

Anthony J Kanai

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,185
citations

24
h-index

45
g-index

76
ext. papers

2,443
ext. citations

4.1
avg, IF

4.61
L-index

#	Paper	IF	Citations
71	Beta-adrenoceptor agonists stimulate endothelial nitric oxide synthase in rat urinary bladder urothelial cells. <i>Journal of Neuroscience</i> , 2002 , 22, 8063-70	6.6	185
70	Shear stress induces ATP-independent transient nitric oxide release from vascular endothelial cells, measured directly with a porphyrinic microsensor. <i>Circulation Research</i> , 1995 , 77, 284-93	15.7	149
69	Bladder afferent signaling: recent findings. <i>Journal of Urology</i> , 2010 , 183, 1288-95	2.5	118
68	Activation of urothelial transient receptor potential vanilloid 4 by 4alpha-phorbol 12,13-didecanoate contributes to altered bladder reflexes in the rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 227-35	4.7	118
67	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , 2007 , 80, 2298-302	6.8	112
66	Adrenergic- and capsaicin-evoked nitric oxide release from urothelium and afferent nerves in urinary bladder. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, F226-9	4.3	107
65	Expression of functional nicotinic acetylcholine receptors in rat urinary bladder epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, F103-10	4.3	97
64	Beta-adrenergic regulation of constitutive nitric oxide synthase in cardiac myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 1997 , 273, C1371-7	5.4	94
63	The catabolic fate of nitric oxide: the nitric oxide oxidase and peroxynitrite reductase activities of cytochrome oxidase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 13556-62	5.4	85
62	Modulation of bladder myofibroblast activity: implications for bladder function. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F688-97	4.3	76
61	Spontaneous contractions evoke afferent nerve firing in mouse bladders with detrusor overactivity. <i>Journal of Urology</i> , 2009 , 181, 1459-66	2.5	60
60	Botulinum neurotoxin serotype A suppresses neurotransmitter release from afferent as well as efferent nerves in the urinary bladder. <i>European Urology</i> , 2012 , 62, 1157-64	10.2	58
59	Manganese superoxide dismutase gene therapy protects against irradiation-induced cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, F1304-12	4.3	54
58	Differing roles of mitochondrial nitric oxide synthase in cardiomyocytes and urothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H13-21	5.2	52
57	Effect of botulinum toxin A on urothelial-release of ATP and expression of SNARE targets within the urothelium. <i>Neurourology and Urodynamics</i> , 2015 , 34, 79-84	2.3	49
56	The potential role of unregulated autonomous bladder micromotions in urinary storage and voiding dysfunction; overactive bladder and detrusor underactivity. <i>BJU International</i> , 2017 , 119, 22-29	5.6	47
55	Characterization of bladder and external urethral activity in mice with or without spinal cord injury--a comparison study with rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R752-8	3.2	44

54	Effects of MnSOD-plasmid liposome gene therapy on antioxidant levels in irradiated murine oral cavity orthotopic tumors. <i>Radiation Research</i> , 2007 , 167, 289-97	3.1	41
53	Nitrosative stress results in irreversible inhibition of purified mitochondrial complexes I and III without modification of cofactors. <i>Nitric Oxide - Biology and Chemistry</i> , 2005 , 13, 254-63	5	41
52	Researching bladder afferents-determining the effects of (β) -adrenergic receptor agonists and botulinum toxin type-A. <i>Neurourology and Urodynamics</i> , 2011 , 30, 684-91	2.3	36
51	Hypoxia and hypothermia enhance spatial heterogeneities of repolarization in guinea pig hearts: analysis of spatial autocorrelation of optically recorded action potential durations. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 164-83	2.7	36
50	Afferent mechanism in the urinary tract. <i>Handbook of Experimental Pharmacology</i> , 2011 , 171-205	3.2	32
49	Mechanisms of action of botulinum neurotoxins, β-adrenergic receptor agonists, and PDE5 inhibitors in modulating detrusor function in overactive bladders: ICI-RS 2011. <i>Neurourology and Urodynamics</i> , 2012 , 31, 300-8	2.3	29
48	Urothelial proliferation and regeneration after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F85-F102	4.3	24
47	The role of capsaicin-sensitive C-fiber afferent pathways in the control of micturition in spinal-intact and spinal cord-injured mice. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F796-F804	4.3	23
46	Mitochondrial targeting of radioprotectants using peptidyl conjugates. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 307-9	3.9	23
45	Relaxin-2 therapy reverses radiation-induced fibrosis and restores bladder function in mice. <i>Neurourology and Urodynamics</i> , 2018 , 37, 2441-2451	2.3	23
44	Role of proNGF/p75 signaling in bladder dysfunction after spinal cord injury. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1772-1786	15.9	22
43	Urothelial mucosal signaling and the overactive bladder-ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014 , 33, 597-601	2.3	21
42	The effect of neutralization of nerve growth factor (NGF) on bladder and urethral dysfunction in mice with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2018 , 37, 1889-1896	2.3	20
41	Fibrosis and the bladder, implications for function ICI-RS 2017. <i>Neurourology and Urodynamics</i> , 2018 , 37, S7-S12	2.3	19
40	Muro-Neuro-Urodynamics; a Review of the Functional Assessment of Mouse Lower Urinary Tract Function. <i>Frontiers in Physiology</i> , 2017 , 8, 49	4.6	19
39	Targeted delivery of radioprotective agents to mitochondria. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2008 , 8, 294-302		17
38	Post-injury bladder management strategy influences lower urinary tract dysfunction in the mouse model of spinal cord injury. <i>Neurourology and Urodynamics</i> , 2017 , 36, 1301-1305	2.3	16
37	Chronic pelvic pain syndrome/bladder pain syndrome: taking stock, looking ahead: ICI-RS 2011. <i>Neurourology and Urodynamics</i> , 2012 , 31, 375-83	2.3	16

36	Stress-induced autonomic dysregulation of mitochondrial function in the rat urothelium. <i>Neurourology and Urodynamics</i> , 2019 , 38, 572-581	2.3	15
35	Sophisticated models and methods for studying neurogenic bladder dysfunction. <i>Neurourology and Urodynamics</i> , 2011 , 30, 658-67	2.3	14
34	Implications for bidirectional signaling between afferent nerves and urothelial cells-ICI-RS 2014. <i>Neurourology and Urodynamics</i> , 2016 , 35, 273-7	2.3	14
33	Involvement of TRPM4 in detrusor overactivity following spinal cord transection in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018 , 391, 1191-1202	3.4	13
32	Do we understand any more about bladder interstitial cells?-ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014 , 33, 573-6	2.3	13
31	Morphological changes in different populations of bladder afferent neurons detected by herpes simplex virus (HSV) vectors with cell-type-specific promoters in mice with spinal cord injury. <i>Neuroscience</i> , 2017 , 364, 190-201	3.9	12
30	Relaxin and fibrosis: Emerging targets, challenges, and future directions. <i>Molecular and Cellular Endocrinology</i> , 2019 , 487, 66-74	4.4	11
29	Influence of sildenafil on the purinergic components of nerve-mediated and urothelial ATP release from the bladder of normal and spinal cord injured mice. <i>British Journal of Pharmacology</i> , 2019 , 176, 2227-2237 ¹⁰	8.6	10
28	What are the origins and relevance of spontaneous bladder contractions? ICI-RS 2017. <i>Neurourology and Urodynamics</i> , 2018 , 37, S13-S19	2.3	10
27	Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury. <i>Neuroscience Letters</i> , 2018 , 683, 100-103	3.3	10
26	Probabilistic, spinally-gated control of bladder pressure and autonomous micturition by Barrington's nucleus CRH neurons. <i>ELife</i> , 2020 , 9,	8.9	10
25	Characterisation of nerve-mediated ATP release from bladder detrusor muscle and its pathological implications. <i>British Journal of Pharmacology</i> , 2019 , 176, 4720-4730	8.6	9
24	Nerve growth factor-dependent hyperexcitability of capsaicin-sensitive bladder afferent neurones in mice with spinal cord injury. <i>Experimental Physiology</i> , 2018 , 103, 896-904	2.4	8
23	Inflammation and Tissue Remodeling in the Bladder and Urethra in Feline Interstitial Cystitis. <i>Frontiers in Systems Neuroscience</i> , 2018 , 12, 13	3.5	8
22	New Frontiers of Basic Science Research in Neurogenic Lower Urinary Tract Dysfunction. <i>Urologic Clinics of North America</i> , 2017 , 44, 491-505	2.9	8
21	Targeting p75 neurotrophin receptors ameliorates spinal cord injury-induced detrusor sphincter dyssynergia in mice. <i>Neurourology and Urodynamics</i> , 2018 , 37, 2452-2461	2.3	8
20	Characterization of mouse neuro-urological dynamics in a novel decerebrate arterially perfused mouse (DAPM) preparation. <i>Neurourology and Urodynamics</i> , 2018 , 37, 1302-1312	2.3	6
19	Potential insights into lower urinary function derived from CNS imaging. <i>Neurourology and Urodynamics</i> , 2010 , 29, 629-33	2.3	6

18	Sildenafil, a phosphodiesterase type 5 inhibitor, augments sphincter bursting and bladder afferent activity to enhance storage function and voiding efficiency in mice. <i>BJU International</i> , 2019 , 124, 163-173 ^{5.6}	5.6	6
17	Does our limited knowledge of the mechanisms of neural stimulation limit its benefits for patients with overactive bladder? ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014 , 33, 618-21	2.3	5
16	A mitochondrial role for catabolism of nitric oxide in cardiomyocytes not involving oxymyoglobin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H55-8	5.2	5
15	Function and regulation of mitochondrially produced nitric oxide in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H11-2	5.2	4
14	Role of p38 MAP kinase signaling pathways in storage and voiding dysfunction in mice with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2020 , 39, 108-115	2.3	4
13	Modulation of Bladder Wall Micromotions Alters Intravesical Pressure Activity in the Isolated Bladder. <i>Frontiers in Physiology</i> , 2018 , 9, 1937	4.6	3
12	Contractile and Structural Properties of Detrusor from Children with Neurogenic Lower Urinary Tract Dysfunction. <i>Biology</i> , 2021 , 10,	4.9	3
11	MP17-18 BIDIRECTIONAL COMMUNICATION BETWEEN AFFERENT NEURONS AND UROTHELIAL CELLS IN THE MOUSE URINARY BLADDER. <i>Journal of Urology</i> , 2014 , 191,	2.5	2
10	Excitatory effect of acotiamide on rat and human bladder: Implications for underactive bladder treatment. <i>Life Sciences</i> , 2020 , 258, 118179	6.8	2
9	Stretch- and carbachol-induced ATP release from bladder wall preparations of young and aged mice. <i>Neurourology and Urodynamics</i> , 2020 , 39, 1644-1652	2.3	1
8	Virtual measurements of paracellular permeability and chronic inflammation via color coded pixel-wise T mapping. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F506-F514	4.3	1
7	Role of hyperpolarization-activated cyclic nucleotide-gated channels in aging bladder phenotype. <i>Life Sciences</i> , 2021 , 289, 120203	6.8	0
6	The Frequency-Dependence of Pre- and Postganglionic Nerve Stimulation of Pig and Rat Bladder. <i>International Neurourology Journal</i> , 2021 , 25, 210-218	2.6	0
5	Effects of vasopressin receptor agonists on detrusor smooth muscle tone in young and aged bladders: Implications for nocturia treatment 2022 , 100032		0
4	Altered substance P expression in urinary bladder urothelium from cats diagnosed with interstitial cystitis. <i>FASEB Journal</i> , 2006 , 20, A359	0.9	
3	Selective colonic irradiation induces urinary bladder overactivity. <i>FASEB Journal</i> , 2009 , 23, 939.5	0.9	
2	Role of rat urinary bladder interstitial cells in neurogenic detrusor overactivity. <i>FASEB Journal</i> , 2009 , 23, 816.4	0.9	
1	Targeting neurotrophin and nitric oxide signaling to treat spinal cord injury and associated neurogenic bladder overactivity 2022 , 1, 100014		

