David S Hains

List of Publications by Year
in descending order

78 papers	2,096 citations	236925 25 h-index	254184 43 g-index
80 all docs	80 docs citations	80 times ranked	2788 citing authors

#	Article	IF	Citations
1	Role of fibroblast growth factor receptors 1 and 2 in the metanephric mesenchyme. Developmental Biology, 2006, 291, 325-339.	2.0	170
2	Management and etiology of the unilateral multicystic dysplastic kidney: a review. Pediatric Nephrology, 2009, 24, 233-241.	1.7	130
3	The innate immune response during urinary tract infection and pyelonephritis. Pediatric Nephrology, 2014, 29, 1139-1149.	1.7	121
4	Ribonuclease 7 is a potent antimicrobial peptide within the human urinary tract. Kidney International, 2011, 80, 174-180.	5.2	102
5	Ribonuclease 7, an antimicrobial peptide upregulated during infection, contributes to microbial defense of the human urinary tract. Kidney International, 2013, 83, 615-625.	5.2	101
6	The Interaction between Enterobacteriaceae and Calcium Oxalate Deposits. PLoS ONE, 2015, 10, e0139575.	2.5	95
7	Ribonucleases 6 and 7 have antimicrobial function in the human and murine urinary tract. Kidney International, 2015, 87, 151-161.	5.2	75
8	Amplifying renal immunity: the role of antimicrobial peptides in pyelonephritis. Nature Reviews Nephrology, 2015, 11, 642-655.	9.6	70
9	Asymptomatic Seroconversion of Immunoglobulins to SARS-CoV-2 in a Pediatric Dialysis Unit. JAMA - Journal of the American Medical Association, 2020, 323, 2424.	7.4	69
10	Human Alpha Defensin 5 Expression in the Human Kidney and Urinary Tract. PLoS ONE, 2012, 7, e31712.	2.5	69
11	Pediatric urinary tract infections: an analysis of hospitalizations, charges, and costs in the USA. Pediatric Nephrology, 2010, 25, 2469-2475.	1.7	68
12	TNXB Mutations Can Cause Vesicoureteral Reflux. Journal of the American Society of Nephrology: JASN, 2013, 24, 1313-1322.	6.1	60
13	Role of Fibroblast Growth Factor Receptor 2 in Kidney Mesenchyme. Pediatric Research, 2008, 64, 592-598.	2.3	53
14	High Incidence of Vesicoureteral Reflux in Mice With Fgfr2 Deletion in Kidney Mesenchyma. Journal of Urology, 2010, 183, 2077-2084.	0.4	53
15	Inflammation drives renal scarring in experimental pyelonephritis. American Journal of Physiology - Renal Physiology, 2017, 312, F43-F53.	2.7	42
16	Expression and Antimicrobial Function of Beta-Defensin 1 in the Lower Urinary Tract. PLoS ONE, 2013, 8, e77714.	2.5	41
17	Increasing frequency of acute kidney injury amongst children hospitalized with nephrotic syndrome. Pediatric Nephrology, 2014, 29, 139-147.	1.7	37
18	Evolution of the rapidly mutating human salivary agglutinin gene (DMBT1) and population subsistence strategy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5105-5110.	7.1	35

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19	Carbonic anhydrase 2 deficiency leads to increased pyelonephritis susceptibility. American Journal of Physiology - Renal Physiology, 2014, 307, F869-F880.	2.7	34
20	Urinary Tract Infection and Antimicrobial Stewardship in the Emergency Department. Pediatric Emergency Care, 2018, 34, 93-95.	0.9	32
21	Deletion of Frs2Î± from the ureteric epithelium causes renal hypoplasia. American Journal of Physiology - Renal Physiology, 2009, 297, F1208-F1219.	2.7	31
22	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
23	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
24	Contribution of Structural Domains to the Activity of Ribonuclease 7 against Uropathogenic Bacteria. Antimicrobial Agents and Chemotherapy, 2013, 57, 766-774.	3.2	28
25	An endogenous ribonuclease inhibitor regulates the antimicrobial activity of ribonuclease 7 in the human urinary tract. Kidney International, 2014, 85, 1179-1191.	5.2	28
26	Uroplakin 1b is critical in urinary tract development and urothelial differentiation and homeostasis. Kidney International, 2016, 89, 612-624.	5.2	28
27	Evaluation of novel urinary tract infection biomarkers in children. Pediatric Research, 2016, 79, 934-939.	2.3	25
28	A clinically significant interaction between tacrolimus and multiple proton pump inhibitors in a kidney transplant recipient. Pediatric Transplantation, 2012, 16, E217-20.	1.0	23
29	Kidney intercalated cells are phagocytic and acidify internalized uropathogenic Escherichia coli. Nature Communications, 2021, 12, 2405.	12.8	23
30	Pathogenesis of Renal Injury in the Megabladder Mouse: A Genetic Model of Congenital Obstructive Nephropathy. Pediatric Research, 2010, 68, 500-507.	2.3	22
31	3D Mapping Reveals a Complex and Transient Interstitial Matrix During Murine Kidney Development. Journal of the American Society of Nephrology: JASN, 2021, 32, 1649-1665.	6.1	19
32	The accuracy and health risks of a voiding cystourethrogram after a febrile urinary tract infection. Journal of Pediatric Urology, 2012, 8, 72-76.	1.1	18
33	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
34	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
35	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
36	Molecular Basis of Renal Adaptation in a Murine Model of Congenital Obstructive Nephropathy. PLoS ONE, 2013, 8, e72762.	2.5	15

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37	The demographics and costs of inpatient vesicoureteral reflux management in the USA. Pediatric Nephrology, 2011, 26, 1995-2001.	1.7	14
38	Kidney Transplantation in the United States: Economic Burden and Recent Trends Analysis. Progress in Transplantation, 2013, 23, 78-83.	0.7	14
39	Nonstructural Protein 1 (NS1)-Mediated Inhibition of c-Abl Results in Acute Lung Injury and Priming for Bacterial Co-infections: Insights Into 1918 H1N1 Pandemic?. Journal of Infectious Diseases, 2015, 211, 1418-1428.	4.0	14
40	Estimating and tracking renal function in children and adults with spina bifida. Journal of Pediatric Urology, 2020, 16, 169-177.	1.1	14
41	DNA copy number variations in children with vesicoureteral reflux and urinary tract infections. PLoS ONE, 2019, 14, e0220617.	2.5	13
42	A Prospective, Observational Pilot Study of the Use of Urinary Antimicrobial Peptides in Diagnosing Emergency Department Patients With Positive Urine Cultures. Academic Emergency Medicine, 2015, 22, 1226-1230.	1.8	12
43	Aptamer based proteomic pilot study reveals a urine signature indicative of pediatric urinary tract infections. PLoS ONE, 2020, 15, e0235328.	2.5	12
44	Hepatoblastoma and prune belly syndrome: a potential association. Pediatric Nephrology, 2011, 26, 1269-1273.	1.7	11
45	Struvite Urolithiasis and Chronic Urinary Tract Infection in a Murine Model of Urinary Diversion. Urology, 2013, 81, 943-948.	1.0	11
46	Implementation of a Renal Precision Medicine Program: Clinician Attitudes and Acceptance. Life, 2020, 10, 32.	2.4	11
47	Ribonuclease 7 polymorphism rs1263872 reduces antimicrobial activity and associates with pediatric urinary tract infections. Journal of Clinical Investigation, 2021, 131, .	8.2	11
48	3â€dimensional morphometric analysis of murine bladder development and dysmorphogenesis. Developmental Dynamics, 2012, 241, 522-533.	1.8	10
49	Contemporary Management of Vesicoureteral Reflux. Current Treatment Options in Pediatrics, 2016, 2, 82-93.	0.6	10
50	Developing a Research Mentorship Program: The American Society of Pediatric Nephrology's Experience. Frontiers in Pediatrics, 2019, 7, 155.	1.9	10
51	Diagnosis and imaging of neonatal UTIs. Pediatrics and Neonatology, 2020, 61, 195-200.	0.9	10
52	Variation in COVID-19 Diagnosis by Zip Code and Race and Ethnicity in Indiana. Frontiers in Public Health, 2020, 8, 593861.	2.7	10
53	Coronavirus disease 2019 (COVID â€19) in two pediatric patients with kidney disease on chronic immunosuppression: A case series. Hemodialysis International, 2021, 25, E1-E5.	0.9	8
54	Trends in hospitalization characteristics for pediatric nephrotic syndrome in the USA. Clinical Nephrology, 2012, 78, 106-111.	0.7	8

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55	Developmental loss, but not pharmacological suppression, of renal carbonic anhydrase 2 results in pyelonephritis susceptibility. American Journal of Physiology - Renal Physiology, 2020, 318, F1441-F1453.	2.7	7
56	Longitudinal SARS-CoV-2 seroconversion and functional heterogeneity in a pediatric dialysis unit. Kidney International, 2021, 99, 484-486.	5.2	7
57	The Genetics of Urinary Tract Infections and the Innate Defense of the Kidney and Urinary tract. Journal of Pediatric Genetics, 2016, 05, 025-032.	0.7	6
58	Assessment of Seroconversion to SARS-CoV-2 in a Cohort of Pediatric Kidney Transplant Recipients. Frontiers in Pediatrics, 2020, 8, 601327.	1.9	6
59	Generation, clearance, toxicity, and monitoring possibilities of unaccounted uremic toxins for improved dialysis prescriptions. American Journal of Physiology - Renal Physiology, 2018, 315, F890-F902.	2.7	5
60	Asymptomatic Bacteriuria versus Symptom Underreporting in Older Emergency Department Patients with Suspected Urinary Tract Infection. Journal of the American Geriatrics Society, 2020, 68, 2696-2699.	2.6	5
61	Deleted in malignant brain tumor 1 genetic variation confers urinary tract infection risk in children and mice. Clinical and Translational Medicine, 2021, 11, e477.	4.0	5
62	Impact of urinary tract infection on inpatient healthcare for congenital obstructive uropathy. Journal of Pediatric Urology, 2012, 8, 470-476.	1.1	4
63	Genetic Variations in Vesicoureteral Reflux Sequelae. Pathogens, 2016, 5, 14.	2.8	4
64	Do Declining Private Insurance Coverage Rates Influence Pediatric Hospital Charging Practices?. Clinical Pediatrics, 2011, 50, 417-423.	0.8	3
65	Decreased Identification of Vesicoureteral Reflux: A Cautionary Tale. Frontiers in Pediatrics, 2017, 5, 175.	1.9	3
66	Biorepository and integrative genomics initiative: designing and implementing a preliminary platform for predictive, preventive and personalized medicine at a pediatric hospital in a historically disadvantaged community in the USA. EPMA Journal, 2018, 9, 225-234.	6.1	3
67	DCHS1 DNA copy number loss associated with pediatric urinary tract infection risk. Innate Immunity, 2020, 26, 473-481.	2.4	3
68	Resolution of Diabetes Insipidus After Pyeloplasty: A Case Report and Review of the Literature. Urology, 2018, 115, 168-170.	1.0	2
69	Training the Next Generation of Pediatric Nephrology Advocates: The John E. Lewy Foundation Advocacy Scholars Program. Journal of Pediatrics, 2015, 166, 218-219.e1.	1.8	1
70	Placement on COVID-19 Units Does Not Increase Seroconversion Rate of Pediatric Graduate Medical Residents. Frontiers in Pediatrics, 2021, 9, 633082.	1.9	1
71	A Pilot Single Cell Analysis of the Zebrafish Embryo Cellular Responses to Uropathogenic Escherichia coli Infection. Pathogens and Immunity, 2022, 7, 1-18.	3.1	1
72	1350Urine ÃŸ-defensin 2 Concentration Increases during Urinary Tract Infection. Open Forum Infectious Diseases, 2014, 1, S353-S353.	0.9	0

#	Article	IF	Citations
73	Association Between Continuous Kidney Replacement Therapy Clearance and Outcome in Pediatric Patients With Hyperammonemia Not Due to Inborn Error of Metabolism. Pediatric Critical Care Medicine, 2022, Publish Ahead of Print, .	0.5	0
74	Title is missing!. , 2020, 15, e0235328.		0
75	Title is missing!. , 2020, 15, e0235328.		0
76	Title is missing!. , 2020, 15, e0235328.		0
77	Title is missing!. , 2020, 15, e0235328.		0
78	Suspect Screening of Exogenous Compounds Using Multiple Reaction Screening (MRM) Profiling in Human Urine Samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1201-1202, 123290.	2.3	0