

Anthony J Kanai

List of Publications by Year in descending order

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73
papers

2,778
citations

172207

29
h-index

182168

51
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76
all docs

76
docs citations

76
times ranked

2233
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Adrenoceptor Agonists Stimulate Endothelial Nitric Oxide Synthase in Rat Urinary Bladder Urothelial Cells. <i>Journal of Neuroscience</i> , 2002, 22, 8063-8070.	1.7	209
2	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, 284-293.	2.0	176
3	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-F229.	1.3	158
4	Bladder Afferent Signaling: Recent Findings. <i>Journal of Urology</i> , 2010, 183, 1288-1295.	0.2	146
5	Activation of Urothelial Transient Receptor Potential Vanilloid 4 by 4Î±-Phorbol 12,13-Didecanoate Contributes to Altered Bladder Reflexes in the Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 227-235.	1.3	130
6	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , 2007, 80, 2298-2302.	2.0	130
7	Î²-Adrenergic regulation of constitutive nitric oxide synthase in cardiac myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 273, C1371-C1377.	2.1	106
8	Expression of functional nicotinic acetylcholine receptors in rat urinary bladder epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F103-F110.	1.3	104
9	The Catabolic Fate of Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2002, 277, 13556-13562.	1.6	92
10	Modulation of bladder myofibroblast activity: implications for bladder function. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F688-F697.	1.3	83
11	Botulinum Neurotoxin Serotype A Suppresses Neurotransmitter Release from Afferent as Well as Efferent Nerves in the Urinary Bladder. <i>European Urology</i> , 2012, 62, 1157-1164.	0.9	71
12	Spontaneous Contractions Evoke Afferent Nerve Firing in Mouse Bladders With Detrusor Overactivity. <i>Journal of Urology</i> , 2009, 181, 1459-1466.	0.2	70
13	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.	1.3	68
14	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-H21.	1.5	62
15	Manganese superoxide dismutase gene therapy protects against irradiation-induced cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F1304-F1312.	1.3	61
16	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.	0.8	61
17	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-R758.	0.9	59
18	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, 254-263.	1.2	44

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19	Effects of MnSOD-Plasmid Liposome Gene Therapy on Antioxidant Levels in Irradiated Murine Oral Cavity Orthotopic Tumors. <i>Radiation Research</i> , 2007, 167, 289-297.	0.7	44
20	Hypoxia and Hypothermia Enhance Spatial Heterogeneities of Repolarization in Guinea Pig Hearts... <i>Journal of Cardiovascular Electrophysiology</i> , 1998, 9, 164-183.	0.8	43
21	Researching bladder afferentsâ€”determining the effects of β_3 -adrenergic receptor agonists and botulinum toxin typeâ€A. <i>Neurourology and Urodynamics</i> , 2011, 30, 684-691.	0.8	41
22	Mechanisms of action of botulinum neurotoxins, β_3 -adrenergic receptor agonists, and PDE5 inhibitors in modulating detrusor function in overactive bladders: ICIâ€RS 2011. <i>Neurourology and Urodynamics</i> , 2012, 31, 300-308.	0.8	38
23	Urothelial proliferation and regeneration after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F85-F102.	1.3	37
24	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.	1.3	37
25	Fibrosis and the bladder, implications for function ICIâ€RS 2017. <i>Neurourology and Urodynamics</i> , 2018, 37, S7-S12.	0.8	36
26	Afferent Mechanism in the Urinary Tract. <i>Handbook of Experimental Pharmacology</i> , 2011, , 171-205.	0.9	35
27	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.	0.8	34
28	Role of proNGF/p75 signaling in bladder dysfunction after spinal cord injury. <i>Journal of Clinical Investigation</i> , 2018, 128, 1772-1786.	3.9	34
29	Relaxinâ€2 therapy reverses radiationâ€induced fibrosis and restores bladder function in mice. <i>Neurourology and Urodynamics</i> , 2018, 37, 2441-2451.	0.8	32
30	Urothelial mucosal signaling and the overactive bladder-ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014, 33, 597-601.	0.8	30
31	Muro-Neuro-Urodynamics; a Review of the Functional Assessment of Mouse Lower Urinary Tract Function. <i>Frontiers in Physiology</i> , 2017, 8, 49.	1.3	27
32	Postâ€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.	0.8	26
33	Mitochondrial targeting of radioprotectants using peptidyl conjugates. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 307-309.	1.5	24
34	Influence of sildenafil on the purinergic components of nerveâ€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.	2.7	24
35	Characterisation of nerveâ€mediated ATP release from bladder detrusor muscle and its pathological implications. <i>British Journal of Pharmacology</i> , 2019, 176, 4720-4730.	2.7	22
36	Targeted Delivery of Radioprotective Agents to Mitochondria. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2008, 8, 294-302.	3.4	21

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37	Chronic pelvic pain syndrome/bladder pain syndrome: Taking stock, looking ahead: ICIâ€RS 2011. <i>Neurourology and Urodynamics</i> , 2012, 31, 375-383.	0.8	20
38	Stressâ€induced autonomic dysregulation of mitochondrial function in the rat urothelium. <i>Neurourology and Urodynamics</i> , 2019, 38, 572-581.	0.8	20
39	Probabilistic, spinally-gated control of bladder pressure and autonomous micturition by Barringtonâ€™s nucleus CRH neurons. <i>ELife</i> , 2020, 9, .	2.8	19
40	Sophisticated models and methods for studying neurogenic bladder dysfunction. <i>Neurourology and Urodynamics</i> , 2011, 30, 658-667.	0.8	18
41	Involvement of TRPM4 in detrusor overactivity following spinal cord transection in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 1191-1202.	1.4	18
42	Relaxin and fibrosis: Emerging targets, challenges, and future directions. <i>Molecular and Cellular Endocrinology</i> , 2019, 487, 66-74.	1.6	18
43	Do we understand any more about bladder interstitial cells?-ICI-RS 2013. <i>Neurourology and Urodynamics</i> , 2014, 33, 573-576.	0.8	17
44	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.	1.1	17
45	New Frontiers of Basic Science Research in Neurogenic Lower Urinary Tractâ€Dysfunction. <i>Urologic Clinics of North America</i> , 2017, 44, 491-505.	0.8	16
46	Targeting p75 neurotrophin receptors ameliorates spinal cord injuryâ€induced detrusor sphincter dyssynergia in mice. <i>Neurourology and Urodynamics</i> , 2018, 37, 2452-2461.	0.8	15
47	Implications for bidirectional signaling between afferent nerves and urothelial cells-ICI-RS 2014. <i>Neurourology and Urodynamics</i> , 2016, 35, 273-277.	0.8	14
48	Nerve growth factorâ€dependent hyperexcitability of capsaicinâ€sensitive bladder afferent neurones in mice with spinal cord injury. <i>Experimental Physiology</i> , 2018, 103, 896-904.	0.9	14
49	What are the origins and relevance of spontaneous bladder contractions? ICIâ€RS 2017. <i>Neurourology and Urodynamics</i> , 2018, 37, S13-S19.	0.8	14
50	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.	1.0	14
51	Inflammation and Tissue Remodeling in the Bladder and Urethra in Feline Interstitial Cystitis. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 13.	1.2	14
52	Benign prostatic hyperplasia/obstruction ameliorated using a soluble guanylate cyclase activator. <i>Journal of Pathology</i> , 2022, 256, 442-454.	2.1	14
53	Characterization of mouse neuroâ€urological dynamics in a novel decerebrate arterially perfused mouse (DAPM) preparation. <i>Neurourology and Urodynamics</i> , 2018, 37, 1302-1312.	0.8	10
54	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.	0.8	10

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55	Function and regulation of mitochondrially produced nitric oxide in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H11-H12.	1.5	8
56	Sildenafil, a phosphodiesterase type 5 inhibitor, augments sphincter bursting and bladder afferent activity to enhance storage function and voiding efficiency in mice. BJU International, 2019, 124, 163-173.	1.3	8
57	A mitochondrial role for catabolism of nitric oxide in cardiomyocytes not involving oxymyoglobin. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H55-H58.	1.5	7
58	Does our limited knowledge of the mechanisms of neural stimulation limit its benefits for patients with overactive bladder? ICI-RS 2013. Neurourology and Urodynamics, 2014, 33, 618-621.	0.8	7
59	Modulation of Bladder Wall Micromotions Alters Intravesical Pressure Activity in the Isolated Bladder. Frontiers in Physiology, 2018, 9, 1937.	1.3	7
60	Potential insights into lower urinary function derived from CNS imaging. Neurourology and Urodynamics, 2010, 29, 629-633.	0.8	6
61	Excitatory effect of acotiamide on rat and human bladder: Implications for underactive bladder treatment. Life Sciences, 2020, 258, 118179.	2.0	5
62	Virtual measurements of paracellular permeability and chronic inflammation via color coded pixel-wise T1 mapping. American Journal of Physiology - Renal Physiology, 2020, 319, F506-F514.	1.3	5
63	Stretch- and carbachol-induced ATP release from bladder wall preparations of young and aged mice. Neurourology and Urodynamics, 2020, 39, 1644-1652.	0.8	5
64	Contractile and Structural Properties of Detrusor from Children with Neurogenic Lower Urinary Tract Dysfunction. Biology, 2021, 10, 863.	1.3	5
65	Frequency-dependent characteristics of nerve-mediated ATP and acetylcholine release from detrusor smooth muscle. Experimental Physiology, 2022, 107, 350-358.	0.9	5
66	The Frequency-Dependence of Pre- and Postganglionic Nerve Stimulation of Pig and Rat Bladder. International Neurourology Journal, 2021, 25, 210-218.	0.5	3
67	MP17-18 BIDIRECTIONAL COMMUNICATION BETWEEN AFFERENT NEURONS AND UROTHELIAL CELLS IN THE MOUSE URINARY BLADDER. Journal of Urology, 2014, 191, .	0.2	2
68	Role of hyperpolarization-activated cyclic nucleotide-gated channels in aging bladder phenotype. Life Sciences, 2022, 289, 120203.	2.0	2
69	Targeting neurotrophin and nitric oxide signaling to treat spinal cord injury and associated neurogenic bladder overactivity. , 2022, 1, 100014.		2
70	Effects of vasopressin receptor agonists on detrusor smooth muscle tone in young and aged bladders: Implications for nocturia treatment. , 2022, 2, 100032.		2
71	Altered substance P expression in urinary bladder urothelium from cats diagnosed with interstitial cystitis. FASEB Journal, 2006, 20, A359.	0.2	0
72	Selective colonic irradiation induces urinary bladder overactivity. FASEB Journal, 2009, 23, 939.5.	0.2	0

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73	Role of rat urinary bladder interstitial cells in neurogenic detrusor overactivity. FASEB Journal, 2009, 23, 816.4.	0.2	0