

# Brian Becknell

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,564  
citations

331670

21  
h-index

315739

38  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urothelial progenitors in development and repair. <i>Pediatric Nephrology</i> , 2022, 37, 1721-1731.	1.7	3
2	Selective modulator of nuclear receptor PPAR $\delta$ with reduced adipogenic potential ameliorates experimental nephrotic syndrome. <i>IScience</i> , 2022, 25, 104001.	4.1	3
3	Prediction of kidney failure in children with chronic kidney disease and obstructive uropathy. <i>Pediatric Nephrology</i> , 2021, 36, 111-118.	1.7	6
4	Neutrophil-Macrophage Imbalance Drives the Development of Renal Scarring during Experimental Pyelonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 69-85.	6.1	9
5	Innate immunity and urinary tract infection. <i>Pediatric Nephrology</i> , 2020, 35, 1183-1192.	1.7	30
6	Trans IL-6 signaling does not appear to play a role in renal scarring after urinary tract infection. <i>Journal of Pediatric Urology</i> , 2020, 16, 586-591.	1.1	3
7	Roles for urothelium in normal and aberrant urinary tract development. <i>Nature Reviews Urology</i> , 2020, 17, 459-468.	3.8	18
8	Impact of successful pediatric ureteropelvic junction obstruction surgery on urinary HIP/PAP and BD-1 levels. <i>Journal of Pediatric Urology</i> , 2020, 16, 592.e1-592.e7.	1.1	4
9	Longitudinal kidney injury biomarker trajectories in children with obstructive uropathy. <i>Pediatric Nephrology</i> , 2020, 35, 1907-1914.	1.7	8
10	Krt5 <sup>+</sup> urothelial cells are developmental and tissue repair progenitors in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F757-F766.	2.7	5
11	Albuminuria in Pediatric Neurogenic Bladder: Identifying an Earlier Marker of Renal Disease. <i>Urology</i> , 2019, 133, 199-203.	1.0	6
12	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
13	Analysis of the Ribonuclease A Superfamily of Antimicrobial Peptides in Patients Undergoing Chronic Peritoneal Dialysis. <i>Scientific Reports</i> , 2019, 9, 7753.	3.3	3
14	Ribonuclease 7 Shields the Kidney and Bladder from Invasive Uropathogenic Escherichia coli Infection. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1385-1397.	6.1	24
15	The Responses of the Ribonuclease A Superfamily to Urinary Tract Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2786.	4.8	11
16	Urinary Tract Infections. <i>Pediatric Clinics of North America</i> , 2019, 66, 1-13.	1.8	30
17	Common clinical markers predict end-stage renal disease in children with obstructive uropathy. <i>Pediatric Nephrology</i> , 2019, 34, 443-448.	1.7	11
18	Differentiating Asymptomatic Bacteriuria From Urinary Tract Infection in the Pediatric Neurogenic Bladder Population: NGAL As a Promising Biomarker. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2019, 25, 214-221.	1.8	8

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19	Implications of Bacteriuria in Myelomeningocele Patients at Time of Urodynamic Testing. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2019, 25, 241-247.	1.8	4
20	Interleukin-6/Stat3 signaling has an essential role in the host antimicrobial response to urinary tract infection. <i>Kidney International</i> , 2018, 93, 1320-1329.	5.2	51
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	X-Linked Glomerulopathy Due to COL4A5 Founder Variant. <i>American Journal of Kidney Diseases</i> , 2018, 71, 441-445.	1.9	5
23	The uroplakin plaque promotes renal structural integrity during congenital and acquired urinary tract obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1019-F1031.	2.7	6
24	Novel role for androgen signaling in pyelonephritis. <i>Kidney International</i> , 2018, 94, 455-457.	5.2	1
25	Insulin receptor signaling regulates renal collecting duct and intercalated cell antibacterial defenses. <i>Journal of Clinical Investigation</i> , 2018, 128, 5634-5646.	8.2	33
26	Inflammation drives renal scarring in experimental pyelonephritis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F43-F53.	2.7	42
27	A Review of Ribonuclease 7's Structure, Regulation, and Contributions to Host Defense. <i>International Journal of Molecular Sciences</i> , 2016, 17, 423.	4.1	49
28	Renal epithelial miR-205 expression correlates with disease severity in a mouse model of congenital obstructive nephropathy. <i>Pediatric Research</i> , 2016, 80, 602-609.	2.3	5
29	Baclofen Toxicity Responsive to Hemodialysis in a Pediatric Patient with Acute Kidney Injury. <i>Journal of Pediatric Intensive Care</i> , 2016, 05, 037-040.	0.8	3
30	Uroepithelial thickening improves detection of vesicoureteral reflux in infants with prenatal hydronephrosis. <i>Journal of Pediatric Urology</i> , 2016, 12, 257.e1-257.e7.	1.1	8
31	Insulin and the phosphatidylinositol 3-kinase signaling pathway regulate Ribonuclease 7 expression in the human urinary tract. <i>Kidney International</i> , 2016, 90, 568-579.	5.2	29
32	Polymorphisms in $\beta$ -Defensin Encoding DEFA1A3 Associate with Urinary Tract Infection Risk in Children with Vesicoureteral Reflux. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3175-3186.	6.1	31
33	Expression and Significance of the HIP/PAP and RegIII Antimicrobial Peptides during Mammalian Urinary Tract Infection. <i>PLoS ONE</i> , 2015, 10, e0144024.	2.5	18
34	Urine Stasis Predisposes to Urinary Tract Infection by an Opportunistic Uropathogen in the Megabladder (Mgb) Mouse. <i>PLoS ONE</i> , 2015, 10, e0139077.	2.5	4
35	Uroepithelial Thickening on Sonography Improves Detection of Vesicoureteral Reflux in Children with First Febrile Urinary Tract Infection. <i>Journal of Urology</i> , 2015, 194, 1074-1079.	0.4	14
36	Ribonucleases 6 and 7 have antimicrobial function in the human and murine urinary tract. <i>Kidney International</i> , 2015, 87, 151-161.	5.2	75

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37	Amplifying renal immunity: the role of antimicrobial peptides in pyelonephritis. <i>Nature Reviews Nephrology</i> , 2015, 11, 642-655.	9.6	70
38	The diagnosis, evaluation and treatment of acute and recurrent pediatric urinary tract infections. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 81-90.	4.4	96
39	The Interaction between Enterobacteriaceae and Calcium Oxalate Deposits. <i>PLoS ONE</i> , 2015, 10, e0139575.	2.5	95
40	Hemodialysis for Near-Fatal Sodium Phosphate Toxicity in a Child Receiving Sodium Phosphate Enemas. <i>Pediatric Emergency Care</i> , 2014, 30, 814-817.	0.9	8
41	The innate immune response during urinary tract infection and pyelonephritis. <i>Pediatric Nephrology</i> , 2014, 29, 1139-1149.	1.7	121
42	Carbonic anhydrase 2 deficiency leads to increased pyelonephritis susceptibility. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F869-F880.	2.7	34
43	Struvite Urolithiasis and Chronic Urinary Tract Infection in a Murine Model of Urinary Diversion. <i>Urology</i> , 2013, 81, 943-948.	1.0	11
44	Expression and Antimicrobial Function of Beta-Defensin 1 in the Lower Urinary Tract. <i>PLoS ONE</i> , 2013, 8, e77714.	2.5	41
45	Molecular Basis of Renal Adaptation in a Murine Model of Congenital Obstructive Nephropathy. <i>PLoS ONE</i> , 2013, 8, e72762.	2.5	15
46	A new $\alpha$ -defensin for childhood nephrotic syndrome. <i>Kidney International</i> , 2012, 82, 1049-1051.	5.2	1
47	Impact of urinary tract infection on inpatient healthcare for congenital obstructive uropathy. <i>Journal of Pediatric Urology</i> , 2012, 8, 470-476.	1.1	4
48	Urinary Diversion via Cutaneous Vesicostomy in the Megabladder Mouse. <i>Methods in Molecular Biology</i> , 2012, 886, 393-402.	0.9	4
49	Ultrasound Imaging of the Murine Kidney. <i>Methods in Molecular Biology</i> , 2012, 886, 403-410.	0.9	10
50	Human Alpha Defensin 5 Expression in the Human Kidney and Urinary Tract. <i>PLoS ONE</i> , 2012, 7, e31712.	2.5	69
51	Hepatoblastoma and prune belly syndrome: a potential association. <i>Pediatric Nephrology</i> , 2011, 26, 1269-1273.	1.7	11
52	Novel X-linked glomerulopathy is associated with a COL4A5 missense mutation in a non-collagenous interruption. <i>Kidney International</i> , 2011, 79, 120-127.	5.2	16
53	Steroid Sensitive and Steroid Resistant Nephrotic Syndrome. , 2011, , 175-200.		0
54	Natural Killer Cells in Innate Immunity and Cancer. <i>Journal of Immunotherapy</i> , 2008, 31, 685-692.	2.4	45

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55	Hlx homeobox transcription factor negatively regulates interferon- $\hat{1}^3$ production in monokine-activated natural killer cells. <i>Blood</i> , 2007, 109, 2481-2487.	1.4	25
56	Efficient infection of human natural killer cells with an EBV/retroviral hybrid vector. <i>Journal of Immunological Methods</i> , 2005, 296, 115-123.	1.4	35
57	Interleukin-2, Interleukin-15, and Their Roles in Human Natural Killer Cells. <i>Advances in Immunology</i> , 2005, 86, 209-239.	2.2	260
58	Efficient and Reproducible Retroviral Infection of Primary Human Natural Killer Cells.. <i>Blood</i> , 2004, 104, 1348-1348.	1.4	0