal of the American Society of Nephrology: CJASN, 2017, 12, 1991-1999.	4.5	16
47	Management of Outpatient Hemodialysis During the COVID-19 Pandemic: Recommendations From the Canadian Society of Nephrology COVID-19 Rapid Response Team. Canadian Journal of Kidney Health and Disease, 2020, 7, 205435812093856.	1.1	16
48	The care and keeping of vascular access for home hemodialysis patients. Hemodialysis International, 2015, 19, S80-92.	0.9	15
49	Outcomes of the First and Second Hemodialysis Fistula: A Cohort Study. American Journal of Kidney Diseases, 2019, 73, 62-71.	1.9	15
50	Anticoagulation in CKD and ESRD. Journal of Nephrology, 2019, 32, 719-731.	2.0	15
51	A simple method to create buttonhole cannulation tracks in a busy hemodialysis unit. Hemodialysis International, 2010, 14, 94-95.	0.9	14
52	Serum uric acid level, blood pressure, and vascular angiotensin II responsiveness in healthy men and women. Physiological Reports, 2014, 2, e12235.	1.7	14
53	Evaluation of an electronic warfarin nomogram for anticoagulation of hemodialysis patients. BMC Nephrology, 2011, 12, 46.	1.8	13
54	Sex differences in associations between insulin resistance, heart rate variability, and arterial stiffness in healthy women and men: a physiology study. Canadian Journal of Physiology and Pharmacology, 2017, 95, 349-355.	1.4	13

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55	Technique Failure in a Multicenter Canadian Home Hemodialysis Cohort. American Journal of Kidney Diseases, 2019, 73, 230-239.	1.9	13
56	Utilization and Outcome of "Out-of-Center Hemodialysis"™ in the United States: A Contemporary Analysis. Nephron Clinical Practice, 2010, 116, c53-c59.	2.3	12
57	Increased urinary protein excretion in the "normal" range is associated with increased renin-angiotensin system activity. American Journal of Physiology - Renal Physiology, 2012, 302, F526-F532.	2.7	12
58	Pre-emptive correction for haemodialysis arteriovenous access stenosis. The Cochrane Library, 2016, , CD010709.	2.8	12
59	Modeling Survival of Arteriovenous Accesses for Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1243-1248.	4.5	11
60	The VITAH Trial Vitamin D supplementation and cardiac autonomic tone in hemodialysis: a blinded, randomized controlled trial. BMC Nephrology, 2014, 15, 129.	1.8	11
61	Role of Vascular Function in Predicting Arteriovenous Fistula Outcomes: An Observational Pilot Study. Canadian Journal of Kidney Health and Disease, 2015, 2, 55.	1.1	11
62	Effectiveness and Cost of Weekly Recombinant Tissue Plasminogen Activator Hemodialysis Catheter Locking Solution. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 429-435.	4.5	11
63	CPAP Therapy Delays Cardiovascular Reactivation and Decreases Arterial Renin-Angiotensin System Activity in Humans With Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2018, 14, 1509-1520.	2.6	11
64	Extravascular Lung Water and Peripheral Volume Status in Hemodialysis Patients With and Without a History of Heart Failure. ASAIO Journal, 2006, 52, 423-429.	1.6	10
65	Determining Lung Water Volume in Stable Hemodialysis Patients. ASAIO Journal, 2006, 52, 430-437.	1.6	10
66	Pneumatic compression devices during hemodialysis: a randomized crossover trial. Nephrology Dialysis Transplantation, 2013, 28, 982-990.	0.7	10
67	Risk Factors Associated with Hemodialysis Central Venous Catheter Malfunction; A Retrospective Analysis of a Randomized Controlled Trial. Canadian Journal of Kidney Health and Disease, 2014, 1, 15.	1.1	10
68	Buttonhole versus Stepladder Cannulation for Home Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2019, 14, 403-410.	4.5	10
69	Canadian Society of Nephrology COVID-19 Rapid Response Team Home Dialysis Recommendations. Canadian Journal of Kidney Health and Disease, 2020, 7, 205435812092815.	1.1	10
70	Ultrafiltration biofeedback guided by blood volume monitoring to reduce intradialytic hypotensive episodes in hemodialysis: study protocol for a randomized controlled trial. Trials, 2014, 15, 483.	1.6	9
71	Central venous catheters for chronic hemodialysis: Is "elast choice" never the "right choice"? Seminars in Dialysis, 2018, 31, 3-10.	1.3	9
72	Vascular Access Practice Patterns in Canada: A National Survey. Canadian Journal of Kidney Health and Disease, 2018, 5, 205435811875967.	1.1	9

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73	Hemodialysis prescription education decreases intradialytic hypotension. <i>Journal of Nephrology</i> , 2013, 26, 315-322.	2.0	8
74	25-Hydroxyvitamin D status, arterial stiffness and the renin-angiotensin system in healthy humans. <i>Clinical and Experimental Hypertension</i> , 2014, 36, 386-391.	1.3	8
75	IgA nephropathy with early kidney disease is associated with increased arterial stiffness and renin-angiotensin system activity. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2015, 16, 521-528.	1.7	8
76	An Exploratory Study of Person-Centered Care in a Large Urban Hemodialysis Program in Canada Using a Qualitative Case-Study Methodology. <i>Canadian Journal of Kidney Health and Disease</i> , 2019, 6, 205435811987153.	1.1	8
77	The effect of non-oral hormonal contraceptives on hypertension and blood pressure: A systematic review and meta-analysis. <i>Physiological Reports</i> , 2022, 10, e15267.	1.7	8
78	Sex influences the effect of body mass index on the vascular response to angiotensin II in humans. <i>Obesity</i> , 2014, 22, 739-746.	3.0	7
79	The VITAH Trial-Vitamin D Supplementation and Cardiac Autonomic Tone in Patients with End-Stage Kidney Disease on Hemodialysis: A Blinded, Randomized Controlled Trial. <i>Nutrients</i> , 2016, 8, 608.	4.1	7
80	Cultivating Innovative Pragmatic Cluster-Randomized Registry Trials Embedded in Hemodialysis Care: Workshop Proceedings From 2018. <i>Canadian Journal of Kidney Health and Disease</i> , 2019, 6, 205435811989439.	1.1	7
81	Should Buttonhole Cannulation of Arteriovenous Fistulas Be Used? CON. <i>Kidney360</i> , 2020, 1, 322-325.	2.1	7
82	Reasons for Nonparticipation in a Sustained Hemodialysis Intradialytic Exercise Program. , 2021, 31, 421-426.		7
83	The effect of citrate dialysate on intradialytic heparin dose in haemodialysis patients: study design of a randomised controlled trial. <i>BMC Nephrology</i> , 2015, 16, 147.	1.8	6
84	Citrate vs. acetate dialysate on intradialytic heparin dose: A double blind randomized crossover study. <i>Hemodialysis International</i> , 2016, 20, 537-547.	0.9	6
85	The Influence of Age on the Likelihood of Catheter-Free Fistula Use in Hemodialysis Patients. <i>Canadian Journal of Kidney Health and Disease</i> , 2019, 6, 205435811986194.	1.1	6
86	Sex differences in the vascular access of hemodialysis patients: a cohort study. <i>CKJ: Clinical Kidney Journal</i> , 2021, 14, 1412-1418.	2.9	6
87	Addressing feasibility challenges to delivering intradialytic exercise interventions: a theory-informed qualitative study. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 558-574.	0.7	6
88	Derivation and Internal Validation of a Clinical Risk Prediction Tool for Hyperkalemia-Related Emergency Department Encounters Among Hemodialysis Patients. <i>Canadian Journal of Kidney Health and Disease</i> , 2020, 7, 205435812095328.	1.1	5
89	CSN COVID-19 Rapid Review Program: Management of Acute Kidney Injury. <i>Canadian Journal of Kidney Health and Disease</i> , 2020, 7, 205435812094167.	1.1	5
90	In-center nocturnal hemodialysis improves health-related quality of life for patients with end-stage renal disease. <i>Journal of Nephrology</i> , 2021, , 1.	2.0	5

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91	Buttonhole Cannulation Technique as the Cannulation Method of Choice. American Journal of Kidney Diseases, 2014, 63, 165.	1.9	4
92	An International Delphi Survey on Exercise Priorities in CKD. Kidney International Reports, 2021, 6, 657-668.	0.8	4
93	Conservative Management of an Iatrogenic Arteriovenous Fistula. Nephron Extra, 2014, 4, 155-158.	1.1	3
94	Impact of using two dialyzers in parallel on phosphate clearance in hemodialysis patients: a randomized trial. Nephrology Dialysis Transplantation, 2016, 32, gfw085.	0.7	3
95	Four steps to standardize reporting of peritoneal dialysis technique failure: A proposed approach. Peritoneal Dialysis International, 2020, , 089686082097693.	2.3	3
96	SARS-CoV-2 Shedding in Dialysis Patients With COVID-19. Kidney International Reports, 2021, 6, 2897-2899.	0.8	3
97	Understanding Home Hemodialysis Patient Attrition: A Cohort Study. Canadian Journal of Kidney Health and Disease, 2021, 8, 205435812110221.	1.1	3
98	Anti-IL-4 Allergic hormone and vascular dysfunction in women with chronic kidney disease. Physiological Reports, 2022, 10, e15154.	1.7	3
99	Sex influences the effect of adiposity on arterial stiffness and renin-angiotensin aldosterone system activity in young adults. Endocrinology, Diabetes and Metabolism, 2022, 5, e00317.	2.4	3
100	A comparison of temporal artery thermometers with internal blood monitors to measure body temperature during hemodialysis. BMC Nephrology, 2018, 19, 137.	1.8	2
101	Return on investment of the diabetes foot care clinical pathway implementation in Alberta, Canada. Diabetes Research and Clinical Practice, 2020, 165, 108241.	2.8	2
102	Progress in Dialysis Practice: An Introduction. Seminars in Dialysis, 2014, 27, 85-86.	1.3	1
103	In Reply to "Buttonhole Cannulation: The Jury is Still Out". American Journal of Kidney Diseases, 2014, 64, 658.	1.9	1
104	Extracellular fluid management and hypertension in urban dwelling versus rural dwelling hemodialysis patients. Journal of Nephrology, 2018, 31, 103-110.	2.0	1
105	Vascular Access Core Curriculum. Canadian Journal of Kidney Health and Disease, 2016, 3, 205435811667392.	1.1	0
106	Canadian Association of Paediatric Nephrologists COVID-19 Rapid Response: Home and In-Center Dialysis Guidance. Canadian Journal of Kidney Health and Disease, 2021, 8, 205435812110534.	1.1	0