

# George J Schwartz

## List of Publications by Year in descending order

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116  
papers

13,241  
citations

81900

39  
h-index

24258

110  
g-index

130  
all docs

130  
docs citations

130  
times ranked

10867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal changes in uric acid concentration and their relationship with chronic kidney disease progression in children and adolescents. <i>Pediatric Nephrology</i> , 2023, 38, 489-497.	1.7	2
2	Low variability of plant protein intake in the CKiD cohort does not demonstrate changes in estimated GFR nor electrolyte balance. <i>Pediatric Nephrology</i> , 2022, 37, 1647-1655.	1.7	1
3	Self-reported Race, Serum Creatinine, Cystatin C, and GFR in Children and Young Adults With Pediatric Kidney Diseases: A Report From the Chronic Kidney Disease in Children (CKiD) Study. <i>American Journal of Kidney Diseases</i> , 2022, 80, 174-185.e1.	1.9	6
4	Maturation of GFR in Term-Born Neonates: An Individual Participant Data Meta-Analysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 1277-1292.	6.1	18
5	Age- and sex-dependent clinical equations to estimate glomerular filtration rates in children and young adults with chronic kidney disease. <i>Kidney International</i> , 2021, 99, 948-956.	5.2	150
6	Estimation of Albumin-Creatinine Ratio From Protein-Creatinine Ratio in Urine of Children and Adolescents With CKD. <i>American Journal of Kidney Diseases</i> , 2021, 77, 824-827.	1.9	8
7	Racial Adjustment Adversely Affects Glomerular Filtration Estimates in Black Americans Living with HIV. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2143-2147.	6.1	8
8	Female Sex and Obesity Are Risk Factors for Inadequate Calcium Intake in Youth With Type 1 Diabetes. <i>Frontiers in Clinical Diabetes and Healthcare</i> , 2021, 2, .	0.8	2
9	Recalibration of cystatin C using standardized material in Siemens nephelometers. <i>Pediatric Nephrology</i> , 2020, 35, 279-285.	1.7	19
10	Acidosis induces antimicrobial peptide expression and resistance to uropathogenic <i>E. coli</i> infection in kidney collecting duct cells via HIF-1 $\alpha$ . <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F468-F474.	2.7	12
11	Measured GFR by Utilizing Population Pharmacokinetic Methods to Determine Iohexol Clearance. <i>Kidney International Reports</i> , 2020, 5, 189-198.	0.8	13
12	Metabolic acidosis exacerbates pyelonephritis in mice prone to vesicoureteral reflux. <i>Physiological Reports</i> , 2020, 8, e14525.	1.7	5
13	Lipopolysaccharide directly inhibits bicarbonate absorption by the renal outer medullary collecting duct. <i>Scientific Reports</i> , 2020, 10, 20548.	3.3	1
14	Developmental loss, but not pharmacological suppression, of renal carbonic anhydrase 2 results in pyelonephritis susceptibility. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F1441-F1453.	2.7	7
15	Low Serum Bicarbonate and CKD Progression in Children. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2020, 15, 755-765.	4.5	30
16	Cross-Sectional and Longitudinal Performance of Creatinine- and Cystatin C-Based Estimating Equations Relative to Exogenously Measured Glomerular Filtration Rate in HIV-Positive and HIV-Negative Persons. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 85, e58-e66.	2.1	7
17	Whole Transcriptome Analysis of Renal Intercalated Cells Predicts Lipopolysaccharide Mediated Inhibition of Retinoid X Receptor alpha Function. <i>Scientific Reports</i> , 2019, 9, 545.	3.3	16
18	Systematic review: associations of calcium intake, vitamin D intake, and physical activity with skeletal outcomes in people with Type 1 diabetes mellitus. <i>Acta Diabetologica</i> , 2019, 56, 1091-1102.	2.5	16

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19	Iohexol-measured glomerular filtration rate in children and adolescents with chronic kidney disease: a pilot study comparing venous and finger stick methods. <i>Pediatric Nephrology</i> , 2019, 34, 459-464.	1.7	8
20	Estimating Time to ESRD in Children With CKD. <i>American Journal of Kidney Diseases</i> , 2018, 71, 783-792.	1.9	67
21	Cell-specific qRT-PCR of renal epithelial cells reveals a novel innate immune signature in murine collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F812-F823.	2.7	16
22	Multicenter Laboratory Comparison of Iohexol Measurement. <i>Journal of Applied Laboratory Medicine</i> , 2018, 2, 711-724.	1.3	13
23	The authors reply. <i>Kidney International</i> , 2018, 94, 828-829.	5.2	0
24	Combination of pediatric and adult formulas yield valid glomerular filtration rate estimates in young adults with a history of pediatric chronic kidney disease. <i>Kidney International</i> , 2018, 94, 170-177.	5.2	65
25	Renal Response to a Protein Load in Healthy Young Adults as Determined by Iohexol Infusion Clearance, Cimetidine-Inhibited Creatinine Clearance, and Cystatin C Estimated Glomerular Filtration Rate. , 2017, 27, 275-281.		9
26	Relationships of Measured Iohexol GFR and Estimated GFR With CKD-Related Biomarkers in Children and Adolescents. <i>American Journal of Kidney Diseases</i> , 2017, 70, 397-405.	1.9	18
27	Albuminuria, Proteinuria, and Renal Disease Progression in Children with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 912-920.	4.5	57
28	Evidence of disordered calcium metabolism in adolescent girls with type 1 diabetes: An observational study using a dual-stable calcium isotope technique. <i>Bone</i> , 2017, 105, 184-190.	2.9	13
29	Metabolic acidosis stimulates the production of the antimicrobial peptide cathelicidin in rabbit urine. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F1061-F1067.	2.7	10
30	Measurement and Estimation of Glomerular Filtration Rate in Children. <i>Advances in Chronic Kidney Disease</i> , 2017, 24, 348-356.	1.4	148
31	Commentary. <i>Clinical Chemistry</i> , 2017, 63, 814-815.	3.2	0
32	Acute Kidney Injury in Premature, Very Low-Birth-Weight Infants. <i>Journal of Pediatric Intensive Care</i> , 2016, 05, 069-078.	0.8	12
33	Epidemiology of Skeletal Health in Type 1 Diabetes. <i>Current Osteoporosis Reports</i> , 2016, 14, 327-336.	3.6	46
34	Kidney Disease Progression in Autosomal Recessive Polycystic Kidney Disease. <i>Journal of Pediatrics</i> , 2016, 171, 196-201.e1.	1.8	32
35	Estimating residual kidney function in dialysis patients without urine collection. <i>Kidney International</i> , 2016, 89, 1099-1110.	5.2	71
36	Depressive Symptoms in Children with Chronic Kidney Disease. <i>Journal of Pediatrics</i> , 2016, 168, 164-170.e1.	1.8	41

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37	Hyperuricemia and Progression of CKD in Children and Adolescents: The Chronic Kidney Disease in Children (CKiD) Cohort Study. <i>American Journal of Kidney Diseases</i> , 2015, 66, 984-992.	1.9	105
38	Predictors of Rapid Progression of Glomerular and Nonglomerular Kidney Disease in Children and Adolescents: The Chronic Kidney Disease in Children (CKiD) Cohort. <i>American Journal of Kidney Diseases</i> , 2015, 65, 878-888.	1.9	215
39	Estimating GFR in Adult Patients with Hematopoietic Cell Transplant. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 601-610.	4.5	34
40	Distinct $\text{H}^+$ -intercalated cell morphology and its modification by acidosis define regions of the collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F464-F473.	2.7	9
41	Plasma Iohexol Clearance for Assessing Residual Kidney Function in Dialysis Patients. <i>American Journal of Kidney Diseases</i> , 2015, 66, 728-730.	1.9	13
42	SDF1 induction by acidosis from principal cells regulates intercalated cell subtype distribution. <i>Journal of Clinical Investigation</i> , 2015, 125, 4365-4374.	8.2	21
43	Insights into acidosis-induced regulation of SLC26A4 (pendrin) and SLC4A9 (AE4) transporters using three-dimensional morphometric analysis of $\text{H}^+$ -intercalated cells. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F601-F611.	2.7	21
44	Renal function assessment in child and adolescent heart transplant recipients during routine cardiac catheterization. <i>Pediatric Transplantation</i> , 2014, 18, 757-763.	1.0	6
45	Disordered FGF23 and Mineral Metabolism in Children with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 344-353.	4.5	128
46	Nonlinear Trajectory of GFR in Children before RRT. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 913-917.	6.1	21
47	Height: the missing link in estimating glomerular filtration rate in children and adolescents. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 944-947.	0.7	15
48	Carbonic anhydrase 2 deficiency leads to increased pyelonephritis susceptibility. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F869-F880.	2.7	34
49	HIV therapy, metabolic and cardiovascular health are associated with glomerular hyperfiltration among men with and without HIV infection. <i>Aids</i> , 2014, 28, 377-386.	2.2	19
50	Factors Affecting Glomerular Filtration Rate, as Measured by Iohexol Disappearance, in Men with or at Risk for HIV Infection. <i>PLoS ONE</i> , 2014, 9, e86311.	2.5	12
51	Rapid assessment of renal reserve in young adults by cystatin C. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2013, 73, 265-268.	1.2	12
52	Galectin-3 mediates oligomerization of secreted hennin using its carbohydrate-recognition domain. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F90-F99.	2.7	13
53	Renal intercalated cells are rather energized by a proton than a sodium pump. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7928-7933.	7.1	92
54	Estimating Kidney Function in HIV-Infected Adults in Kenya: Comparison to a Direct Measure of Glomerular Filtration Rate by Iohexol Clearance. <i>PLoS ONE</i> , 2013, 8, e69601.	2.5	55

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55	HIV Viremia and T-Cell Activation Differentially Affect the Performance of Glomerular Filtration Rate Equations Based on Creatinine and Cystatin C. PLoS ONE, 2013, 8, e82028.	2.5	35
56	A portable fiberoptic ratiometric fluorescence analyzer provides rapid point-of-care determination of glomerular filtration rate in large animals. Kidney International, 2012, 81, 112-117.	5.2	64
57	Improved equations estimating GFR in children with chronic kidney disease using an immunonephelometric determination of cystatin C. Kidney International, 2012, 82, 445-453.	5.2	430
58	Overview, Structure and Function of the Nephron. , 2012, , 133-168.		0
59	Effect of hydroxyurea treatment on renal function parameters: Results from the multi-center placebo-controlled BABY HUG clinical trial for infants with sickle cell anemia. Pediatric Blood and Cancer, 2012, 59, 668-674.	1.5	94
60	Urological Disorders in Chronic Kidney Disease in Children Cohort: Clinical Characteristics and Estimation of Glomerular Filtration Rate. Journal of Urology, 2011, 186, 1460-1466.	0.4	17
61	Metabolic Abnormalities, Cardiovascular Disease Risk Factors, and GFR Decline in Children with Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2132-2140.	4.5	135
62	Pediatric GFR Estimating Equations Applied to Adolescents in the General Population. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 1427-1435.	4.5	98
63	Tests of Kidney Function in Children. , 2011, , 998-1008.		1
64	Universal GFR determination based on two time points during plasma iohexol disappearance. Kidney International, 2011, 80, 423-430.	5.2	48
65	Optimizing iohexol plasma disappearance curves to measure the glomerular filtration rate in children with chronic kidney disease. Kidney International, 2010, 77, 65-71.	5.2	57
66	Adaptation to metabolic acidosis and its recovery are associated with changes in anion exchanger distribution and expression in the cortical collecting duct. Kidney International, 2010, 78, 993-1005.	5.2	41
67	New Equations to Estimate GFR in Children with CKD. Journal of the American Society of Nephrology: JASN, 2009, 20, 629-637.	6.1	2,853
68	Secreted Cyclophilin A, a Peptidylprolyl cis-trans Isomerase, Mediates Matrix Assembly of Hensin, a Protein Implicated in Epithelial Differentiation. Journal of Biological Chemistry, 2009, 284, 6465-6475.	3.4	38
69	Measurement and Estimation of GFR in Children and Adolescents. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1832-1843.	4.5	764
70	Longitudinal Formulas to Estimate GFR in Children with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1724-1730.	4.5	15
71	Validation of creatinine assays utilizing HPLC and IDMS traceable standards in sera of children. Pediatric Nephrology, 2009, 24, 113-119.	1.7	41
72	Age, Gender, and Race Effects on Cystatin C Levels in US Adolescents. Clinical Journal of the American Society of Nephrology: CJASN, 2008, 3, 1777-1785.	4.5	114

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73	Estimating and measuring glomerular filtration rate in children. <i>Current Opinion in Nephrology and Hypertension</i> , 2008, 17, 320-325.	2.0	35
74	Diagnosis of distal renal tubular acidosis: use of furosemide plus fludrocortisone versus ammonium chloride. <i>Nature Clinical Practice Nephrology</i> , 2007, 3, 590-591.	2.0	5
75	Glomerular filtration rate measurement and estimation in chronic kidney disease. <i>Pediatric Nephrology</i> , 2007, 22, 1839-1848.	1.7	238
76	The Kallikrein-Kinin System in Sickle Cell Nephropathy: Does it Play a Role?. <i>Journal of Pediatric Hematology/Oncology</i> , 2006, 28, 111-114.	0.6	6
77	Glomerular filtration rate via plasma iohexol disappearance: Pilot study for chronic kidney disease in children. <i>Kidney International</i> , 2006, 69, 2070-2077.	5.2	215
78	Endothelin and nitric oxide mediate adaptation of the cortical collecting duct to metabolic acidosis. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F866-F873.	2.7	21
79	Galectin-3 expression is induced in renal $\text{I}^2$ -intercalated cells during metabolic acidosis. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F148-F158.	2.7	32
80	Design and Methods of the Chronic Kidney Disease in Children (CKiD) Prospective Cohort Study. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2006, 1, 1006-1015.	4.5	339
81	Clinical assessment of renal function. , 2006, , 71-93.		3
82	Role of hensin in mediating the adaptation of the cortical collecting duct to metabolic acidosis. <i>Current Opinion in Nephrology and Hypertension</i> , 2005, 14, 383-388.	2.0	24
83	Cyclosporin A produces distal renal tubular acidosis by blocking peptidyl prolyl cis-trans isomerase activity of cyclophilin. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F40-F47.	2.7	59
84	Expression of membrane-associated carbonic anhydrase isoforms IV, IX, XII, and XIV in the rabbit: induction of CA IV and IX during maturation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R1256-R1263.	1.8	32
85	A fork in the road of cell differentiation in the kidney tubule. <i>Journal of Clinical Investigation</i> , 2004, 113, 1528-1530.	8.2	22
86	Nitric Oxide Production Modulates Cyclosporin A-Induced Distal Renal Tubular Acidosis in the Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 840-845.	2.5	20
87	Development of Function in the Metanephric Kidney. , 2003, , 267-325.		11
88	Carbonic anhydrase XII mRNA encodes a hydratase that is differentially expressed along the rabbit nephron. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, F399-F410.	2.7	7
89	National Kidney Foundation's Kidney Disease Outcomes Quality Initiative Clinical Practice Guidelines for Chronic Kidney Disease in Children and Adolescents: Evaluation, Classification, and Stratification. <i>Pediatrics</i> , 2003, 111, 1416-1421.	2.1	566
90	Acid incubation reverses the polarity of intercalated cell transporters, an effect mediated by hensin. <i>Journal of Clinical Investigation</i> , 2002, 109, 89-99.	8.2	76

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91	Acid incubation reverses the polarity of intercalated cell transporters, an effect mediated by hensen. Journal of Clinical Investigation, 2002, 109, 89-99.	8.2	55
92	Physiology and molecular biology of renal carbonic anhydrase. Journal of Nephrology, 2002, 15 Suppl 5, S61-74.	2.0	28
93	Role of basolateral carbonic anhydrase in proximal tubular fluid and bicarbonate absorption. American Journal of Physiology - Renal Physiology, 2001, 280, F146-F154.	2.7	34
94	Plasticity of Intercalated Cell Polarity: Effect of Metabolic Acidosis. Nephron, 2001, 87, 304-313.	1.8	12
95	Maturation of carbonic anhydrase IV expression in rabbit kidney. American Journal of Physiology - Renal Physiology, 2001, 280, F895-F903.	2.7	24
96	Carbonic anhydrase IV is expressed in H <sup>+</sup> -secreting cells of rabbit kidney. American Journal of Physiology - Renal Physiology, 2000, 278, F894-F904.	2.7	33
97	Cloning of Rabbit Cct6 and the Distribution of the Cct Complex in Mammalian Tissues. Nephron Experimental Nephrology, 2000, 8, 152-160.	2.2	1
98	Postnatal development of carbonic anhydrase IV expression in rabbit kidney. American Journal of Physiology - Renal Physiology, 1999, 276, F510-F520.	2.7	16
99	Mechanisms of HCO <sub>3</sub> <sup>-</sup> secretion in the rabbit connecting segment. American Journal of Physiology - Renal Physiology, 1999, 277, F567-F574.	2.7	13
100	Commentary on "The use of the artificial kidney in the treatment of uremia". Journal of Urban Health, 1998, 75, 919-921.	3.6	0
101	HCO <sub>3</sub> <sup>-</sup> absorption in rabbit outer medullary collecting duct: role of luminal carbonic anhydrase. American Journal of Physiology - Renal Physiology, 1998, 274, F139-F147.	2.7	10
102	Carbonic anhydrase II and IV mRNA in rabbit nephron segments: stimulation during metabolic acidosis. American Journal of Physiology - Renal Physiology, 1998, 274, F259-F267.	2.7	22
103	Adaptation of the outer medullary collecting duct to metabolic acidosis in vitro. American Journal of Physiology - Renal Physiology, 1998, 275, F982-F990.	2.7	12
104	Postnatal Differentiation of Rabbit Collecting Duct Intercalated Cells. Pediatric Research, 1996, 39, 1-12.	2.3	31
105	Does k <sub>L</sub> /PCr estimate GFR, or does GFR determine k <sub>L</sub> ? Pediatric Nephrology, 1992, 6, 512-515.	1.7	48
106	Micro-method for the measurement of carbonic anhydrase activity in cellular homogenates. Analytical Biochemistry, 1988, 175, 289-297.	2.4	58
107	Postnatal maturation of the rabbit cortical collecting duct. Pediatric Nephrology, 1988, 2, 135-145.	1.7	35
108	The Use of Plasma Creatinine Concentration for Estimating Glomerular Filtration Rate in Infants, Children, and Adolescents. Pediatric Clinics of North America, 1987, 34, 571-590.	1.8	1,509

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109	A simple estimate of glomerular filtration rate in low birth weight infants during the first year of life: Noninvasive assessment of body composition and growth. <i>Journal of Pediatrics</i> , 1986, 109, 698-707.	1.8	150
110	Reliability of Plasma Creatinine Measurement in Infants and Children. <i>Clinical Pediatrics</i> , 1986, 25, 569-572.	0.8	19
111	Plasticity of functional epithelial polarity. <i>Nature</i> , 1985, 318, 368-371.	27.8	317
112	A simple estimate of glomerular filtration rate in adolescent boys. <i>Journal of Pediatrics</i> , 1985, 106, 522-526.	1.8	366
113	A simple estimate of glomerular filtration rate in full-term infants during the first year of life. <i>Journal of Pediatrics</i> , 1984, 104, 849-854.	1.8	415
114	Geometric method for measuring body surface area: A height-weight formula validated in infants, children, and adults. <i>Journal of Pediatrics</i> , 1978, 93, 62-66.	1.8	1,462
115	p-Aminohippurate Transport in the Proximal Straight Tubule: Development and Substrate Stimulation. <i>Pediatric Research</i> , 1978, 12, 793-796.	2.3	27
116	Plasma creatinine and urea concentration in children: Normal values for age and sex. <i>Journal of Pediatrics</i> , 1976, 88, 828-830.	1.8	199