

William C De Groat

List of Publications by Year in descending order

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416
papers

23,223
citations

5876

81
h-index

14156

128
g-index

417
all docs

417
docs citations

417
times ranked

7548
citing authors

#	ARTICLE	IF	CITATIONS
1	The neural control of micturition. <i>Nature Reviews Neuroscience</i> , 2008, 9, 453-466.	4.9	1,171
2	A neurologic basis for the overactive bladder. <i>Urology</i> , 1997, 50, 36-52.	0.5	546
3	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> , 1981, 201, 415-440.	0.9	461
4	Organization of the sacral parasympathetic reflex pathways to the urinary bladder and large intestine. <i>Journal of the Autonomic Nervous System</i> , 1981, 3, 135-160.	1.9	452
5	Integrative control of the lower urinary tract: preclinical perspective. <i>British Journal of Pharmacology</i> , 2006, 147, S25-S40.	2.7	354
6	Neural Control of the Lower Urinary Tract. , 2015, 5, 327-396.		337
7	Increased Excitability of Afferent Neurons Innervating Rat Urinary Bladder after Chronic Bladder Inflammation. <i>Journal of Neuroscience</i> , 1999, 19, 4644-4653.	1.7	328
8	Effect of Bladder Outlet Obstruction on Micturition Reflex Pathways in the Rat. <i>Journal of Urology</i> , 1988, 140, 864-871.	0.2	311
9	Mechanisms of Disease: involvement of the urothelium in bladder dysfunction. <i>Nature Reviews Urology</i> , 2007, 4, 46-54.	1.4	306
10	INTRAVESICAL CAPSAICIN AND RESINIFERATOXIN THERAPY: SPICING UP THE WAYS TO TREAT THE OVERACTIVE BLADDER. <i>Journal of Urology</i> , 1999, 162, 3-11.	0.2	305
11	PHARMACOLOGY OF THE LOWER URINARY TRACT. <i>Annual Review of Pharmacology and Toxicology</i> , 2001, 41, 691-721.	4.2	299
12	Alterations in afferent pathways from the urinary bladder of the rat in response to partial urethral obstruction. <i>Journal of Comparative Neurology</i> , 1991, 310, 401-410.	0.9	237
13	Sympathetic inhibition of the urinary bladder and of pelvic ganglionic transmission in the cat. <i>Journal of Physiology</i> , 1972, 220, 297-314.	1.3	233
14	URETHRAL AFFERENT NERVE ACTIVITY AFFECTS THE MICTURITION REFLEX; IMPLICATION FOR THE RELATIONSHIP BETWEEN STRESS INCONTINENCE AND DETRUSOR INSTABILITY. <i>Journal of Urology</i> , 1999, 162, 204-212.	0.2	225
15	Afferent Nerve Regulation of Bladder Function in Health and Disease. <i>Handbook of Experimental Pharmacology</i> , 2009, , 91-138.	0.9	223
16	Mechanisms underlying the recovery of lower urinary tract function following spinal cord injury. <i>Progress in Brain Research</i> , 2006, 152, 59-84.	0.9	210
17	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
18	Developmental and injury induced plasticity in the micturition reflex pathway. <i>Behavioural Brain Research</i> , 1998, 92, 127-140.	1.2	208

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19	The urothelium in overactive bladder: Passive bystander or active participant?. Urology, 2004, 64, 7-11.	0.5	205
20	Neural Control of the Lower Urinary Tract. International Journal of Urology, 1997, 4, 111-125.	0.5	193
21	Tadalafil for the treatment of lower urinary tract symptoms secondary to benign prostatic hyperplasia: Pathophysiology and mechanism(s) of action. Neurourology and Urodynamics, 2011, 30, 292-301.	0.8	185
22	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. Neurourology and Urodynamics, 2000, 19, 279-287.	0.8	177
23	Immunoneutralization of Nerve Growth Factor in Lumbosacral Spinal Cord Reduces Bladder Hyperreflexia in Spinal Cord Injured Rats.. Journal of Urology, 2002, 168, 2269-2274.	0.2	176
24	Transneuronal labeling of neurons in the adult rat brainstem and spinal cord after injection of pseudorabies virus into the urethra. Journal of Comparative Neurology, 1995, 355, 629-640.	0.9	170
25	Effect of Botulinum Toxin A on the Autonomic Nervous System of the Rat Lower Urinary Tract. Journal of Urology, 2003, 169, 1896-1900.	0.2	168
26	Effect of capsaicin on micturition and associated reflexes in chronic spinal rats. Brain Research, 1995, 678, 40-48.	1.1	161
27	ANATOMY AND PHYSIOLOGY OF THE LOWER URINARY TRACT. Urologic Clinics of North America, 1993, 20, 383-401.	0.8	159
28	Adrenergic- and capsaicin-evoked nitric oxide release from urothelium and afferent nerves in urinary bladder. American Journal of Physiology - Renal Physiology, 1998, 275, F226-F229.	1.3	158
29	Reflex firing in the lumbar sympathetic outflow to activation of vesical afferent fibres*. Journal of Physiology, 1972, 226, 289-309.	1.3	156
30	Bladder Overactivity and Hyperexcitability of Bladder Afferent Neurons after Intrathecal Delivery of Nerve Growth Factor in Rats. Journal of Neuroscience, 2006, 26, 10847-10855.	1.7	154
31	Differential distribution of nitric oxide synthase in neural pathways to the urogenital organs (urethra, penis, urinary bladder) of the rat. Brain Research, 1994, 646, 279-291.	1.1	152
32	Influence of central serotonergic mechanisms on lower urinary tract function. Urology, 2002, 59, 30-36.	0.5	151
33	Changes in afferent activity after spinal cord injury. Neurourology and Urodynamics, 2010, 29, 63-76.	0.8	140
34	THE ROLE OF BLADDER AFFERENT PATHWAYS IN BLADDER HYPERACTIVITY INDUCED BY THE INTRAVESICAL ADMINISTRATION OF NERVE GROWTH FACTOR. Journal of Urology, 2001, 165, 975-979.	0.2	138
35	Segmental distribution and central projections of renal afferent fibers in the cat studied by transganglionic transport of horseradish peroxidase. Journal of Comparative Neurology, 1983, 216, 162-174.	0.9	136
36	The Involvement of the Tetrodotoxin-Resistant Sodium Channel Na _v 1.8 (PN3/SNS) in a Rat Model of Visceral Pain. Journal of Neuroscience, 2001, 21, 8690-8696.	1.7	132

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37	Non-neuronal acetylcholine and urinary bladder urothelium. <i>Life Sciences</i> , 2007, 80, 2298-2302.	2.0	130
38	Plasticity of Na ⁺ -Channels in Afferent Neurones Innervating Rat Urinary Bladder Following Spinal Cord Injury. <i>Journal of Physiology</i> , 1997, 503, 269-276.	1.3	125
39	The effect of glutamate antagonists on c-fos expression induced in spinal neurons by irritation of the lower urinary tract. <i>Brain Research</i> , 1992, 580, 115-120.	1.1	124
40	EFFECT OF INTRAVESICAL NITRIC OXIDE THERAPY ON CYCLOPHOSPHAMIDE-INDUCED CYSTITIS. <i>Journal of Urology</i> , 1999, 162, 2211-2216.	0.2	124
41	Plasticity in reflex pathways to the lower urinary tract following spinal cord injury. <i>Experimental Neurology</i> , 2012, 235, 123-132.	2.0	123
42	Chapter 11 Spinal cord projections and neuropeptides in visceral afferent neurons. <i>Progress in Brain Research</i> , 1986, 67, 165-187.	0.9	116
43	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> , 2002, 168, 1259-1264.	0.2	116
44	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> , 2004, 187, 445-454.	2.0	116
45	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> , 1984, 226, 76-86.	0.9	114
46	Expression and function of bradykinin B1 and B2 receptors in normal and inflamed rat urinary bladder urothelium. <i>Journal of Physiology</i> , 2005, 562, 859-871.	1.3	113
47	Anatomy and physiology of the lower urinary tract. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2015, 130, 61-108.	1.0	113
48	Increased expression of neuronal nitric oxide synthase in bladder afferent pathways following chronic bladder irritation. , 1996, 370, 191-202.		111
49	Nitric Oxide Modulates Ca ²⁺ Channels in Dorsal Root Ganglion Neurons Innervating Rat Urinary Bladder. <i>Journal of Neurophysiology</i> , 2001, 86, 304-311.	0.9	108
50	Drug Insight: biological effects of botulinum toxin A in the lower urinary tract. <i>Nature Reviews Urology</i> , 2008, 5, 319-328.	1.4	108
51	Spinal reflex control of micturition after spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2006, 24, 69-78.	0.4	108
52	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> , 2004, 171, 478-482.	0.2	107
53	Intraurethral muscle-derived cell injections increase leak point pressure in a rat model of intrinsic sphincter deficiency. <i>Urology</i> , 2004, 63, 780-785.	0.5	107
54	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> , 1992, 37, 89-97.	1.9	105

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55	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> , 2003, 170, 1237-1241.	0.2	104
56	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
57	Neural control of the female urethral and anal rhabdosphincters and pelvic floor muscles. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R416-R438.	0.9	104
58	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> , 2003, 285, R356-R365.	0.9	103
59	Activation of Muscarinic Receptors in Rat Bladder Sensory Pathways Alters Reflex Bladder Activity. <i>Journal of Neuroscience</i> , 2008, 28, 1977-1987.	1.7	101
60	PERSISTENCE AND SURVIVAL OF AUTOLOGOUS MUSCLE DERIVED CELLS VERSUS BOVINE COLLAGEN AS POTENTIAL TREATMENT OF STRESS URINARY INCONTINENCE. <i>Journal of Urology</i> , 2001, 165, 271-276.	0.2	100
61	Primary afferent projections of the major splanchnic nerve to the spinal cord and gracile nucleus of the cat. <i>Journal of Comparative Neurology</i> , 1985, 231, 421-434.	0.9	99
62	Localization of NADPH diaphorase in the lumbosacral spinal cord and dorsal root ganglia of the cat. <i>Journal of Comparative Neurology</i> , 1994, 339, 62-75.	0.9	97
63	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> , 2003, 139, 1425-1432.	2.7	97
64	External urethral sphincter activity in a rat model of pudendal nerve injury. <i>Neurourology and Urodynamics</i> , 2006, 25, 388-396.	0.8	97
65	Morphological and electrophysiological properties of pelvic ganglion cells in the rat. <i>Brain Research</i> , 1986, 382, 61-70.	1.1	96
66	Alteration by urethane of glutamatergic control of micturition. <i>European Journal of Pharmacology</i> , 1994, 264, 417-425.	1.7	96
67	HERPES SIMPLEX VIRUS MEDIATED NERVE GROWTH FACTOR EXPRESSION IN BLADDER AND AFFERENT NEURONS: POTENTIAL TREATMENT FOR DIABETIC BLADDER DYSFUNCTION. <i>Journal of Urology</i> , 2001, 165, 1748-1754.	0.2	96
68	BLOCK OF EXTERNAL URETHRAL SPHINCTER CONTRACTION BY HIGH FREQUENCY ELECTRICAL STIMULATION OF PUDENDAL NERVE. <i>Journal of Urology</i> , 2004, 172, 2069-2072.	0.2	96
69	DMSO: EFFECT ON BLADDER AFFERENT NEURONS AND NITRIC OXIDE RELEASE. <i>Journal of Urology</i> , 1997, 158, 1989-1995.	0.2	95
70	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> , 2000, 299, 9-26.	1.5	95
71	Histological and Electrical Properties of Rat Dorsal Root Ganglion Neurons Innervating the Lower Urinary Tract. <i>Journal of Neuroscience</i> , 2003, 23, 4355-4361.	1.7	95
72	Simulation Analysis of Conduction Block in Unmyelinated Axons Induced by High-Frequency Biphasic Electrical Currents. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1323-1332.	2.5	95

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73	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> , 2007, 292, F1044-F1053.	1.3	93
74	Gene Therapy Using Replication-Defective Herpes Simplex Virus Vectors Expressing Nerve Growth Factor in a Rat Model of Diabetic Cystopathy. <i>Diabetes</i> , 2004, 53, 2723-2730.	0.3	92
75	Activation of α_1 D Adrenergic Receptors in the Rat Urothelium Facilitates the Micturition Reflex. <i>Journal of Urology</i> , 2006, 175, 358-364.	0.2	92
76	Targeting afferent hyperexcitability for therapy of the painful bladder syndrome. <i>Urology</i> , 2002, 59, 61-67.	0.5	91
77	Anatomy of the Central Neural Pathways Controlling the Lower Urinary Tract. <i>European Urology</i> , 1998, 34, 2-5.	0.9	90
78	Bladder inhibition or voiding induced by pudendal nerve stimulation in chronic spinal cord injured cats. <i>Neurourology and Urodynamics</i> , 2007, 26, 570-577.	0.8	89
79	Reactive oxygen species mediate detrusor overactivity via sensitization of afferent pathway in the bladder of anaesthetized rats. <i>BJU International</i> , 2008, 101, 775-780.	1.3	87
80	Intravesical liposome administration—a novel treatment for hyperactive bladder in the rat. <i>Urology</i> , 2003, 61, 656-663.	0.5	86
81	The role of bladder-to-urethral reflexes in urinary continence mechanisms in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F434-F441.	1.3	86
82	Developmental Synaptic Depression Underlying Reorganization of Visceral Reflex Pathways in the Spinal Cord. <i>Journal of Neuroscience</i> , 1997, 17, 8402-8407.	1.7	85
83	Changes in micturition after spinal cord injury in conscious rats. <i>Urology</i> , 1999, 54, 929-933.	0.5	85
84	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> , 2005, 13, 415-422.	2.7	84
85	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> , 1999, 834, 55-65.	1.1	83
86	Function, signal transduction mechanisms and plasticity of presynaptic muscarinic receptors in the urinary bladder. <i>Life Sciences</i> , 1999, 64, 411-418.	2.0	83
87	Neural control of the urinary bladder: Possible relationship between peptidergic inhibitory mechanisms and detrusor instability. <i>Neurourology and Urodynamics</i> , 1985, 4, 285-300.	0.8	82
88	Sustained Intravesical Drug Delivery Using Thermosensitive Hydrogel. <i>Pharmaceutical Research</i> , 2004, 21, 832-837.	1.7	82
89	Urethral Dysfunction in Diabetic Rats. <i>Journal of Urology</i> , 2004, 171, 1959-1964.	0.2	81
90	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> , 1997, 223, 197-200.	1.0	80

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91	Brain Switch for Reflex Micturition Control Detected by fMRI in Rats. <i>Journal of Neurophysiology</i> , 2009, 102, 2719-2730.	0.9	80
92	Role of Spinal Nitric Oxide in the Facilitation of the Micturition Reflex by Bladder Irritation. <i>Journal of Urology</i> , 1996, 155, 355-360.	0.2	78
93	Mechanism of Nerve Conduction Block Induced by High-Frequency Biphasic Electrical Currents. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 2445-2454.	2.5	78
94	Unmasking of a neonatal somatovesical reflex in adult cats by the serotonin autoreceptor agonist 5-methoxy-N,N-dimethyltryptamine. <i>Developmental Brain Research</i> , 1990, 54, 35-42.	2.1	77
95	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> , 2008, 294, F1146-F1156.	1.3	75
96	Pannexin 1 channels mediate the release of ATP into the lumen of the rat urinary bladder. <i>Journal of Physiology</i> , 2015, 593, 1857-1871.	1.3	75
97	Immunoneutralization of nerve growth factor in lumbosacral spinal cord reduces bladder hyperreflexia in spinal cord injured rats. <i>Journal of Urology</i> , 2002, 168, 2269-74.	0.2	75
98	Localization of NADPH diaphorase in bladder afferent and postganglionic efferent neurons of the rat. <i>Journal of the Autonomic Nervous System</i> , 1993, 44, 85-90.	1.9	71
99	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
100	Percutaneous Tibial Nerve Stimulation: A Clinically and Cost Effective Addition to the Overactive Bladder Algorithm of Care. <i>Current Urology Reports</i> , 2012, 13, 327-334.	1.0	71
101	Pudendal-to-bladder reflex in chronic spinal-cord-injured cats. <i>Experimental Neurology</i> , 2006, 197, 225-234.	2.0	68
102	Localization of NADPH-diaphorase in pelvic afferent and efferent pathways of the rat. <i>Neuroscience Letters</i> , 1993, 152, 72-76.	1.0	67
103	Passive Biaxial Mechanical Properties of the Rat Bladder Wall After Spinal Cord Injury. <i>Journal of Urology</i> , 2002, 167, 2247-2252.	0.2	67
104	Biaxial mechanical properties of muscle-derived cell seeded small intestinal submucosa for bladder wall reconstitution. <i>Biomaterials</i> , 2005, 26, 443-449.	5.7	66
105	Prolonged poststimulation inhibition of bladder activity induced by tibial nerve stimulation in cats. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F385-F392.	1.3	66
106	Urodynamic and Immunohistochemical Evaluation of Intravesical Capsaicin Delivery Using Thermosensitive Hydrogel and Liposomes. <i>Journal of Urology</i> , 2004, 171, 483-489.	0.2	65
107	Effect of stimulation intensity and botulinum toxin isoform on rat bladder strip contractions. <i>Brain Research Bulletin</i> , 2003, 61, 165-171.	1.4	62
108	Abnormal excitability in capsaicin-responsive DRG neurons from cats with feline interstitial cystitis. <i>Experimental Neurology</i> , 2005, 193, 437-443.	2.0	62

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109	β ₂ -Adrenergic receptor subtype expression in myocyte and non-myocyte cells in human female bladder. <i>Cell and Tissue Research</i> , 2010, 342, 295-306.	1.5	62
110	How does neuromodulation work. <i>Neurourology and Urodynamics</i> , 2011, 30, 762-765.	0.8	62
111	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
112	The effect of rhizotomy on NADPH diaphorase staining in the lumbar spinal cord of the rat. <i>Brain Research</i> , 1993, 607, 349-353.	1.1	60
113	Intravesical protamine sulfate and potassium chloride as a model for bladder hyperactivity. <i>Urology</i> , 2003, 61, 664-670.	0.5	60
114	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
115	Autologous Primary Muscle-Derived Cells Transfer into the Lower Urinary Tract. <i>Tissue Engineering</i> , 2001, 7, 395-404.	4.9	58
116	Plasticity of bladder reflex pathways during postnatal development. <i>Physiology and Behavior</i> , 2002, 77, 689-692.	1.0	58
117	Role of noradrenergic pathways in sneeze-induced urethral continence reflex in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F639-F646.	1.3	58
118	Sympathetic efferent pathways projecting to the bladder neck and proximal urethra in the rat. <i>Journal of the Autonomic Nervous System</i> , 1997, 62, 134-142.	1.9	57
119	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> , 2008, 295, F264-F271.	1.3	57
120	Muscle-derived cell transplantation and differentiation into lower urinary tract smooth muscle. <i>Urology</i> , 2001, 57, 826-831.	0.5	56
121	Tetrodotoxin-resistant sodium channels Nav1.8/SNS and Nav1.9/NaN in afferent neurons innervating urinary bladder in control and spinal cord injured rats. <i>Brain Research</i> , 2003, 963, 132-138.	1.1	56
122	Modulation of Voiding and Storage Reflexes by Activation of α ₁ -Adrenoceptors. <i>European Urology</i> , 1999, 36, 68-73.	0.9	55
123	Neural pathways involved in sacral neuromodulation of reflex bladder activity in cats. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F710-F717.	1.3	55
124	Effects of WAY100635, a selective 5-HT _{1A} -receptor antagonist on the micturition-reflex pathway in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R1407-R1413.	0.9	54
125	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> , 2006, 291, R224-R234.	0.9	54
126	Pathophysiology and animal modeling of underactive bladder. <i>International Urology and Nephrology</i> , 2014, 46, 11-21.	0.6	54

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127	Detrusor overactivity induced by intravesical application of adenosine 5â€²-triphosphate under different delivery conditions in rats. <i>Urology</i> , 2005, 66, 1332-1337.	0.5	53
128	GABA Receptor Activation in the Lumbosacral Spinal Cord Decreases Detrusor Overactivity in Spinal Cord Injured Rats. <i>Journal of Urology</i> , 2008, 179, 1178-1183.	0.2	53
129	Irritation Induced Bladder Overactivity is Suppressed by Tibial Nerve Stimulation in Cats. <i>Journal of Urology</i> , 2011, 186, 326-330.	0.2	53
130	Urothelial betaâ€³ adrenergic receptors in the rat bladder. <i>Neurourology and Urodynamics</i> , 2011, 30, 144-150.	0.8	53
131	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> , 2012, 302, F1090-F1097.	1.3	53
132	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> , 1994, 47, 83-94.	1.9	52
133	Role of the Forebrain in Bladder Overactivity Following Cerebral Infarction in the Rat. <i>Experimental Neurology</i> , 2000, 163, 469-476.	2.0	52
134	Behavioral analysis of the postnatal development of micturition in kittens. <i>Developmental Brain Research</i> , 1989, 46, 137-144.	2.1	50
135	Future Direction in Pharmacotherapy for Non-neurogenic Male Lower Urinary Tract Symptoms. <i>European Urology</i> , 2013, 64, 610-621.	0.9	50
136	Selective facilitatory effect of vasoactive intestinal polypeptide (VIP) on muscarinic firing in vesical ganglia of the cat. <i>Brain Research</i> , 1985, 336, 223-234.	1.1	49
137	Effect of capsaicin on the micturition reflex in normal and chronic spinal cord-injured cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R786-R794.	0.9	49
138	Changes in Dopaminergic and Glutamatergic Excitatory Mechanisms of Micturition Reflex after Middle Cerebral Artery Occlusion in Conscious Rats. <i>Experimental Neurology</i> , 2002, 173, 129-135.	2.0	49
139	Voiding reflex in chronic spinal cord injured cats induced by stimulating and blocking pudendal nerves. <i>Neurourology and Urodynamics</i> , 2007, 26, 879-886.	0.8	49
140	Developmental changes in spontaneous smooth muscle activity in the neonatal rat urinary bladder. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R809-R816.	0.9	48
141	Neurokinins enhance excitability in capsaicin-responsive DRG neurons. <i>Experimental Neurology</i> , 2007, 205, 92-100.	2.0	47
142	Influence of temperature on activity of the isolated whole bladder preparation of neonatal and adult rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 278, R238-R246.	0.9	46
143	Analysis of the afferent limb of the vesicovascular reflex using neurotoxins, resiniferatoxin and capsaicin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1302-R1310.	0.9	46
144	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 ⁺ Currents in Neurons of the Dorsal Root Ganglion of the Adult Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 159-168.	1.3	46

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