Antonio Avelino

List of Publications by Citations

45 papers	1,802 citations	26 h-index	42 g-index
48 ext. papers	1,937 ext. citations	4.3 avg, IF	4.26 L-index

#	Paper	IF	Citations
45	Vanilloid receptor 1 expression in the rat urinary tract. *Neuroscience*, **2002**, 109, 787-98	3.9	201
44	Anandamide-evoked activation of vanilloid receptor 1 contributes to the development of bladder hyperreflexia and nociceptive transmission to spinal dorsal horn neurons in cystitis. *Journal of Neuroscience*, **2004**, 24, 11253-63	6.6	164
43	TRPV1 (vanilloid receptor) in the urinary tract: expression, function and clinical applications. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2006**, 373, 287-99	3.4	141
42	Transient receptor potential vanilloid subfamily 1 is essential for the generation of noxious bladder input and bladder overactivity in cystitis. *Journal of Urology*, **2007**, 177, 1537-41	2.5	95
41	GRC-6211, a new oral specific TRPV1 antagonist, decreases bladder overactivity and noxious bladder input in cystitis animal models. *Journal of Urology*, **2009**, 181, 379-86	2.5	78
40	Distribution of the high-affinity binding site and intracellular target of botulinum toxin type A in the human bladder. *European Urology*, **2010**, 57, 884-90	10.2	70
39	Spread of onabotulinumtoxinA after bladder injection. Experimental study using the distribution of cleaved SNAP-25 as the marker of the toxin action. *European Urology*, **2012**, 61, 1178-84	10.2	57
38	Functional transient receptor potential vanilloid 1 is expressed in human urothelial cells. *Journal of Urology*, **2009**, 182, 2944-50	2.5	56
37	Peptide immunoreactivity and ultrastructure of rat urinary bladder nerve fibers after topical desensitization by capsaicin or resiniferatoxin. *Autonomic Neuroscience: Basic and Clinical*, **2000**, 86, 37-46	2.4	56
36	Intravesical resiniferatoxin decreases spinal c-fos expression and increases bladder volume to reflex micturition in rats with chronic inflamed urinary bladders. *BJU International*, **2004**, 94, 153-7	5.6	54
35	Increased spinal cord phosphorylation of extracellular signal-regulated kinases mediates micturition overactivity in rats with chronic bladder inflammation. *European Journal of Neuroscience* , **2005**, 21, 773-81	3.5	53
34	Morphological characterization of marginal (lamina I) neurons immunoreactive for substance P, enkephalin, dynorphin and gamma-aminobutyric acid in the rat spinal cord. *Journal of Chemical Neuroanatomy*, **1993**, 6, 43-52	3.2	51
33	Urodynamic effect of intravesical resiniferatoxin in patients with neurogenic detrusor overactivity of spinal origin: results of a double-blind randomized placebo-controlled trial. *European Urology*, **2005**, 48, 650-5	10.2	48
32	Mechanisms of prostate atrophy after glandular botulinum neurotoxin type a injection: an experimental study in the rat. *European Urology*, **2009**, 56, 134-40	10.2	44
31	The distribution of sensory fibers immunoreactive for the TRPV1 (capsaicin) receptor in the human prostate. *European Urology*, **2005**, 48, 162-7	10.2	43
30	Intravesical resiniferatoxin desensitizes rat bladder sensory fibres without causing intense noxious excitation. A c-fos study. *European Journal of Pharmacology*, **1999**, 378, 17-22	5.3	41
29	Characterisation of cannabinoid 1 receptor expression in the perikarya, and peripheral and spinal processes of primary sensory neurons. *Brain Structure and Function*, **2013**, 218, 733-50	4	40

28	Insulin induces cobalt uptake in a subpopulation of rat cultured primary sensory neurons. *European Journal of Neuroscience*, **2003**, 18, 2477-86	3.5	40
27	Activation of the c-fos proto-oncogene in the spinal cord following noxious stimulation of the urinary bladder. *Somatosensory & Motor Research*, **1994**, 11, 319-25	1.2	38
26	Spinal c-fos expression is differentially induced by brief or persistent noxious stimulation. *NeuroReport*, **1994**, 5, 1853-6	1.7	36
25	Neurochemical characterization of insulin receptor-expressing primary sensory neurons in wild-type and vanilloid type 1 transient receptor potential receptor knockout mice. *Journal of Comparative Neurology*, **2007**, 503, 334-47	3.4	32
24	Bladder sensory desensitization decreases urinary urgency. *BMC Urology*, **2007**, 7, 9	2.2	29
23	Bladder C-fiber desensitization induces a long-lasting improvement of BPH-associated storage LUTS: a pilot study. *European Urology*, **2004**, 46, 88-93; discussion 93-4	10.2	29
22	Desensitization follows excitation of bladder primary afferents by intravesical capsaicin, as shown by c-fos activation in the rat spinal cord. *Pain*, **1996**, 64, 553-557	8	27
21	Rat detrusor overactivity induced by chronic spinalization can be abolished by a transient receptor potential vanilloid 1 (TRPV1) antagonist. *Autonomic Neuroscience: Basic and Clinical*, **2012**, 166, 35-8	2.4	26
20	Intrathecal delivery of resiniferatoxin (RTX) reduces detrusor overactivity and spinal expression of TRPV1 in spinal cord injured animals. *Experimental Neurology*, **2008**, 214, 301-8	5.7	26
19	Effect of onabotulinumtoxinA on intramural parasympathetic ganglia: an experimental study in the guinea pig bladder. *Journal of Urology*, **2012**, 187, 1121-6	2.5	24
18	Lidocaine prevents noxious excitation of bladder afferents induced by intravesical capsaicin without interfering with the ensuing sensory desensitization: an experimental study in the rat. *Journal of Urology*, **1998**, 159, 567-70	2.5	22
17	Nerve growth factor regulates galanin and c-jun overexpression occurring in dorsal root ganglion cells after intravesical resiniferatoxin application. *Brain Research*, **2002**, 951, 264-9	3.7	22
16	Transient receptor potential vanilloid 1 mediates nerve growth factor-induced bladder hyperactivity and noxious input. *BJU International*, **2012**, 110, E422-8	5.6	20
15	VEGF signaling mediates bladder neuroplasticity and inflammation in response to BCG. *BMC Physiology*, **2011**, 11, 16	0	20
14	Modulated expression of c-Fos in the spinal cord following noxious thermal stimulation of monoarthritic rats. *Journal of Neuroscience Research*, **1998**, 53, 203-13	4.4	19
13	N-acyldopamines control striatal input terminals via novel ligand-gated cation channels. *Neuropharmacology*, **2009**, 56, 676-83	5.5	16
12	Cystitis is associated with TRPV1b-downregulation in rat dorsal root ganglia. *NeuroReport*, **2008**, 19, 1469-72	1.7	16
11	Prolonged exposure to bradykinin and prostaglandin E2 increases TRPV1 mRNA but does not alter TRPV1 and TRPV1b protein expression in cultured rat primary sensory neurons. *Neuroscience Letters*, **2014**, 564, 89-93	3.3	11

10	Expression of apoptosis-regulating genes in the rat prostate following botulinum toxin type A injection. *BMC Urology*, **2012**, 12, 1	2.2	11
9	Sites of renal pain processing in the rat spinal cord. A c-fos study using a percutaneous method to perform ureteral obstruction. *Journal of the Autonomic Nervous System*, **1997**, 67, 60-6		9
8	Modulation of urinary bladder innervation: TRPV1 and botulinum toxin A. *Handbook of Experimental Pharmacology*, **2011**, 345-74	3.2	9
7	Spared nerve injury model to study orofacial pain. *Indian Journal of Medical Research*, **2016**, 143, 297-302	2.9	7
6	Expression of cleaved SNAP-25 after bladder wall injection of onabotulinumtoxina or abobotulinumtoxina: A comparative study in the mice. *Neurourology and Urodynamics*, **2017**, 36, 86-90	2.3	6
5	Severe burn injury induces a characteristic activation of extracellular signal-regulated kinase 1/2 in spinal dorsal horn neurons. *European Journal of Pain*, **2011**, 15, 683-90	3.7	6
4	Inflammation of peripheral tissues and injury to peripheral nerves induce differing effects in the expression of the calcium-sensitive N-arachydonoylethanolamine-synthesizing enzyme and related molecules in rat primary sensory neurons. *Journal of Comparative Neurology*, **2017**, 525, 1778-1796	3.4	5
3	TRPV1 in Visceral Pain and Other Visceral Disorders206-238		2
2	Animal Models of Cystitis. *Methods in Pharmacology and Toxicology*, **2012**, 397-409	1.1	
1	Reply to Tomasz Drewa, Zbigniew Wolski and Janusz Tylochu Letter to the Editor re: Joo Silva, Rui Pinto, Tiago Carvallho, et al. Mechanisms of Prostate Atrophy after Glandular Botulinum Neurotoxin Type A Injection: An Experimental Study in the Rat. Eur Urol 2009;56:134 1. *European Urology*, **2009**, 56, e28-e29	10.2	