Brian Becknell

List of Publications by Year
in descending order

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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	Interleukin-2, Interleukin-15, and Their Roles in Human Natural Killer Cells. Advances in Immunology, 2005, 86, 209-239.	2.2	260
2	The innate immune response during urinary tract infection and pyelonephritis. Pediatric Nephrology, 2014, 29, 1139-1149.	1.7	121
3	The diagnosis, evaluation and treatment of acute and recurrent pediatric urinary tract infections. Expert Review of Anti-Infective Therapy, 2015, 13, 81-90.	4.4	96
4	The Interaction between Enterobacteriaceae and Calcium Oxalate Deposits. PLoS ONE, 2015, 10, e0139575.	2.5	95
5	Ribonucleases 6 and 7 have antimicrobial function in the human and murine urinary tract. Kidney International, 2015, 87, 151-161.	5.2	75
6	Amplifying renal immunity: the role of antimicrobial peptides in pyelonephritis. Nature Reviews Nephrology, 2015, 11, 642-655.	9.6	70
7	Human Alpha Defensin 5 Expression in the Human Kidney and Urinary Tract. PLoS ONE, 2012, 7, e31712.	2.5	69
8	Interleukin-6/Stat3 signaling has an essential role in the host antimicrobial response to urinary tract infection. Kidney International, 2018, 93, 1320-1329.	5.2	51
9	A Review of Ribonuclease 7â€™s Structure, Regulation, and Contributions to Host Defense. International Journal of Molecular Sciences, 2016, 17, 423.	4.1	49
10	Natural Killer Cells in Innate Immunity and Cancer. Journal of Immunotherapy, 2008, 31, 685-692.	2.4	45
11	Inflammation drives renal scarring in experimental pyelonephritis. American Journal of Physiology - Renal Physiology, 2017, 312, F43-F53.	2.7	42
12	Expression and Antimicrobial Function of Beta-Defensin 1 in the Lower Urinary Tract. PLoS ONE, 2013, 8, e77714.	2.5	41
13	Efficient infection of human natural killer cells with an EBV/retroviral hybrid vector. Journal of Immunological Methods, 2005, 296, 115-123.	1.4	35
14	Carbonic anhydrase 2 deficiency leads to increased pyelonephritis susceptibility. American Journal of Physiology - Renal Physiology, 2014, 307, F869-F880.	2.7	34
15	Insulin receptor signaling regulates renal collecting duct and intercalated cell antibacterial defenses. Journal of Clinical Investigation, 2018, 128, 5634-5646.	8.2	33
16	Polymorphisms in Î±-Defensinâ€“Encoding DEFA1A3 Associate with Urinary Tract Infection Risk in Children with Vesicoureteral Reflux. Journal of the American Society of Nephrology: JASN, 2016, 27, 3175-3186.	6.1	31
17	Urinary Tract Infections. Pediatric Clinics of North America, 2019, 66, 1-13.	1.8	30
18	Innate immunity and urinary tract infection. Pediatric Nephrology, 2020, 35, 1183-1192.	1.7	30

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19	Insulin and the phosphatidylinositol 3-kinase signaling pathway regulate Ribonuclease 7 expression in the human urinary tract. Kidney International, 2016, 90, 568-579.	5.2	29
20	Hlx homeobox transcription factor negatively regulates interferon-Î³ production in monokine-activated natural killer cells. Blood, 2007, 109, 2481-2487.	1.4	25
21	Ribonuclease 7 Shields the Kidney and Bladder from Invasive Uropathogenic Escherichia coli Infection. Journal of the American Society of Nephrology: JASN, 2019, 30, 1385-1397.	6.1	24
22	Expression and Significance of the HIP/PAP and RegIIIÎ³ Antimicrobial Peptides during Mammalian Urinary Tract Infection. PLoS ONE, 2015, 10, e0144024.	2.5	18
23	Roles for urothelium in normal and aberrant urinary tract development. Nature Reviews Urology, 2020, 17, 459-468.	3.8	18
24	Novel X-linked glomerulopathy is associated with a COL4A5 missense mutation in a non-collagenous interruption. Kidney International, 2011, 79, 120-127.	5.2	16
25	Cell-specific qRT-PCR of renal epithelial cells reveals a novel innate immune signature in murine collecting duct. American Journal of Physiology - Renal Physiology, 2018, 315, F812-F823.	2.7	16
26	Whole Transcriptome Analysis of Renal Intercalated Cells Predicts Lipopolysaccharide Mediated Inhibition of Retinoid X Receptor alpha Function. Scientific Reports, 2019, 9, 545.	3.3	16
27	Molecular Basis of Renal Adaptation in a Murine Model of Congenital Obstructive Nephropathy. PLoS ONE, 2013, 8, e72762.	2.5	15
28	Uroepithelial Thickening on Sonography Improves Detection of Vesicoureteral Reflux in Children with First Febrile Urinary Tract Infection. Journal of Urology, 2015, 194, 1074-1079.	0.4	14
29	Hepatoblastoma and prune belly syndrome: a potential association. Pediatric Nephrology, 2011, 26, 1269-1273.	1.7	11
30	Struvite Urolithiasis and Chronic Urinary Tract Infection in a Murine Model of Urinary Diversion. Urology, 2013, 81, 943-948.	1.0	11
31	The Responses of the Ribonuclease A Superfamily to Urinary Tract Infection. Frontiers in Immunology, 2019, 10, 2786.	4.8	11
32	Common clinical markers predict end-stage renal disease in children with obstructive uropathy. Pediatric Nephrology, 2019, 34, 443-448.	1.7	11
33	Ultrasound Imaging of the Murine Kidney. Methods in Molecular Biology, 2012, 886, 403-410.	0.9	10
34	Neutrophil-Macrophage Imbalance Drives the Development of Renal Scarring during Experimental Pyelonephritis. Journal of the American Society of Nephrology: JASN, 2021, 32, 69-85.	6.1	9
35	Hemodialysis for Near-Fatal Sodium Phosphate Toxicity in a Child Receiving Sodium Phosphate Enemas. Pediatric Emergency Care, 2014, 30, 814-817.	0.9	8
36	Uroepithelial thickening improves detection of vesicoureteral reflux in infants with prenatal hydronephrosis. Journal of Pediatric Urology, 2016, 12, 257.e1-257.e7.	1.1	8

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37	Longitudinal kidney injury biomarker trajectories in children with obstructive uropathy. Pediatric Nephrology, 2020, 35, 1907-1914.	1.7	8
38	Differentiating Asymptomatic Bacteriuria From Urinary Tract Infection in the Pediatric Neurogenic Bladder Population: NGAL As a Promising Biomarker. Topics in Spinal Cord Injury Rehabilitation, 2019, 25, 214-221.	1.8	8
39	The uroplakin plaque promotes renal structural integrity during congenital and acquired urinary tract obstruction. American Journal of Physiology - Renal Physiology, 2018, 315, F1019-F1031.	2.7	6
40	Albuminuria in Pediatric Neurogenic Bladder: Identifying an Earlier Marker of Renal Disease. Urology, 2019, 133, 199-203.	1.0	6
41	Prediction of kidney failure in children with chronic kidney disease and obstructive uropathy. Pediatric Nephrology, 2021, 36, 111-118.	1.7	6
42	Renal epithelial miR-205 expression correlates with disease severity in a mouse model of congenital obstructive nephropathy. Pediatric Research, 2016, 80, 602-609.	2.3	5
43	X-Linked Glomerulopathy Due to COL4A5 FounderÂVariant. American Journal of Kidney Diseases, 2018, 71, 441-445.	1.9	5
44	Krt5⁺ urothelial cells are developmental and tissue repair progenitors in the kidney. American Journal of Physiology - Renal Physiology, 2019, 317, F757-F766.	2.7	5
45	Impact of urinary tract infection on inpatient healthcare for congenital obstructive uropathy. Journal of Pediatric Urology, 2012, 8, 470-476.	1.1	4
46	Urine Stasis Predisposes to Urinary Tract Infection by an Opportunistic Uropathogen in the Megabladder (Mgb) Mouse. PLoS ONE, 2015, 10, e0139077.	2.5	4
47	Impact of successful pediatric ureteropelvic junction obstruction surgery on urinary HIP/PAP and BD-1 levels. Journal of Pediatric Urology, 2020, 16, 592.e1-592.e7.	1.1	4
48	Urinary Diversion via Cutaneous Vesicostomy in the Megabladder Mouse. Methods in Molecular Biology, 2012, 886, 393-402.	0.9	4
49	Implications of Bacteriuria in Myelomeningocele Patients at Time of Urodynamic Testing. Topics in Spinal Cord Injury Rehabilitation, 2019, 25, 241-247.	1.8	4
50	Baclofen Toxicity Responsive to Hemodialysis in a Pediatric Patient with Acute Kidney Injury. Journal of Pediatric Intensive Care, 2016, 05, 037-040.	0.8	3
51	Analysis of the Ribonuclease A Superfamily of Antimicrobial Peptides in Patients Undergoing Chronic Peritoneal Dialysis. Scientific Reports, 2019, 9, 7753.	3.3	3
52	Trans IL-6 signaling does not appear to play a role in renal scarring after urinary tract infection. Journal of Pediatric Urology, 2020, 16, 586-591.	1.1	3
53	Urothelial progenitors in development and repair. Pediatric Nephrology, 2022, 37, 1721-1731.	1.7	3
54	Selective modulator of nuclear receptor PPARÎ³ with reduced adipogenic potential ameliorates experimental nephrotic syndrome. IScience, 2022, 25, 104001.	4.1	3

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55	A new â€˜tacâ€™ for childhood nephrotic syndrome. Kidney International, 2012, 82, 1049-1051.	5.2	1
56	Novel role for androgen signaling in pyelonephritis. Kidney International, 2018, 94, 455-457.	5.2	1
57	Steroid Sensitive and Steroid Resistant Nephrotic Syndrome. , 2011, , 175-200.		0
58	Efficient and Reproducible Retroviral Infection of Primary Human Natural Killer Cells.. Blood, 2004, 104, 1348-1348.	1.4	0