

Jonathan Barasch

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

11,218
citations

147566

31
h-index

197535

49
g-index

56
all docs

56
docs citations

56
times ranked

11349
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil gelatinase-associated lipocalin (NGAL) as a biomarker for acute renal injury after cardiac surgery. <i>Lancet</i> , The, 2005, 365, 1231-1238.	6.3	2,695
2	Identification of Neutrophil Gelatinase-Associated Lipocalin as a Novel Early Urinary Biomarker for Ischemic Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 2534-2543.	3.0	1,546
3	Single-cell transcriptomics of the mouse kidney reveals potential cellular targets of kidney disease. <i>Science</i> , 2018, 360, 758-763.	6.0	797
4	Endocytic delivery of lipocalin-siderophore-iron complex rescues the kidney from ischemia-reperfusion injury. <i>Journal of Clinical Investigation</i> , 2005, 115, 610-621.	3.9	796
5	Sensitivity and Specificity of a Single Emergency Department Measurement of Urinary Neutrophil Gelatinase-Associated Lipocalin for Diagnosing Acute Kidney Injury. <i>Annals of Internal Medicine</i> , 2008, 148, 810.	2.0	597
6	Defective acidification of intracellular organelles in cystic fibrosis. <i>Nature</i> , 1991, 352, 70-73.	13.7	502
7	The Ngal reporter mouse detects the response of the kidney to injury in real time. <i>Nature Medicine</i> , 2011, 17, 216-222.	15.2	359
8	Plasticity of functional epithelial polarity. <i>Nature</i> , 1985, 318, 368-371.	13.7	317
9	Diagnostic and Prognostic Stratification in the Emergency Department Using Urinary Biomarkers of Nephron Damage. <i>Journal of the American College of Cardiology</i> , 2012, 59, 246-255.	1.2	306
10	Kidney Biopsy Findings in Patients with COVID-19. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1959-1968.	3.0	301
11	MC4R-dependent suppression of appetite by bone-derived lipocalin 2. <i>Nature</i> , 2017, 543, 385-390.	13.7	299
12	Mesenchymal to Epithelial Conversion in Rat Metanephros Is Induced by LIF. <i>Cell</i> , 1999, 99, 377-386.	13.5	257
13	Urinary neutrophil gelatinase-associated lipocalin levels reflect damage to glomeruli, proximal tubules, and distal nephrons. <i>Kidney International</i> , 2009, 75, 285-294.	2.6	254
14	Postmortem Kidney Pathology Findings in Patients with COVID-19. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2158-2167.	3.0	241
15	Urinary neutrophil gelatinase-associated lipocalin distinguishes pre-renal from intrinsic renal failure and predicts outcomes. <i>Kidney International</i> , 2011, 80, 405-414.	2.6	175
16	The transcription factor grainyhead-like 2 regulates the molecular composition of the epithelial apical junctional complex. <i>Development (Cambridge)</i> , 2010, 137, 3835-3845.	1.2	169
17	Lipocalin-2 Is a Chemokine Inducer in the Central Nervous System. <i>Journal of Biological Chemistry</i> , 2011, 286, 43855-43870.	1.6	149
18	Intercalated cells defend the urinary system from bacterial infection. <i>Journal of Clinical Investigation</i> , 2014, 124, 2963-2976.	3.9	127

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19	Novel Regulators of Kidney Development from the Tips of the Ureteric Bud. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1993-2002.	3.0	118
20	NGAL (Lcn2) monomer is associated with tubulointerstitial damage in chronic kidney disease. <i>Kidney International</i> , 2012, 82, 718-722.	2.6	111
21	Unique Transcriptional Programs Identify Subtypes of AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1729-1740.	3.0	93
22	Molecular nephrology: types of acute tubular injury. <i>Nature Reviews Nephrology</i> , 2019, 15, 599-612.	4.1	91
23	Extracorporeal Ultrafiltration for Fluid Overload in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2428-2445.	1.2	88
24	β -catenin/TCF/Lef controls a differentiation-associated transcriptional program in renal epithelial progenitors. <i>Development (Cambridge)</i> , 2007, 134, 3177-3190.	1.2	87
25	Acute kidney injury: a problem of definition. <i>Lancet, The</i> , 2017, 389, 779-781.	6.3	75
26	Ureteric bud cells secrete multiple factors, including bFGF, which rescue renal progenitors from apoptosis. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F757-F767.	1.3	66
27	Genomic Mismatch at <i>LIMS1</i> Locus and Kidney Allograft Rejection. <i>New England Journal of Medicine</i> , 2019, 380, 1918-1928.	13.9	63
28	A <i>Grhl2</i> -dependent gene network controls trophoblast branching morphogenesis. <i>Development (Cambridge)</i> , 2015, 142, 1125-1136.	1.2	61
29	Transcription factor TFCP2L1 patterns cells in the mouse kidney collecting ducts. <i>ELife</i> , 2017, 6, .	2.8	58
30	Urinary NGAL Marks Cystic Disease in HIV-Associated Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1687-1692.	3.0	47
31	Disposal of iron by a mutant form of lipocalin 2. <i>Nature Communications</i> , 2016, 7, 12973.	5.8	43
32	Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) Distinguishes Sustained From Transient Acute Kidney Injury After General Surgery. <i>Kidney International Reports</i> , 2016, 1, 3-9.	0.4	32
33	Physiological functions of ferroportin in the regulation of renal iron recycling and ischemic acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1042-F1057.	1.3	31
34	Longitudinal Outcomes of COVID-19-Associated Collapsing Glomerulopathy and Other Podocytopathies. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2958-2969.	3.0	31
35	Precision Medicine for Acute Kidney Injury (AKI): Redefining AKI by Agnostic Kidney Tissue Interrogation and Genetics. <i>Seminars in Nephrology</i> , 2018, 38, 40-51.	0.6	28
36	Urinary NGAL deficiency in recurrent urinary tract infections. <i>Pediatric Nephrology</i> , 2017, 32, 1077-1080.	0.9	26

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37	Elevated Neutrophil Gelatinase-Associated Lipocalin Is Associated With the Severity of Kidney Injury and Poor Prognosis of Patients With COVID-19. <i>Kidney International Reports</i> , 2021, 6, 2979-2992.	0.4	25
38	An AKI biomarker lipocalin 2 in the blood derives from the kidney in renal injury but from neutrophils in normal and infected conditions. <i>Clinical and Experimental Nephrology</i> , 2015, 19, 99-106.	0.7	24
39	Induction of Collecting Duct Morphogenesis In Vitro by Heparin-Binding Epidermal Growth Factor-Like Growth Factor. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 964-972.	3.0	21
40	Urine neutrophil gelatinase-associated lipocalin identifies unilateral and bilateral urinary tract obstruction. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 4132-4135.	0.4	19
41	Copy Number Variant Analysis and Genome-wide Association Study Identify Loci with Large Effect for Vesicoureteral Reflux. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 805-820.	3.0	17
42	Iron deficiency exacerbates cisplatin- or rhabdomyolysis-induced acute kidney injury through promoting iron-catalyzed oxidative damage. <i>Free Radical Biology and Medicine</i> , 2021, 173, 81-96.	1.3	14
43	A uropathogenic <i>E. coli</i> UTI89 model of prostatic inflammation and collagen accumulation for use in studying aberrant collagen production in the prostate. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F31-F46.	1.3	13
44	Creatinine and Cystatin C. <i>Circulation</i> , 2018, 137, 2029-2031.	1.6	10
45	Cell-specific image-guided transcriptomics identifies complex injuries caused by ischemic acute kidney injury in mice. <i>Communications Biology</i> , 2019, 2, 326.	2.0	10
46	Rule Out Acute Kidney Injury in the Emergency Department With a Urinary Dipstick. <i>Kidney International Reports</i> , 2020, 5, 1982-1992.	0.4	9
47	Innate Bacteriostatic Mechanisms Defend the Urinary Tract. <i>Annual Review of Physiology</i> , 2022, 84, 533-558.	5.6	7
48	Snapshots of nascent RNA reveal cell- and stimulus-specific responses to acute kidney injury. <i>JCI Insight</i> , 2022, 7, .	2.3	3
49	The definition of acute kidney injury – Authors' reply. <i>Lancet, The</i> , 2018, 391, 203-204.	6.3	2
50	Urinary defense begins in the kidney. <i>Kidney International</i> , 2019, 96, 537-539.	2.6	0
51	Mutations in transcription factor CP2-like 1 may cause a novel syndrome with distal renal tubulopathy in humans. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 237-246.	0.4	0