

# William C De Groat

## List of Publications by Citations

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409  
papers

19,710  
citations

76  
h-index

120  
g-index

417  
ext. papers

21,409  
ext. citations

3.6  
avg, IF

6.87  
L-index

#	Paper	IF	Citations
409	The neural control of micturition. <i>Nature Reviews Neuroscience</i> , <b>2008</b> , 9, 453-66	13.5	908
408	A neurologic basis for the overactive bladder. <i>Urology</i> , <b>1997</b> , 50, 36-52; discussion 53-6	1.6	476
407	The distribution of visceral primary afferents from the pelvic nerve to Lissauer's tract and the spinal gray matter and its relationship to the sacral parasympathetic nucleus. <i>Journal of Comparative Neurology</i> , <b>1981</b> , 201, 415-40	3.4	413
406	Organization of the sacral parasympathetic reflex pathways to the urinary bladder and large intestine. <i>Journal of the Autonomic Nervous System</i> , <b>1981</b> , 3, 135-60		411
405	Integrative control of the lower urinary tract: preclinical perspective. <i>British Journal of Pharmacology</i> , <b>2006</b> , 147 Suppl 2, S25-40	8.6	305
404	Increased excitability of afferent neurons innervating rat urinary bladder after chronic bladder inflammation. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 4644-53	6.6	303
403	Effect of bladder outlet obstruction on micturition reflex pathways in the rat. <i>Journal of Urology</i> , <b>1988</b> , 140, 864-71	2.5	281
402	Mechanisms of disease: involvement of the urothelium in bladder dysfunction. <i>Nature Reviews Urology</i> , <b>2007</b> , 4, 46-54		266
401	Pharmacology of the lower urinary tract. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2001</b> , 41, 691-721	7.9	263
400	Neural control of the lower urinary tract. <i>Comprehensive Physiology</i> , <b>2015</b> , 5, 327-96	7.7	256
399	Intravesical capsaicin and resiniferatoxin therapy: spicing up the ways to treat the overactive bladder. <i>Journal of Urology</i> , <b>1999</b> , 162, 3-11	2.5	229
398	Sympathetic inhibition of the urinary bladder and of pelvic ganglionic transmission in the cat. <i>Journal of Physiology</i> , <b>1972</b> , 220, 297-314	3.9	204
397	Alterations in afferent pathways from the urinary bladder of the rat in response to partial urethral obstruction. <i>Journal of Comparative Neurology</i> , <b>1991</b> , 310, 401-10	3.4	203
396	Urethral afferent nerve activity affects the micturition reflex; implication for the relationship between stress incontinence and detrusor instability. <i>Journal of Urology</i> , <b>1999</b> , 162, 204-12	2.5	193
395	Beta-adrenoceptor agonists stimulate endothelial nitric oxide synthase in rat urinary bladder urothelial cells. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 8063-70	6.6	185
394	Developmental and injury induced plasticity in the micturition reflex pathway. <i>Behavioural Brain Research</i> , <b>1998</b> , 92, 127-40	3.4	184
393	The urothelium in overactive bladder: passive bystander or active participant?. <i>Urology</i> , <b>2004</b> , 64, 7-11	1.6	180

392	Neural control of the lower urinary tract. <i>International Journal of Urology</i> , <b>1997</b> , 4, 111-25	2.3	174
391	Afferent nerve regulation of bladder function in health and disease. <i>Handbook of Experimental Pharmacology</i> , <b>2009</b> , 91-138	3.2	169
390	Tadalafil for the treatment of lower urinary tract symptoms secondary to benign prostatic hyperplasia: pathophysiology and mechanism(s) of action. <i>Neurourology and Urodynamics</i> , <b>2011</b> , 30, 292-301	3.1	162
389	Mechanisms underlying the recovery of lower urinary tract function following spinal cord injury. <i>Progress in Brain Research</i> , <b>2006</b> , 152, 59-84	2.9	161
388	Immunoneutralization of Nerve Growth Factor in Lumbosacral Spinal Cord Reduces Bladder Hyperreflexia in Spinal Cord Injured Rats.. <i>Journal of Urology</i> , <b>2002</b> , 168, 2269-2274	2.5	156
387	Preliminary results of myoblast injection into the urethra and bladder wall: a possible method for the treatment of stress urinary incontinence and impaired detrusor contractility. <i>Neurourology and Urodynamics</i> , <b>2000</b> , 19, 279-87	2.3	147
386	Effect of botulinum toxin A on the autonomic nervous system of the rat lower urinary tract. <i>Journal of Urology</i> , <b>2003</b> , 169, 1896-900	2.5	146
385	Transneuronal labeling of neurons in the adult rat brainstem and spinal cord after injection of pseudorabies virus into the urethra. <i>Journal of Comparative Neurology</i> , <b>1995</b> , 355, 629-40	3.4	144
384	Effect of capsaicin on micturition and associated reflexes in chronic spinal rats. <i>Brain Research</i> , <b>1995</b> , 678, 40-8	3.7	143
383	Reflex firing in the lumbar sympathetic outflow to activation of vesical afferent fibres. <i>Journal of Physiology</i> , <b>1972</b> , 226, 289-309	3.9	143
382	Bladder overactivity and hyperexcitability of bladder afferent neurons after intrathecal delivery of nerve growth factor in rats. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 10847-55	6.6	141
381	ANATOMY AND PHYSIOLOGY OF THE LOWER URINARY TRACT. <i>Urologic Clinics of North America</i> , <b>1993</b> , 20, 383-401	2.9	139
380	Differential distribution of nitric oxide synthase in neural pathways to the urogenital organs (urethra, penis, urinary bladder) of the rat. <i>Brain Research</i> , <b>1994</b> , 646, 279-91	3.7	138
379	Influence of central serotonergic mechanisms on lower urinary tract function. <i>Urology</i> , <b>2002</b> , 59, 30-6	1.6	128
378	Segmental distribution and central projections of renal afferent fibers in the cat studied by transganglionic transport of horseradish peroxidase. <i>Journal of Comparative Neurology</i> , <b>1983</b> , 216, 162-74	2.4	123
377	THE ROLE OF BLADDER AFFERENT PATHWAYS IN BLADDER HYPERACTIVITY INDUCED BY THE INTRAVESICAL ADMINISTRATION OF NERVE GROWTH FACTOR. <i>Journal of Urology</i> , <b>2001</b> , 165, 975-979	2.5	122
376	The involvement of the tetrodotoxin-resistant sodium channel Na(v)1.8 (PN3/SNS) in a rat model of visceral pain. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 8690-6	6.6	120
375	The effect of glutamate antagonists on c-fos expression induced in spinal neurons by irritation of the lower urinary tract. <i>Brain Research</i> , <b>1992</b> , 580, 115-20	3.7	120

374	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , <b>2007</b> , 80, 2298-302	6.8	112
373	Effect of intravesical nitric oxide therapy on cyclophosphamide-induced cystitis. <i>Journal of Urology</i> , <b>1999</b> , 162, 2211-6	2.5	112
372	Changes in afferent activity after spinal cord injury. <i>Neurourology and Urodynamics</i> , <b>2010</b> , 29, 63-76	2.3	110
371	Plasticity of Na <sup>+</sup> channels in afferent neurones innervating rat urinary bladder following spinal cord injury. <i>Journal of Physiology</i> , <b>1997</b> , 503 ( Pt 2), 269-76	3.9	107
370	Adrenergic- and capsaicin-evoked nitric oxide release from urothelium and afferent nerves in urinary bladder. <i>American Journal of Physiology - Renal Physiology</i> , <b>1998</b> , 275, F226-9	4.3	107
369	A sympathetic projection from sacral paravertebral ganglia to the pelvic nerve and to postganglionic nerves on the surface of the urinary bladder and large intestine of the cat. <i>Journal of Comparative Neurology</i> , <b>1984</b> , 226, 76-86	3.4	105
368	The role of capsaicin-sensitive afferent fibers in the lower urinary tract dysfunction induced by chronic spinal cord injury in rats. <i>Experimental Neurology</i> , <b>2004</b> , 187, 445-54	5.7	104
367	Expression and function of bradykinin B1 and B2 receptors in normal and inflamed rat urinary bladder urothelium. <i>Journal of Physiology</i> , <b>2005</b> , 562, 859-71	3.9	103
366	Nitric oxide modulates Ca(2+) channels in dorsal root ganglion neurons innervating rat urinary bladder. <i>Journal of Neurophysiology</i> , <b>2001</b> , 86, 304-11	3.2	102
365	Increased expression of neuronal nitric oxide synthase in bladder afferent pathways following chronic bladder irritation. <i>Journal of Comparative Neurology</i> , <b>1996</b> , 370, 191-202	3.4	100
364	Diabetic Cystopathy Correlates With a Long-Term Decrease in Nerve Growth Factor Levels in The Bladder and Lumbosacral Dorsal Root Ganglia. <i>Journal of Urology</i> , <b>2002</b> , 168, 1259-1264	2.5	99
363	Spinal reflex control of micturition after spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , <b>2006</b> , 24, 69-78	2.8	98
362	Expression of functional nicotinic acetylcholine receptors in rat urinary bladder epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2006</b> , 290, F103-10	4.3	97
361	Activation of muscarinic receptors in rat bladder sensory pathways alters reflex bladder activity. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 1977-87	6.6	94
360	Urethral closure mechanisms under sneeze-induced stress condition in rats: a new animal model for evaluation of stress urinary incontinence. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 285, R356-65	3.2	94
359	Drug Insight: biological effects of botulinum toxin A in the lower urinary tract. <i>Nature Reviews Urology</i> , <b>2008</b> , 5, 319-28		93
358	Suppression of detrusor-sphincter dyssynergia by immunoneutralization of nerve growth factor in lumbosacral spinal cord in spinal cord injured rats. <i>Journal of Urology</i> , <b>2004</b> , 171, 478-82	2.5	93
357	Spinal cord projections and neuropeptides in visceral afferent neurons. <i>Progress in Brain Research</i> , <b>1986</b> , 67, 165-87	2.9	93

356	Plasticity in reflex pathways to the lower urinary tract following spinal cord injury. <i>Experimental Neurology</i> , <b>2012</b> , 235, 123-32	5.7	92
355	Persistence and survival of autologous muscle derived cells versus bovine collagen as potential treatment of stress urinary incontinence. <i>Journal of Urology</i> , <b>2001</b> , 165, 271-6	2.5	92
354	Evidence for inhibitory nicotinic and facilitatory muscarinic receptors in cholinergic nerve terminals of the rat urinary bladder. <i>Journal of the Autonomic Nervous System</i> , <b>1992</b> , 37, 89-97		92
353	Primary afferent projections of the major splanchnic nerve to the spinal cord and gracile nucleus of the cat. <i>Journal of Comparative Neurology</i> , <b>1985</b> , 231, 421-34	3.4	92
352	An artificial somatic-central nervous system-autonomic reflex pathway for controllable micturition after spinal cord injury: preliminary results in 15 patients. <i>Journal of Urology</i> , <b>2003</b> , 170, 1237-41	2.5	91
351	Transneuronal labeling of neurons in the adult rat central nervous system following inoculation of pseudorabies virus into the colon. <i>Cell and Tissue Research</i> , <b>2000</b> , 299, 9-26	4.2	91
350	Activation of alpha1D adrenergic receptors in the rat urothelium facilitates the micturition reflex. <i>Journal of Urology</i> , <b>2006</b> , 175, 358-64	2.5	89
349	Intraurethral muscle-derived cell injections increase leak point pressure in a rat model of intrinsic sphincter deficiency. <i>Urology</i> , <b>2004</b> , 63, 780-5	1.6	89
348	Localization of NADPH diaphorase in the lumbosacral spinal cord and dorsal root ganglia of the cat. <i>Journal of Comparative Neurology</i> , <b>1994</b> , 339, 62-75	3.4	88
347	Histological and electrical properties of rat dorsal root ganglion neurons innervating the lower urinary tract. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 4355-61	6.6	87
346	Morphological and electrophysiological properties of pelvic ganglion cells in the rat. <i>Brain Research</i> , <b>1986</b> , 382, 61-70	3.7	87
345	Neural control of the female urethral and anal rhabdosphincters and pelvic floor muscles. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R416-38	3.2	84
344	External urethral sphincter activity in a rat model of pudendal nerve injury. <i>Neurourology and Urodynamics</i> , <b>2006</b> , 25, 388-96	2.3	84
343	Targeting afferent hyperexcitability for therapy of the painful bladder syndrome. <i>Urology</i> , <b>2002</b> , 59, 61-71.6	1.6	84
342	Alteration by urethane of glutamatergic control of micturition. <i>European Journal of Pharmacology</i> , <b>1994</b> , 264, 417-25	5.3	83
341	DMSO: effect on bladder afferent neurons and nitric oxide release. <i>Journal of Urology</i> , <b>1997</b> , 158, 1989-95	5	82
340	Anatomy and physiology of the lower urinary tract. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2015</b> , 130, 61-108	3	81
339	Gene therapy using replication-defective herpes simplex virus vectors expressing nerve growth factor in a rat model of diabetic cystopathy. <i>Diabetes</i> , <b>2004</b> , 53, 2723-30	0.9	80

338	Block of external urethral sphincter contraction by high frequency electrical stimulation of pudendal nerve. <i>Journal of Urology</i> , <b>2004</b> , 172, 2069-72	2.5	80
337	Serotonergic drugs and spinal cord transections indicate that different spinal circuits are involved in external urethral sphincter activity in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 292, F1044-53	4.3	79
336	The role of bladder-to-urethral reflexes in urinary continence mechanisms in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2004</b> , 287, F434-41	4.3	78
335	Reactive oxygen species mediate detrusor overactivity via sensitization of afferent pathway in the bladder of anaesthetized rats. <i>BJU International</i> , <b>2008</b> , 101, 775-80	5.6	77
334	Bladder inhibition or voiding induced by pudendal nerve stimulation in chronic spinal cord injured cats. <i>Neurourology and Urodynamics</i> , <b>2007</b> , 26, 570-577	2.3	76
333	HERPES SIMPLEX VIRUS MEDIATED NERVE GROWTH FACTOR EXPRESSION IN BLADDER AND AFFERENT NEURONS: POTENTIAL TREATMENT FOR DIABETIC BLADDER DYSFUNCTION. <i>Journal of Urology</i> , <b>2001</b> , 165, 1748-1754	2.5	76
332	Function, signal transduction mechanisms and plasticity of presynaptic muscarinic receptors in the urinary bladder. <i>Life Sciences</i> , <b>1999</b> , 64, 411-8	6.8	76
331	Neural control of the urinary bladder: Possible relationship between peptidergic inhibitory mechanisms and detrusor instability. <i>Neurourology and Urodynamics</i> , <b>1985</b> , 4, 285-300	2.3	76
330	Developmental synaptic depression underlying reorganization of visceral reflex pathways in the spinal cord. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 8402-7	6.6	73
329	Dopaminergic mechanisms underlying bladder hyperactivity in rats with a unilateral 6-hydroxydopamine (6-OHDA) lesion of the nigrostriatal pathway. <i>British Journal of Pharmacology</i> , <b>2003</b> , 139, 1425-32	8.6	73
328	Changes in micturition after spinal cord injury in conscious rats. <i>Urology</i> , <b>1999</b> , 54, 929-33	1.6	73
327	Urethral dysfunction in diabetic rats. <i>Journal of Urology</i> , <b>2004</b> , 171, 1959-64	2.5	72
326	Simulation of nerve block by high-frequency sinusoidal electrical current based on the Hodgkin-Huxley model. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2005</b> , 13, 415-22	4.8	72
325	Simulation analysis of conduction block in unmyelinated axons induced by high-frequency biphasic electrical currents. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2005</b> , 52, 1323-32	5	72
324	Anatomy of the central neural pathways controlling the lower urinary tract. <i>European Urology</i> , <b>1998</b> , 34 Suppl 1, 2-5	10.2	72
323	Intravesical liposome administration--a novel treatment for hyperactive bladder in the rat. <i>Urology</i> , <b>2003</b> , 61, 656-63	1.6	71
322	Immunoneutralization of nerve growth factor in lumbosacral spinal cord reduces bladder hyperreflexia in spinal cord injured rats. <i>Journal of Urology</i> , <b>2002</b> , 168, 2269-74	2.5	71
321	Unmasking of a neonatal somatovesical reflex in adult cats by the serotonin autoreceptor agonist 5-methoxy-N,N-dimethyltryptamine. <i>Developmental Brain Research</i> , <b>1990</b> , 54, 35-42		70

320	Sustained intravesical drug delivery using thermosensitive hydrogel. <i>Pharmaceutical Research</i> , <b>2004</b> , 21, 832-7	4.5	69
319	Increased c-fos expression in spinal lumbosacral projection neurons and preganglionic neurons after irritation of the lower urinary tract in the rat. <i>Brain Research</i> , <b>1999</b> , 834, 55-65	3.7	69
318	Role of Spinal Nitric Oxide in the Facilitation of the Micturition Reflex by Bladder Irritation. <i>Journal of Urology</i> , <b>1996</b> , 155, 355-360	2.5	69
317	The central neural pathways involved in micturition in the neonatal rat as revealed by the injection of pseudorabies virus into the urinary bladder. <i>Neuroscience Letters</i> , <b>1997</b> , 223, 197-200	3.3	67
316	Sensitization of pelvic afferent nerves in the in vitro rat urinary bladder-pelvic nerve preparation by purinergic agonists and cyclophosphamide pretreatment. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 294, F1146-56	4.3	66
315	Pudendal-to-bladder reflex in chronic spinal-cord-injured cats. <i>Experimental Neurology</i> , <b>2006</b> , 197, 225-34	7	66
314	Brain switch for reflex micturition control detected by FMRI in rats. <i>Journal of Neurophysiology</i> , <b>2009</b> , 102, 2719-30	3.2	63
313	Mechanism of nerve conduction block induced by high-frequency biphasic electrical currents. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 2445-54	5	62
312	Localization of NADPH diaphorase in bladder afferent and postganglionic efferent neurons of the rat. <i>Journal of the Autonomic Nervous System</i> , <b>1993</b> , 44, 85-90		62
311	Pannexin 1 channels mediate the release of ATP into the lumen of the rat urinary bladder. <i>Journal of Physiology</i> , <b>2015</b> , 593, 1857-71	3.9	60
310	Biaxial mechanical properties of muscle-derived cell seeded small intestinal submucosa for bladder wall reconstitution. <i>Biomaterials</i> , <b>2005</b> , 26, 443-9	15.6	60
309	Localization of NADPH-diaphorase in pelvic afferent and efferent pathways of the rat. <i>Neuroscience Letters</i> , <b>1993</b> , 152, 72-6	3.3	59
308	Botulinum neurotoxin serotype A suppresses neurotransmitter release from afferent as well as efferent nerves in the urinary bladder. <i>European Urology</i> , <b>2012</b> , 62, 1157-64	10.2	58
307	Prolonged poststimulation inhibition of bladder activity induced by tibial nerve stimulation in cats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 300, F385-92	4.3	58
306	Percutaneous tibial nerve stimulation: a clinically and cost effective addition to the overactive bladder algorithm of care. <i>Current Urology Reports</i> , <b>2012</b> , 13, 327-34	2.9	57
305	Intravesical protamine sulfate and potassium chloride as a model for bladder hyperactivity. <i>Urology</i> , <b>2003</b> , 61, 664-70	1.6	57
304	Abnormal excitability in capsaicin-responsive DRG neurons from cats with feline interstitial cystitis. <i>Experimental Neurology</i> , <b>2005</b> , 193, 437-43	5.7	56
303	Passive Biaxial Mechanical Properties of the Rat Bladder Wall After Spinal Cord Injury. <i>Journal of Urology</i> , <b>2002</b> , 167, 2247-2252	2.5	56

302	Effect of stimulation intensity and botulinum toxin isoform on rat bladder strip contractions. <i>Brain Research Bulletin</i> , <b>2003</b> , 61, 165-71	3.9	54
301	The effect of rhizotomy on NADPH diaphorase staining in the lumbar spinal cord of the rat. <i>Brain Research</i> , <b>1993</b> , 607, 349-53	3.7	52
300	Urodynamic and immunohistochemical evaluation of intravesical capsaicin delivery using thermosensitive hydrogel and liposomes. <i>Journal of Urology</i> , <b>2004</b> , 171, 483-9	2.5	51
299	Sympathetic efferent pathways projecting to the bladder neck and proximal urethra in the rat. <i>Journal of the Autonomic Nervous System</i> , <b>1997</b> , 62, 134-42		50
298	Detrusor overactivity induced by intravesical application of adenosine 5Rtriphosphate under different delivery conditions in rats. <i>Urology</i> , <b>2005</b> , 66, 1332-7	1.6	50
297	Muscle-derived cell transplantation and differentiation into lower urinary tract smooth muscle. <i>Urology</i> , <b>2001</b> , 57, 826-31	1.6	50
296	Effect of botulinum toxin A on urothelial-release of ATP and expression of SNARE targets within the urothelium. <i>Neurourology and Urodynamics</i> , <b>2015</b> , 34, 79-84	2.3	49
295	How does neuromodulation work. <i>Neurourology and Urodynamics</i> , <b>2011</b> , 30, 762-5	2.3	49
294	Adrenergic receptor subtype expression in myocyte and non-myocyte cells in human female bladder. <i>Cell and Tissue Research</i> , <b>2010</b> , 342, 295-306	4.2	49
293	Autologous primary muscle-derived cells transfer into the lower urinary tract. <i>Tissue Engineering</i> , <b>2001</b> , 7, 395-404		49
292	Alterations in neural pathways to the urinary bladder of the rat in response to streptozotocin-induced diabetes. <i>Journal of the Autonomic Nervous System</i> , <b>1994</b> , 47, 83-94		49
291	Tetrodotoxin-resistant sodium channels Na(v)1.8/SNS and Na(v)1.9/NaN in afferent neurons innervating urinary bladder in control and spinal cord injured rats. <i>Brain Research</i> , <b>2003</b> , 963, 132-8	3.7	48
290	Neural pathways involved in sacral neuromodulation of reflex bladder activity in cats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2013</b> , 304, F710-7	4.3	47
289	Differential role of opioid receptors in tibial nerve inhibition of nociceptive and nonnociceptive bladder reflexes in cats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 302, F1090-7	4.3	47
288	Effect of duloxetine, a norepinephrine and serotonin reuptake inhibitor, on sneeze-induced urethral continence reflex in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 295, F264-71	4.3	47
287	Roles of glutamatergic and serotonergic mechanisms in reflex control of the external urethral sphincter in urethane-anesthetized female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R224-34	3.2	47
286	Role of noradrenergic pathways in sneeze-induced urethral continence reflex in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 292, F639-46	4.3	47
285	Plasticity of bladder reflex pathways during postnatal development. <i>Physiology and Behavior</i> , <b>2002</b> , 77, 689-92	3.5	47



284	Developmental changes in spontaneous smooth muscle activity in the neonatal rat urinary bladder. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 285, R809-16	3.2	46
283	Irritation induced bladder overactivity is suppressed by tibial nerve stimulation in cats. <i>Journal of Urology</i> , <b>2011</b> , 186, 326-30	2.5	45
282	Effects of isolectin B4-conjugated saporin, a targeting cytotoxin, on bladder overactivity induced by bladder irritation. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 474-82	3.5	45
281	Behavioral analysis of the postnatal development of micturition in kittens. <i>Developmental Brain Research</i> , <b>1989</b> , 46, 137-44		45
280	The effects of glycine, GABA and strychnine on sacral parasympathetic preganglionic neurones. <i>Brain Research</i> , <b>1970</b> , 18, 542-4	3.7	45
279	Pathophysiology and animal modeling of underactive bladder. <i>International Urology and Nephrology</i> , <b>2014</b> , 46 Suppl 1, S11-21	2.3	44
278	Neurokinins enhance excitability in capsaicin-responsive DRG neurons. <i>Experimental Neurology</i> , <b>2007</b> , 205, 92-100	5.7	44
277	Role of the forebrain in bladder overactivity following cerebral infarction in the rat. <i>Experimental Neurology</i> , <b>2000</b> , 163, 469-76	5.7	44
276	Effects of WAY100635, a selective 5-HT1A-receptor antagonist on the micturition-reflex pathway in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2001</b> , 280, R1407-13	3.2	44
275	Selective facilitatory effect of vasoactive intestinal polypeptide (VIP) on muscarinic firing in vesical ganglia of the cat. <i>Brain Research</i> , <b>1985</b> , 336, 223-34	3.7	44
274	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> , <b>2016</b> , 310, R752-8	3.2	44
273	KW-7158 [(2S)-(+)-3,3,3-trifluoro-2-hydroxy-2-methyl-N-(5,5,10-trioxo-4,10-dihydrothieno[3,2-c][1]benzothiepin-9-yl)propanamide] enhances A-type K <sup>+</sup> currents in neurons of the dorsal root ganglion of the adult rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 309, 150-60	4.7	43
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135	Effect of non-symmetric waveform on conduction block induced by high-frequency (kHz) biphasic stimulation in unmyelinated axon. <i>Journal of Computational Neuroscience</i> , <b>2014</b> , 37, 377-86	1.4	15
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