James Galligan

List of Publications by Year in Descending Order

145 papers	4,543 citations	38 h-index	65 g-index
149 ext. papers	4,868 ext. citations	3.9 avg, IF	5.63 L-index

#	Paper	IF	Citations
145	Colonic 5-HT receptors are targets for novel prokinetic drugs. *Neurogastroenterology and Motility*, **2021**, 33, e14125	4	2
144	An Electrochemical ATP Biosensor with Enzymes Entrapped within a PEDOT Film. *Electroanalysis*, **2021**, 33, 495-505	3	4
143	Spinal cord injury alters purinergic neurotransmission to mesenteric arteries in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H223-H237	5.2	2
142	The Rat in Neuroscience Research **2020**, 1003-1022		
141	NTPDase1 and -2 are expressed by distinct cellular compartments in the mouse colon and differentially impact colonic physiology and function after DSS colitis. *American Journal of Physiology - Renal Physiology*, **2019**, 317, G314-G332	5.1	8
140	Optogenetic analysis of neuromuscular transmission in the colon of ChAT-ChR2-YFP BAC transgenic mice. *American Journal of Physiology - Renal Physiology*, **2019**, 317, G569-G579	5.1	7
139	Sympathetic Neurotransmission in Resistance Mesenteric Arteries in Obesity-Related Hypertension. *FASEB Journal*, **2019**, 33, 565.7	0.9	
138	Pre-transcriptional fibrotic factor alterations do not contribute to high fat diet associated renal fibrosis in Dahl salt sensitive male rats. *FASEB Journal*, **2019**, 33, lb537	0.9	
137	The availability of sympathetic neurotransmitter release for nerve stimulation is enhanced in mesenteric arteries from long-term paraplegic and tetraplegic rats. *FASEB Journal*, **2019**, 33, 746.4	0.9	
136	Effects of high-fat diet on sympathetic neurotransmission in mesenteric arteries from Dahl salt-sensitive rat. *Autonomic Neuroscience: Basic and Clinical*, **2019**, 222, 102599	2.4	3
135	5-HT receptor signaling in serotonin transporter-knockout rats: a female sex-specific animal model of visceral hypersensitivity. *American Journal of Physiology - Renal Physiology*, **2019**, 316, G132-G143	5.1	8
134	Beneficial actions of microbiota-derived tryptophan metabolites. *Neurogastroenterology and Motility*, **2018**, 30, e13283	4	41
133	Macrophage-dependent impairment of □adrenergic autoreceptor inhibition of Ca channels in sympathetic neurons from DOCA-salt but not high-fat diet-induced hypertensive rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H863-H877	5.2	9
132	High fat diet increases salt sensitivity and promotes hypertension and kidney inflammation/injury in Dahl salt sensitive rats. *FASEB Journal*, **2018**, 32, 716.16	0.9	
131	Sex differences in renal inflammation and injury in high fat diet induced hypertension in Dahl salt sensitive rats. *FASEB Journal*, **2018**, 32, 850.5	0.9	
130	Sex Differences in Renal Inflammation and Injury in High-Fat Diet-Fed Dahl Salt-Sensitive Rats. *Hypertension*, **2018**, 72, e43-e52	8.5	17
129	R-Type Ca channels couple to inhibitory neurotransmission to the longitudinal muscle in the guinea-pig ileum. *Experimental Physiology*, **2017**, 102, 299-313	2.4	4

128	5-HT secretion by enterochromaffin cells is a very touching story. *Journal of Physiology*, **2017**, 595, 3	3.9	3
127	Insights into the Role of Opioid Receptors in the GI Tract: Experimental Evidence and Therapeutic Relevance. *Handbook of Experimental Pharmacology*, **2017**, 239, 363-378	3.2	40
126	High-fat diet-induced obesity alters nitric oxide-mediated neuromuscular transmission and smooth muscle excitability in the mouse distal colon. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G210-20	5.1	16
125	Reduced Noradrenergic Signaling in the Spleen Capsule in the Absence of CB and CB Cannabinoid Receptors. *Journal of NeuroImmune Pharmacology*, **2016**, 11, 669-679	6.9	5
124	Upregulation of L-type calcium channels in colonic inhibitory motoneurons of P/Q-type calcium channel-deficient mice. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G763-G774	5.1	1
123	Sex-related differences in small intestinal transit and serotonin dynamics in high-fat-diet-induced obesity in mice. *Experimental Physiology*, **2016**, 101, 81-99	2.4	19
122	Targeted gene delivery to the enteric nervous system using AAV: a comparison across serotypes and capsid mutants. *Molecular Therapy*, **2015**, 23, 488-500	11.7	28
121	HIV, opiates, and enteric neuron dysfunction. *Neurogastroenterology and Motility*, **2015**, 27, 449-54	4	11
120	Macrophage depletion lowers blood pressure and restores sympathetic nerve 2-adrenergic receptor function in mesenteric arteries of DOCA-salt hypertensive rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H1186-97	5.2	24
119	5-HT3 Receptor Signaling in a Rat Model of Sex Specific Visceral Hypersensitivity. *FASEB Journal*, **2015**, 29, 851.3	0.9	
118	Sex Differences in Jejunal Mucosal 5-HT (serotonin) Availability in a Diet-Induced Obesity (DIO) Mouse Model. *FASEB Journal*, **2015**, 29, 848.5	0.9	
117	Corticotropin Releasing Hormone (CRH) Expression in an Animal Model of Visceral Hypersensitivity. *FASEB Journal*, **2015**, 29, 849.3	0.9	
116	R-type Ca2+ Channels Contribute to Neural Control of Murine Colonic Motility. *FASEB Journal*, **2015** , 29, 1002.20	0.9	
115	R-Type Calcium Channels Contribute to Colonic Inhibitory Neuromuscular Transmission. *FASEB Journal*, **2015**, 29, 1002.19	0.9	
114	Alpha 2-Adrenergic Receptor Modulation of Calcium Current is Impaired in Mesenteric Artery Projecting Sympathetic Neurons in DOCA-Salt Hypertensive Rats. *FASEB Journal*, **2015**, 29, 950.5	0.9	
113	High-fat Diet Causes Loss of Nitric Oxide Motor Neurons and Impairs Inhibitory Neuromuscular Communication in the Mouse Distal Colon. *FASEB Journal*, **2015**, 29, 1002.7	0.9	
112	Electrochemical activation of diamond microelectrodes: implications for the in vitro measurement of serotonin in the bowel. *Analyst, The*, **2014**, 139, 3160-6	5	27
111	Molecular physiology of enteric opioid receptors. *American Journal of Gastroenterology Supplements (Print)*, **2014**, 2, 17-21		86

110	Western blot analysis of BK channel β1-subunit expression should be interpreted cautiously when using commercially available antibodies. *Physiological Reports*, **2014**, 2, e12189	2.6	12
109	Altered L-type Ca2+ channel activity contributes to exacerbated hypoperfusion and mortality in smooth muscle cell BK channel-deficient septic mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R138-48	3.2	6
108	Suramin sensitive P2 receptor is involved in α1-adrenergic receptor mediated mesenteric arterial constriction in normotensive and DOCA-salt hypertensive rats (1065.9). *FASEB Journal*, **2014**, 28, 1065.9	0.9	
107	Increased catecholamine secretion from single adrenal chromaffin cells in DOCA-salt hypertension is associated with potassium channel dysfunction. *ACS Chemical Neuroscience*, **2013**, 4, 1404-13	5.7	9
106	Impaired function of prejunctional adenosine A1 receptors expressed by perivascular sympathetic nerves in DOCA-salt hypertensive rats. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 345, 32-40	4.7	11
105	Visceral hypersensitivity in female but not in male serotonin transporter knockout rats. *Neurogastroenterology and Motility*, **2013**, 25, e373-81	4	17
104	Electrophysiological properties of colon-projecting sensory neurons in male and female serotonin transporter knockout (SERT KO) rats. *FASEB Journal*, **2013**, 27, 1093.29	0.9	
103	Differential contribution of pannexin-1 channels to agonist and neurogenic constriction of mesenteric arteries and veins from normotensive and DOCA-salt hypertensive rats. *FASEB Journal*, **2013**, 27, 1092.2	0.9	
102	Ovariectomy reduces Visceral Hypersensitivity in Female Serotonin Transporter (SERT) Knockout (KO) Rats. *FASEB Journal*, **2013**, 27, 945.1	0.9	
101	Macrophage (M?) Depletion Reduced Vascular Oxidative Stress, Restored α2 Adrenergic Autoreceptor (α2AR) Function and Attenuated Blood Pressure Development in Deoxycorticosterone Acetate (DOCA)-salt Hypertensive Rats. *FASEB Journal*, **2013**, 27, 654.20	0.9	
100	BKCa channel beta-1 subunit deficiency exaggerates microcirculatory dysfunction and mortality in CLP-induced septic mice.. *FASEB Journal*, **2013**, 27, 913.27	0.9	
99	R-type Ca2+ channels and inhibitory neuromuscular transmission in the gastrointestinal tract. *FASEB Journal*, **2013**, 27, 1093.27	0.9	
98	Detection of local serotonin release and clearance in the human small intestine using amperometry. *FASEB Journal*, **2013**, 27, 1157.7	0.9	
97	Inhibitory neuromuscular transmission in the mouse distal colon is mediated by SK and calcium activated chloride channels. *FASEB Journal*, **2013**, 27, 1157.5	0.9	
96	Macrophage (M ?) infiltration and oxidative stress in rat ileum cause loss of nitrergic inhibitory neurons in DOCA-salt hypertensive rats. *FASEB Journal*, **2013**, 27, 1093.28	0.9	
95	Impaired propulsive motility in the distal but not proximal colon of BK channel β1-subunit knockout mice. *Neurogastroenterology and Motility*, **2012**, 24, e450-9	4	18
94	Activation of colonic mucosal 5-HT(4) receptors accelerates propulsive motility and inhibits visceral hypersensitivity. *Gastroenterology*, **2012**, 142, 844-854.e4	13.3	189
93	Systematic review: cardiovascular safety profile of 5-HT(4) agonists developed for gastrointestinal disorders. *Alimentary Pharmacology and Therapeutics*, **2012**, 35, 745-67	6.1	205

92	Vascular BK channel deficiency exacerbates organ damage and mortality in endotoxemic mice. *Journal of Cardiovascular Pharmacology*, **2012**, 59, 207-14	3.1	12
91	Impaired K+ channel function leads to increased catecholamine secretion by adrenal chromaffin cells in DOCA-salt hypertension. *FASEB Journal*, **2012**, 26, 843.3	0.9	
90	Pharmacological studies of BK and L-type Ca2+ channel function in mesenteric arteries and veins from obese patients. *FASEB Journal*, **2012**, 26, 870.34	0.9	
89	Improvements in the Formation of Boron-Doped Diamond Coatings on Platinum Wires Using the Novel Nucleation Process (NNP). *Diamond and Related Materials*, **2011**, 20, 75-83	3.5	10
88	Boron-doped diamond nano/microelectrodes for biosensing and in vitro measurements. *Frontiers in Bioscience - Scholar*, **2011**, 3, 518-40	2.4	20
87	Large-conductance Ca2+-activated K+ channel beta1-subunit knockout mice are not hypertensive. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H476-85	5.2	38
86	R-type Ca(2+) channels contribute to fast synaptic excitation and action potentials in subsets of myenteric neurons in the guinea pig intestine. *Neurogastroenterology and Motility*, **2010**, 22, e353-63	4	8
85	Inhibitory neuromuscular transmission to ileal longitudinal muscle predominates in neonatal guinea pigs. *Neurogastroenterology and Motility*, **2010**, 22, 909-18, e236-7	4	18
84	Synchronicity, cycles and synaptic signalling in the colon. *Journal of Physiology*, **2010**, 588, 4611	3.9	
83	Deletion of P2X2 and P2X3 receptor subunits does not alter motility of the mouse colon. *Frontiers in Neuroscience*, **2010**, 4, 22	5.1	13
82	Alterations in sympathetic neuroeffector transmission to mesenteric arteries but not veins in DOCA-salt hypertension. *Autonomic Neuroscience: Basic and Clinical*, **2010**, 152, 11-20	2.4	21
81	The effects of celiac ganglionectomy on sympathetic innervation to the splanchnic organs in the rat. *Autonomic Neuroscience: Basic and Clinical*, **2010**, 154, 66-73	2.4	39
80	Antioxidant treatment restores prejunctional regulation of purinergic transmission in mesenteric arteries of deoxycorticosterone acetate-salt hypertensive rats. *Neuroscience*, **2010**, 168, 335-45	3.9	14
79	Electrochemical measurements of serotonin (5-HT) release from the guinea pig mucosa using continuous amperometry with a boron-doped diamond microelectrode. *Diamond and Related Materials*, **2010**, 19, 182-185	3.5	48
78	Interaction between alpha(1)- and alpha(2)-adrenoreceptors contributes to enhanced constrictor effects of norepinephrine in mesenteric veins compared to arteries. *European Journal of Pharmacology*, **2010**, 643, 239-46	5.3	9
77	Adventitial Infiltration of Activated Macrophages (M) in Mesenteric Arteries of DOCA-salt Rats. *FASEB Journal*, **2010**, 24, 955.1	0.9	
76	Increased catecholamine content and release from adrenal chromaffin cells of DOCA-salt hypertensive rats. *FASEB Journal*, **2010**, 24, 955.6	0.9	
75	Differential Alteration of Sympathetic Norepinephrine Transporter (NET) in Mesenteric Arteries and Veins in DOCA-salt hypertensive rats. *FASEB Journal*, **2010**, 24, 955.9	0.9	

74	Cannabinoid signalling in the enteric nervous system. *Neurogastroenterology and Motility*, **2009**, 21, 899-902	4	16
73	Na(V)-igating excitement in the enteric nervous system. *Journal of Physiology*, **2009**, 587, 1377	3.9	1
72	Localization of NADPH oxidase in sympathetic and sensory ganglion neurons and perivascular nerve fibers. *Autonomic Neuroscience: Basic and Clinical*, **2009**, 151, 90-7	2.4	23
71	O2- Interacts with Pertussis Toxin-sensitive G-proteins to Disrupt 2 Adrenergic Receptor Function in Sympathetic Nerves Supplying Mesenteric Arteries in DOCA-salt Hypertension. *FASEB Journal*, **2009**, 23, 933.14	0.9	
70	P2Y2 receptors re-sensitize TRPV1 via PKC activation in kidney projecting sensory neurons. *FASEB Journal*, **2009**, 23, 581.6	0.9	
69	Electrochemical monitoring of nitric oxide released by myenteric neurons of the guinea pig ileum. *Neurogastroenterology and Motility*, **2008**, 20, 1243-50	4	25
68	Diamond microelectrodes for in vitro electroanalytical measurements: current status and remaining challenges. *Analyst, The*, **2008**, 133, 17-24	5	56
67	Impaired purinergic neurotransmission to mesenteric arteries in deoxycorticosterone acetate-salt hypertensive rats. *Hypertension*, **2008**, 52, 322-9	8.5	16
66	5-HT4 receptor activation facilitates recovery from synaptic rundown and increases transmitter release from single varicosities of myenteric neurons. *American Journal of Physiology - Renal Physiology*, **2008**, 294, G1376-83	5.1	16
65	Purinergic signaling in the gastrointestinal tract. *Purinergic Signalling*, **2008**, 4, 195-196	3.8	3
64	Differential Ca2+ Coupling of Alpha-Adrenoreceptors in Murine Mesenteric Arteries and Veins. *FASEB Journal*, **2008**, 22, 912.8	0.9	
63	Temperature-dependent differences in sympathetic neuroeffector transmission in mesenteric arteries and veins in hypertension. *FASEB Journal*, **2008**, 22, 1168.4	0.9	
62	Rat thoracic vena cava ETB receptors re-sensitize faster than venous ETA receptors. *FASEB Journal*, **2008**, 22, 965.11	0.9	
61	Impaired arterial adrenergic receptor function in DOCA-salt hypertension. *FASEB Journal*, **2008**, 22, 969.11	0.9	
60	Comparison of TRPV1 on kidney specific sensory neurons and HEK 293 cells. *FASEB Journal*, **2008**, 22, 937.1	0.9	
59	Interaction between P2Y receptors and TRPV1 on kidney specific sensory neurons. *FASEB Journal*, **2008**, 22, 937.2	0.9	
58	In vitro continuous amperometric monitoring of 5-hydroxytryptamine release from enterochromaffin cells of the guinea pig ileum. *Analyst, The*, **2007**, 132, 41-7	5	87
57	High mucosal serotonin availability in neonatal guinea pig ileum is associated with low serotonin transporter expression. *Gastroenterology*, **2007**, 132, 2438-47	13.3	63

56	Differences in sympathetic neuroeffector transmission to rat mesenteric arteries and veins as probed by in vitro continuous amperometry and video imaging. *Journal of Physiology*, **2007**, 584, 819-34	3.9	32
55	A novel calcium-sensitive potassium conductance is coupled to P2X3 subunit containing receptors in myenteric neurons of guinea pig ileum. *Neurogastroenterology and Motility*, **2007**, 19, 912-22	4	8
54	Alpha2-adrenoceptors couple to inhibition of R-type calcium currents in myenteric neurons. *Neurogastroenterology and Motility*, **2007**, 19, 845-55	4	14
53	Differential contributions of alpha-1 and alpha-2 adrenoceptors to vasoconstriction in mesenteric arteries and veins of normal and hypertensive mice. *Vascular Pharmacology*, **2007**, 46, 373-82	5.9	11
52	Interaction between 1 and 2 adrenergic receptors in mice mesenteric veins and HEK293 cells. *FASEB Journal*, **2007**, 21, A1161	0.9	1
51	Expression of TRPV1 in sensory and sympathetic neurons innervating kidney. *FASEB Journal*, **2007**, 21, A1405	0.9	
50	Interaction of ETA and ETB endothelin receptors expressed in HEK-293 cells. *FASEB Journal*, **2007**, 21, A424	0.9	
49	Endothelin (ET) receptor interaction does not occur in vena cava from ETB receptor deficient rats. *FASEB Journal*, **2007**, 21, A517	0.9	
48	ETB receptors contribute to venous but not arterial constriction caused by ET-1: studies using ETB receptor-deficient rats. *FASEB Journal*, **2007**, 21, A520	0.9	
47	In vitro continuous amperometry with a diamond microelectrode coupled with video microscopy for simultaneously monitoring endogenous norepinephrine and its effect on the contractile response of a rat mesenteric artery. *Analytical Chemistry*, **2006**, 78, 6756-64	7.8	58
46	Increased substance P content in nerve fibers associated with mesenteric veins from deoxycorticosterone acetate (DOCA)-salt hypertensive rats. *Regulatory Peptides*, **2006**, 133, 97-104		4
45	Impaired alpha-adrenergic autoreceptor modulation of purinergic transmission in mesenteric arteries of DOCA-salt rats. *FASEB Journal*, **2006**, 20, A242	0.9	2
44	Chronic sympathetic denervation alters vascular smooth muscle contraction to endothelin receptor activation in mesenteric veins. *FASEB Journal*, **2006**, 20, A1107	0.9	
43	Alpha-1B adrenoceptors mediate neurogenic constriction in mesenteric arteries of normotensive and DOCA-salt hypertensive mice. *Autonomic Neuroscience: Basic and Clinical*, **2005**, 121, 64-73	2.4	4
42	Diamond microelectrodes for use in biological environments. *Journal of Electroanalytical Chemistry*, **2005**, 583, 56-68	4.1	78
41	Basic and clinical pharmacology of new motility promoting agents. *Neurogastroenterology and Motility*, **2005**, 17, 643-53	4	109
40	Vascular reactivity of mesenteric arteries and veins to endothelin-1 in a murine model of high blood pressure. *Vascular Pharmacology*, **2005**, 43, 1-10	5.9	17
39	Impaired function of alpha2-adrenergic autoreceptors on sympathetic nerves associated with mesenteric arteries and veins in DOCA-salt hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H1558-64	5.2	18

38	R-type calcium channels in myenteric neurons of guinea pig small intestine. *American Journal of Physiology - Renal Physiology*, **2004**, 287, G134-42	5.1	18
37	Increased reactivity of murine mesenteric veins to adrenergic agonists: functional evidence supporting increased alpha1-adrenoceptor reserve in veins compared with arteries. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 350-7	4.7	16
36	Increased O2*- production and upregulation of ETB receptors by sympathetic neurons in DOCA-salt hypertensive rats. *Hypertension*, **2004**, 43, 1048-54	8.5	52
35	Tempol lowers blood pressure and sympathetic nerve activity but not vascular O2- in DOCA-salt rats. *Hypertension*, **2004**, 43, 329-34	8.5	84
34	Presynaptic modulation of cholinergic and non-cholinergic fast synaptic transmission in the myenteric plexus of guinea pig ileum. *Neurogastroenterology and Motility*, **2004**, 16, 355-64	4	28
33	Pharmacology and function of nicotinic acetylcholine and P2X receptors in the enteric nervous system. *Neurogastroenterology and Motility*, **2004**, 16 Suppl 1, 64-70	4	56
32	Function of opioids in the enteric nervous system. *Neurogastroenterology and Motility*, **2004**, 16 Suppl 2, 17-28	4	273
31	Enteric P2X receptors as potential targets for drug treatment of the irritable bowel syndrome. *British Journal of Pharmacology*, **2004**, 141, 1294-302	8.6	56
30	Peristalsis is impaired in the small intestine of mice lacking the P2X3 subunit. *Journal of Physiology*, **2003**, 551, 309-22	3.9	88
29	Signalling mechanism coupled to 5-hydroxytryptamine4 receptor-mediated facilitation of fast synaptic transmission in the guinea-pig ileum myenteric plexus. *Neurogastroenterology and Motility*, **2003**, 15, 523-9	4	43
28	P2X2 subunits contribute to fast synaptic excitation in myenteric neurons of the mouse small intestine. *Journal of Physiology*, **2003**, 552, 809-21	3.9	96
27	Endothelin-1 increases vascular superoxide via endothelin(A)-NADPH oxidase pathway in low-renin hypertension. *Circulation*, **2003**, 107, 1053-8	16.7	283
26	Differential alterations in sympathetic neurotransmission in mesenteric arteries and veins in DOCA-salt hypertensive rats. *Autonomic Neuroscience: Basic and Clinical*, **2003**, 104, 47-57	2.4	41
25	Ligand-gated ion channels in the enteric nervous system. *Neurogastroenterology and Motility*, **2002**, 14, 611-23	4	107
24	Pharmacological properties of nicotinic acetylcholine receptors expressed by guinea pig small intestinal myenteric neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 302, 889-97	4.7	55
23	Pharmacology of synaptic transmission in the enteric nervous system. *Current Opinion in Pharmacology*, **2002**, 2, 623-9	5.1	66
22	Nicotinic acetylcholine and P2X receptors in the enteric nervous system. *Proceedings of the Western Pharmacology Society*, **2002**, 45, 231-4		
21	Differential localization of P2 receptor subtypes in mesenteric arteries and veins of normotensive and hypertensive rats. *Journal of Pharmacology and Experimental Therapeutics*, **2001**, 296, 478-85	4.7	21

20	Digestive Disease Week 2001. Gastrointestinal motility. 20-23 May 2001, Atlanta, GA, USA. *IDrugs: the Investigational Drugs Journal*, **2001**, 4, 879-83		
19	State-dependent cross-inhibition between transmitter-gated cation channels. *Nature*, **2000**, 406, 405-10	50.4	166
18	Mechanisms of increased venous smooth muscle tone in desoxycorticosterone acetate-salt hypertension. *Hypertension*, **2000**, 35, 464-9	8.5	80
17	GABA(A) receptors on calbindin-immunoreactive myenteric neurons of guinea pig intestine. *Journal of the Autonomic Nervous System*, **2000**, 78, 122-35		22
16	Multiple mechanisms of fast excitatory synaptic transmission in the enteric nervous system. *Journal of the Autonomic Nervous System*, **2000**, 81, 97-103		147
15	Analysis of fast synaptic pathways in myenteric plexus of guinea pig ileum. *American Journal of Physiology - Renal Physiology*, **1999**, 276, G529-38	5.1	29
14	Nerve terminal nicotinic cholinergic receptors on excitatory motoneurons in the myenteric plexus of guinea pig intestine. *Journal of Pharmacology and Experimental Therapeutics*, **1999**, 291, 92-8	4.7	26
13	Non-additive interaction between nicotinic cholinergic and P2X purine receptors in guinea-pig enteric neurons in culture. *Journal of Physiology*, **1998**, 513 (Pt 3), 685-97	3.9	91
12	Mechanisms of excitatory synaptic transmission in the enteric nervous system. *Tokai Journal of Experimental and Clinical Medicine*, **1998**, 23, 129-36	0.4	7
11	Purinergic fast excitatory postsynaptic potentials in myenteric neurons of guinea pig: distribution and pharmacology. *Gastroenterology*, **1997**, 113, 1522-34	13.3	86
10	P2X purinoceptors in cultured myenteric neurons of guinea-pig small intestine. *Journal of Physiology*, **1996**, 496 (Pt 3), 719-29	3.9	82
9	Electrophysiological studies of 5-hydroxytryptamine receptors on enteric neurons. *Behavioural Brain Research*, **1996**, 73, 199-201	3.4	47
8	Effects of 5-HT1A and 5-HT4 receptor agonists on slow synaptic potentials in enteric neurons. *European Journal of Pharmacology*, **1995**, 278, 67-74	5.3	16
7	Pharmacological characterization of purinoceptor-mediated constriction of submucosal arterioles in guinea pig ileum. *Journal of Pharmacology and Experimental Therapeutics*, **1995**, 274, 1425-30	4.7	21
6	ATP mediates fast synaptic potentials in enteric neurons. *Journal of Neuroscience*, **1994**, 14, 7563-71	6.6	168
5	Differential inhibition of cholinergic and noncholinergic neurogenic contractions by mu opioid and alpha-2 adrenergic agonists in guinea pig ileum. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 264, 375-83	4.7	10
4	Differential inhibition of cholinergic and noncholinergic neurogenic contractions by 5-hydroxytryptamine1A receptor agonists in guinea pig ileum. *Journal of Pharmacology and Experimental Therapeutics*, **1992**, 260, 306-12	4.7	11
3	Antagonists of nitric oxide synthesis inhibit nerve-mediated relaxations of longitudinal muscle in guinea pig ileum. *Journal of Pharmacology and Experimental Therapeutics*, **1992**, 260, 140-5	4.7	57

2	Effects of cisapride on cholinergic neurotransmission and propulsive motility in the guinea pig ileum. *Gastroenterology*, **1989**, 96, 1257-64	13.3	109
1	Accurate measurement of intestinal transit in the rat. *Journal of Pharmacological Methods*, **1981**, 6, 211-7		241