Jan D Huizinga

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Autism Spectrum Disorder in Children Is Not Associated With Abnormal Autonomic Nervous System Function: Hypothesis and Theory. Frontiers in Psychiatry, 2022, 13, 830234.	1.3	10
2	Diagnosis of colonic dysmotility associated with autonomic dysfunction in patients with chronic refractory constipation. Scientific Reports, 2022, 12, .	1.6	7
3	The Pressureâ€™s on: Finding the Cause of Diverticula Formation. Digestive Diseases and Sciences, 2021, 66, 668-670.	1.1	2
4	The Defecation Reflex Assessed by High-Resolution Colonic Manometry. Journal of the Canadian Association of Gastroenterology, 2021, 4, 1-2.	0.1	0
5	The Sphincter of Oâ€™Beirne â€“ Part 1: Study of 18 Normal Subjects. Digestive Diseases and Sciences, 2021, 66, 3516-3528.	1.1	15
6	The Sphincter of Oâ€™Beirneâ€"Part 2: Report of a Case of Chronic Constipation with Autonomous Dyssynergia. Digestive Diseases and Sciences, 2021, 66, 3529-3541.	1.1	10
7	Trans-illumination intestine projection imaging of intestinal motility in mice. Nature Communications, 2021, 12, 1682.	5.8	6
8	99 COLONIC DYSMOTILITY, AUTONOMIC DYSFUNCTION AND ABNORMAL DEFECATION REFLEXES IN PATIENTS WITH CHRONIC CONSTIPATION. Gastroenterology, 2021, 160, S-22.	0.6	1
9	Fr431 ANALYSIS OF AUTONOMIC NERVOUS SYSTEM REACTIVITY ASSOCIATED WITH HIGH-AMPLITUDE PROPAGATING PRESSURE WAVES OF THE HUMAN COLON IN HEALTHY SUBJECTS. Gastroenterology, 2021, 160, S-315.	0.6	0
10	Fr444 EFFECTS OF SACRAL PHOTOBIOMODULATION ON THE AUTONOMIC NERVOUS SYSTEM IN PATIENTS WITH COLONIC DYSMOTILITY. Gastroenterology, 2021, 160, S-320.	0.6	0
11	Optimizing Autonomic Function Analysis via Heart Rate Variability Associated With Motor Activity of the Human Colon. Frontiers in Physiology, 2021, 12, 619722.	1.3	20
12	Characterization of haustral activity in the human colon. American Journal of Physiology - Renal Physiology, 2021, 320, G1067-G1080.	1.6	12
13	The gastric conduction system in health and disease: a translational review. American Journal of Physiology - Renal Physiology, 2021, 321, G527-G542.	1.6	38
14	Distal Colon Motor Coordination: The Role of the Coloanal Reflex and the Rectoanal Inhibitory Reflex in Sampling, Flatulence, and Defecation. Frontiers in Medicine, 2021, 8, 720558.	1.2	2
15	Interstitial cells of Cajal and human colon motility in health and disease. American Journal of Physiology - Renal Physiology, 2021, 321, G552-G575.	1.6	39
16	Transient Anal Sphincter Relaxations Are a Normal Phenomenon in Healthy Subjects. Journal of Neurogastroenterology and Motility, 2020, 26, 552-553.	0.8	2
17	Modulation of contractions in the small intestine indicate desynchronization via supercritical Andronovâ€“Hopf bifurcation. Scientific Reports, 2020, 10, 15099.	1.6	0
18	On the nature of high-amplitude propagating pressure waves in the human colon. American Journal of Physiology - Renal Physiology, 2020, 318, G646-G660.	1.6	32

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19	The cyclic motor patterns in the human colon. Neurogastroenterology and Motility, 2020, 32, e13807.	1.6	31
20	Relationships Between Distention-, Butyrate- and Pellet-Induced Stimulation of Peristalsis in the Mouse Colon. Frontiers in Physiology, 2020, 11, 109.	1.3	15
21	A myogenic motor pattern in mice lacking myenteric interstitial cells of Cajal explained by a second coupled oscillator network. American Journal of Physiology - Renal Physiology, 2020, 318, G225-G243.	1.6	8
22	Nitric Oxide Is Essential for Generating the Minute Rhythm Contraction Pattern in the Small Intestine, Likely via ICC-DMP. Frontiers in Neuroscience, 2020, 14, 592664.	1.4	10
23	Mast Cell and Muscle Interactions in Animals and Man. , 2020, , 237-246.		0
24	Smooth Muscle Function in Inflammatory Bowel Disease. , 2020, , 109-118.		0
25	First translational consensus on terminology and definitions of colonic motility in animals and humans studied by manometric and other techniques. Nature Reviews Gastroenterology and Hepatology, 2019, 16, 559-579.	8.2	108
26	Intraluminal prucalopride increases propulsive motor activities via luminal 5â€HT₄ receptors in the rabbit colon. Neurogastroenterology and Motility, 2019, 31, e13598.	1.6	11
27	Pacemaker network properties determine intestinal motor pattern behaviour. Experimental Physiology, 2019, 104, 623-624.	0.9	4
28	Cellâ€specific effects of nitric oxide on the efficiency and frequency of long distance contractions in murine colon. Neurogastroenterology and Motility, 2019, 31, e13589.	1.6	11
29	Noradrenaline inhibits neurogenic propulsive motor patterns but not neurogenic segmenting haustral progression in the rabbit colon. Neurogastroenterology and Motility, 2019, 31, e13567.	1.6	4
30	Recent advances in intestinal smooth muscle research: from muscle strips and single cells, via ICC networks to whole organ physiology and assessment of human gut motor dysfunction. Journal of Smooth Muscle Research, 2019, 55, 68-80.	0.7	2
31	Associations Between Colonic Motor Patterns and Autonomic Nervous System Activity Assessed by High-Resolution Manometry and Concurrent Heart Rate Variability. Frontiers in Neuroscience, 2019, 13, 1447.	1.4	19
32	Physiological and Pathophysiological Roles of VIP, Somatostatin, Opioids, Galanin, GRP, and Secretin. , 2019, , 401-428.		0
33	Characterization of Simultaneous Pressure Waves as Biomarkers for Colonic Motility Assessed by High-Resolution Colonic Manometry. Frontiers in Physiology, 2018, 9, 1248.	1.3	42
34	Cancer pain and neuropathic pain are associated with A<i>Î²</i> sensory neuronal plasticity in dorsal root ganglia and abnormal sprouting in lumbar spinal cord. Molecular Pain, 2018, 14, 174480691881009.	1.0	17
35	Probing heart rate variability to determine parasympathetic dysfunction. Physiological Reports, 2018, 6, e13713.	0.7	3
36	The Physiology and Pathophysiology of Interstitial Cells of Cajal: Pacemaking, Innervation, and Stretch Sensation. , 2018, , 305-335.		14

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37	Phase waves and trigger waves: emergent properties of oscillating and excitable networks in the gut. Journal of Physiology, 2018, 596, 4819-4829.	1.3	16
38	Abnormal absorptive colonic motor activity in germ-free mice is rectified by butyrate, an effect possibly mediated by mucosal serotonin. American Journal of Physiology - Renal Physiology, 2018, 315, G896-G907.	1.6	74
39	Slow wave contraction frequency plateaux in the small intestine are composed of discrete waves of interval increase associated with dislocations. Experimental Physiology, 2018, 103, 1087-1100.	0.9	12
40	High-Pressure Tactic: Colonic Manometry in Chronic Constipation. Digestive Diseases and Sciences, 2018, 63, 2820-2822.	1.1	6
41	Network properties of interstitial cells of Cajal affect intestinal pacemaker activity and motor patterns, according to a mathematical model of weakly coupled oscillators. Experimental Physiology, 2017, 102, 329-346.	0.9	36
42	Relationships between motor patterns and intraluminal pressure in the 3-taeniated proximal colon of the rabbit. Scientific Reports, 2017, 7, 42293.	1.6	17
43	Intraluminal pressure patterns in the human colon assessed by high-resolution manometry. Scientific Reports, 2017, 7, 41436.	1.6	57
44	The powerful advantages of extracellular electrical recording. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 372-372.	8.2	7
45	Simultaneous Pressure Waves are an Essential Component of Human Colon Motor Function Assessment, Using High-resolution Manometry. Gastroenterology, 2017, 152, S50.	0.6	0
46	Rat model of cancer-induced bone pain: changes in nonnociceptive sensory neurons in vivo. Pain Reports, 2017, 2, e603.	1.4	12
47	Ionized calciumâ€binding adaptor molecule 1 positive macrophages and HOâ€1 upâ€regulation in intestinal muscularis resident macrophages. Anatomical Record, 2017, 300, 1114-1122.	0.8	12
48	The phase response and state space of slow wave contractions in the small intestine. Experimental Physiology, 2017, 102, 1118-1132.	0.9	5
49	Commentary: Phase-amplitude coupling at the organism level: The amplitude of spontaneous alpha rhythm fluctuations varies with the phase of the infra-slow gastric basal rhythm. Frontiers in Neuroscience, 2017, 11, 102.	1.4	8
50	Neurotensin Changes Propulsive Activity into a Segmental Motor Pattern in the Rat Colon. Journal of Neurogastroenterology and Motility, 2016, 22, 517-528.	0.8	9
51	Spatial Noise in Coupling Strength and Natural Frequency within a Pacemaker Network; Consequences for Development of Intestinal Motor Patterns According to a Weakly Coupled Phase Oscillator Model. Frontiers in Neuroscience, 2016, 10, 19.	1.4	27
52	Stimulusâ€induced pacemaker activity in interstitial cells of Cajal associated with the deep muscular plexus of the small intestine. Neurogastroenterology and Motility, 2016, 28, 1064-1074.	1.6	11
53	A Personal Perspective on the Development of Our Understanding of the Myogenic Control Mechanisms of Gut Motor Function. Advances in Experimental Medicine and Biology, 2016, 891, 11-19.	0.8	2
54	Haustral boundary contractions in the proximal 3-taeniated rabbit colon. American Journal of Physiology - Renal Physiology, 2016, 310, G181-G192.	1.6	16

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55	Motor patterns of the small intestine explained by phase-amplitude coupling of two pacemaker activities: the critical importance of propagation velocity. American Journal of Physiology - Cell Physiology, 2015, 309, C403-C414.	2.1	31
56	Interactions between neurogenic and myogenic control mechanisms of intestinal and colonic motility. Autonomic Neuroscience: Basic and Clinical, 2015, 192, 3.	1.4	0
57	Involvement of 5â€‹<scp>HT</scp>₃ and 5â€‹<scp>HT</scp>₄ receptors in colonic motor patterns in rats. Neurogastroenterology and Motility, 2015, 27, 914-928.	1.6	21
58	Vagal Fibers Form Associations With Interstitial Cells of Cajal During Fetal Development. Anatomical Record, 2015, 298, 1780-1785.	0.8	2
59	Induction of rhythmic transient depolarizations associated with waxing and waning of slow wave activity in intestinal smooth muscle. American Journal of Physiology - Renal Physiology, 2015, 308, G427-G433.	1.6	10
60	Frozen naphthalocyanine micelles for intestinal imaging. , 2015, , .		0
61	Effects of gap junction inhibition on contraction waves in the murine small intestine in relation to coupled oscillator theory. American Journal of Physiology - Renal Physiology, 2015, 308, G287-G297.	1.6	39
62	The myogenic and neurogenic components of the rhythmic segmentation motor patterns of the intestine. Frontiers in Neuroscience, 2014, 8, 78.	1.4	23
63	The origin of segmentation motor activity in the intestine. Nature Communications, 2014, 5, 3326.	5.8	155
64	Discrepancies between câ€Kit positive and Ano1 positive <scp>ICC</scp>â€‹<scp>SMP</scp> in the <i>W/W</i>^{<i>v</i>} and wildâ€type mouse colon; relationships with motor patterns and calcium transients. Neurogastroenterology and Motility, 2014, 26, 1298-1310.	1.6	21
65	Ano1 is a better marker than c-Kit for transcript analysis of single interstitial cells of Cajal in culture. Cellular and Molecular Biology Letters, 2014, 19, 601-10.	2.7	13
66	850b The intestine switches between propulsion and segmentation through a nutrient-or neurally-induced transient pacemaker. Gastroenterology, 2014, 146, S-145.	0.6	0
67	Sa2007 Colonic Motor Patterns in Patients With Chronic Constipation Assessed by High Resolution Manometry. Gastroenterology, 2014, 146, S-353.	0.6	6
68	Sa2042 Dependence of Colonic Motor Patterns on 5-HT3 and 5-HT4 Receptor Activation in the Rat. Gastroenterology, 2014, 146, S-361-S-362.	0.6	0
69	Interstitial Cells of Cajal: Update on Basic and Clinical Science. Current Gastroenterology Reports, 2014, 16, 363.	1.1	69
70	Intestinal microbiota influence the early postnatal development of the enteric nervous system. Neurogastroenterology and Motility, 2014, 26, 98-107.	1.6	240
71	Enteric sensory neurons communicate with interstitial cells of Cajal to affect pacemaker activity in the small intestine. Pflugers Archiv European Journal of Physiology, 2014, 466, 1467-1475.	1.3	23
72	Cholinergic signalling-regulated KV7.5 currents are expressed in colonic ICC-IM but not ICC-MP. Pflugers Archiv European Journal of Physiology, 2014, 466, 1805-1818.	1.3	10

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73	Expression of P2X3 and P2X5 Myenteric Receptors Varies During the Intestinal Postnatal Development in the Guinea Pig. Cellular and Molecular Neurobiology, 2014, 34, 727-736.	1.7	5
74	Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. Nature Nanotechnology, 2014, 9, 631-638.	15.6	382
75	Noninvasive measurements to evaluate the effects of military training on the human autonomic nervous system. Asian Biomedicine, 2014, 8, 453-461.	0.2	1
76	Generating bowel movements that facilitate nutrient absorption. Canadian Young Scientist Journal, 2014, 2014, 4-13.	0.0	0
77	<i>Bifidobacterium longum </i><scp>NCC</scp>3001 inhibits <scp>AH</scp> neuron excitability. Neurogastroenterology and Motility, 2013, 25, e478-84.	1.6	27
78	On the origin of rhythmic contractile activity of the esophagus in early achalasia, a clinical case study. Frontiers in Neuroscience, 2013, 7, 77.	1.4	10
79	Statistical Assessment of Change Point Detectors for Single Molecule Kinetic Analysis. Journal of Membrane Biology, 2013, 246, 407-420.	1.0	2
80	Gating of maxi channels observed from pseudo-phase portraits. American Journal of Physiology - Cell Physiology, 2013, 304, C450-C457.	2.1	4
81	Neurogenic and Myogenic Properties of Pan-Colonic Motor Patterns and Their Spatiotemporal Organization in Rats. PLoS ONE, 2013, 8, e60474.	1.1	60
82	Interstitial cells of Cajal, from structure to function. Frontiers in Neuroscience, 2013, 7, 43.	1.4	18
83	Habitual rapid food intake and ineffective esophageal motility. World Journal of Gastroenterology, 2013, 19, 2270.	1.4	4
84	Maxi-channels recorded in situ from ICC and pericytes associated with the mouse myenteric plexus. American Journal of Physiology - Cell Physiology, 2012, 302, C1055-C1069.	2.1	20
85	Interstitial Cells of Cajal : Pathology , Injury and Repair = Ø®Ù„Ø§ÙŠØ§ ÙƒØ§Ø¬Ø§Ù„ Ø§Ù„Ø®Ù„Ø§Ù„ÙŠØ© : Ø¹Ù„Ù… Ø§Ù„Ø£Ù…… Journal, 2012, 12, 411-421.	0.3	10
86	On the origin of rhythmic calcium transients in the ICC-MP of the mouse small intestine. American Journal of Physiology - Renal Physiology, 2011, 301, G835-G845.	1.6	33
87	Two Independent Networks of Interstitial Cells of Cajal Work Cooperatively with the Enteric Nervous System to Create Colonic Motor Patterns. Frontiers in Neuroscience, 2011, 5, 93.	1.4	90
88	Interstitial Cells of Cajal. Pancreas, 2011, 40, 137-143.	0.5	14
89	Toward a Concept of Stretch Coupling in Smooth Muscle: A Thesis by Lars Thuneberg on Contractile Activity in Neonatal Interstitial Cells of Cajal. Anatomical Record, 2010, 293, 1543-1552.	0.8	11
90	Transient outward potassium current in ICC. American Journal of Physiology - Renal Physiology, 2010, 298, G456-G466.	1.6	17

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91	Gut peristalsis is governed by a multitude of cooperating mechanisms. American Journal of Physiology - Renal Physiology, 2009, 296, G1-G8.	1.6	307
92	<i>Lactobacillus reuteri</i> enhances excitability of colonic AH neurons by inhibiting calciumâ€dependent potassium channel opening. Journal of Cellular and Molecular Medicine, 2009, 13, 2261-2270.	1.6	294
93	Igf1r⁺/CD34⁺ immature ICC are putative adult progenitor cells, identified ultrastructurally as fibroblastâ€like ICC in Ws/Ws rat colon. Journal of Cellular and Molecular Medicine, 2009, 13, 3528-3540.	1.6	17
94	Physiology, Injury, and Recovery of Interstitial Cells of Cajal: Basic and Clinical Science. Gastroenterology, 2009, 137, 1548-1556.	0.6	147
95	In situ recording from gut pacemaker cells. Pflugers Archiv European Journal of Physiology, 2008, 457, 243-251.	1.3	22
96	Nitric oxide decreases the excitability of interstitial cells of Cajal through activation of the BK channel. Journal of Cellular and Molecular Medicine, 2008, 12, 1718-1727.	1.6	24
97	Progenitor Cells of Interstitial Cells of Cajal: On the Road to Tissue Repair. Gastroenterology, 2008, 134, 1252-1254.	0.6	27
98	Deficiency of intramuscular ICC increases fundic muscle excitability but does not impede nitrergic innervation. American Journal of Physiology - Renal Physiology, 2008, 294, G589-G594.	1.6	44
99	Survival dependency of intramuscular ICC on vagal afferent nerves in the cat esophagus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R302-R310.	0.9	22
100	Increase in stretch-induced rhythmic motor activity in the diabetic rat colon is associated with loss of ICC of the submuscular plexus. American Journal of Physiology - Renal Physiology, 2008, 294, G315-G326.	1.6	38
101	Clotrimazole-sensitive K+ currents regulate pacemaker activity in interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2007, 292, G1715-G1725.	1.6	15
102	Unique distribution of interstitial cells of Cajal in the feline pylorus. Cell and Tissue Research, 2007, 329, 13-24.	1.5	8
103	IL-9 enhances growth of ICC, maintains network structure and strengthens rhythmicity of contraction in culture. Journal of Cellular and Molecular Medicine, 2006, 10, 687-694.	1.6	19
104	Interstitial cells of Cajal and adaptive relaxation in the mouse stomach. American Journal of Physiology - Renal Physiology, 2006, 291, G1129-G1136.	1.6	30
105	Muscarinic Regulation of Ether-a-go-go-Related Gene K+ Currents in Interstitial Cells of Cajal. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1112-1123.	1.3	22
106	Ava[l-Pro9,N-MeLeu10] Substance P(7-11) (GR 73632) and Sar9, Met(O2)11 Increase Distention-Induced Peristalsis through Activation of Neurokinin-1 Receptors on Smooth Muscle and Interstitial Cells of Cajal. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 439-445.	1.3	15
107	Intrinsic inhibitory innervation of the stomach. British Journal of Pharmacology, 2005, 146, 163-164.	2.7	1
108	Frontiers in research into interstitial cells of Cajal. Journal of Cellular and Molecular Medicine, 2005, 9, 230-231.	1.6	5

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109	About the presence of interstitial cells of Cajal outside the musculature of the gastrointestinal tract. Journal of Cellular and Molecular Medicine, 2005, 9, 468-473.	1.6	75
110	Inwardly rectifying chloride channel activity in intestinal pacemaker cells. American Journal of Physiology - Renal Physiology, 2005, 288, G809-G821.	1.6	37
111	Lack of pyloric interstitial cells of Cajal explains distinct peristaltic motor patterns in stomach and small intestine. American Journal of Physiology - Renal Physiology, 2005, 289, G539-G549.	1.6	69
112	Volume-activated chloride currents in interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2005, 289, G791-G797.	1.6	22
113	ERG K⁺ currents regulate pacemaker activity in ICC. American Journal of Physiology - Renal Physiology, 2003, 285, G1249-G1258.	1.6	47
114	Gastric Electrical Stimulation in Intractable Symptomatic Gastroparesis. Digestion, 2002, 66, 204-212.	1.2	268
115	Pathology of Interstitial Cells of Cajal in Relation to Inflammation Revealed by Ultrastructure But Not Immunohistochemistry. American Journal of Pathology, 2002, 160, 1529-1540.	1.9	77
116	High-conductance chloride channels generate pacemaker currents in interstitial cells of Cajal. Gastroenterology, 2002, 123, 1627-1636.	0.6	110
117	Heterogeneous expression of transient outward currents in smooth muscle cells of the mouse small intestine. Journal of Physiology, 2002, 544, 19-27.	1.3	2
118	Development of interstitial cells of Cajal in a full-term infant without an enteric nervous system. Gastroenterology, 2001, 120, 561-567.	0.6	45
119	Mast cell-independent impairment of host defense and muscle contraction inT. spiralis-infected W/WVmice. American Journal of Physiology - Renal Physiology, 2001, 280, G640-G648.	1.6	18
120	The myogenic component in distention-induced peristalsis in the guinea pig small intestine. American Journal of Physiology - Renal Physiology, 2001, 280, G491-G500.	1.6	23
121	II. Gastric motility: lessons from mutant mice on slow waves and innervation. American Journal of Physiology - Renal Physiology, 2001, 281, G1129-G1134.	1.6	69
122	Regulation of slow wave frequency by IP₃-sensitive calcium release in the murine small intestine. American Journal of Physiology - Renal Physiology, 2001, 280, G439-G448.	1.6	83
123	The search for the origin of rhythmicity in intestinal contraction; from tissue to single cells. Neurogastroenterology and Motility, 2000, 12, 3-9.	1.6	55
124	Gastrointestinal Stromal Tumors May Originate from a Subset of CD34-Positive Interstitial Cells of Cajal. American Journal of Pathology, 2000, 156, 1157-1163.	1.9	149
125	Assessment of gastric emptying using a low fat meal: establishment of international control values. American Journal of Gastroenterology, 2000, 95, 1456-1462.	0.2	611
126	Interstitial cells of Cajal and inflammation-induced motor dysfunction in the mouse small intestine. Gastroenterology, 2000, 119, 1590-1599.	0.6	132

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127	Generation of slow waves in membrane potential is an intrinsic property of interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 1999, 277, G409-G423.	1.6	61
128	Gastrointestinal peristalsis: Joint action of enteric nerves, smooth muscle, and interstitial cells of Cajal. , 1999, 47, 239-247.		87
129	Searching for intrinsic properties and functions of interstitial cells of Cajal. Current Opinion in Gastroenterology, 1999, 15, 26.	1.0	5
130	Co-operation between neural and myogenic mechanisms in the control of distension-induced peristalsis in the mouse small intestine. Journal of Physiology, 1998, 506, 843-856.	1.3	68
131	Interstitial cells of Cajal generate a rhythmic pacemaker current. Nature Medicine, 1998, 4, 848-851.	15.2	396
132	Developmental origin andkit-dependent development of the interstitial cells of cajal in the mammalian small intestine. Developmental Dynamics, 1998, 211, 60-71.	0.8	204
133	Development of pacemaker activity and interstitial cells of cajal in the neonatal mouse small intestine. , 1998, 213, 271-282.		52
134	Interstitial cells of Cajal direct normal propulsive contractile activity in the mouse small intestine. Gastroenterology, 1998, 114, 724-736.	0.6	227
135	Interstitial cells of Cajal as targets for pharmacological intervention in gastrointestinal motor disorders. Trends in Pharmacological Sciences, 1997, 18, 393-403.	4.0	172
136	P_{2x}â€purinoceptors of myenteric neurones from the guineaâ€pig ileum and their unusual pharmacological properties. British Journal of Pharmacology, 1996, 119, 1541-1548.	2.7	74
137	Generation of slow wave type action potentials in the mouse small intestine involves a non-L-type calcium channel. Canadian Journal of Physiology and Pharmacology, 1995, 73, 1502-1511.	0.7	43
138	Canine colonic circular muscle generates action potentials without the pacemaker component. Canadian Journal of Physiology and Pharmacology, 1994, 72, 70-81.	0.7	22
139	Excitability of canine colon circular muscle disconnected from the network of interstitial cells of Cajal. Canadian Journal of Physiology and Pharmacology, 1992, 70, 289-295.	0.7	28
140	Mast cell ionic channels: significance for stimulusâ€“secretion coupling. Canadian Journal of Physiology and Pharmacology, 1992, 70, 1-7.	0.7	28
141	On the Pharmacological and Physiological Role of Glibenclamideâ€Sensitive Potassium Channels in Colonic Smooth Muscle. Basic and Clinical Pharmacology and Toxicology, 1992, 71, 365-370.	0.0	9
142	Action potentials in gastrointestinal smooth muscle. Canadian Journal of Physiology and Pharmacology, 1991, 69, 1133-1142.	0.7	25
143	Innervation of interstitial cells of Cajal by vasoactive intestinal polypeptide containing nerves in canine colon. Canadian Journal of Physiology and Pharmacology, 1990, 68, 922-932.	0.7	60
144	Inhibitory innervation of colonic smooth muscle cells and interstitial cells of Cajal. Canadian Journal of Physiology and Pharmacology, 1990, 68, 447-454.	0.7	54

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145	Heterogeneity in spontaneous and tetraethylammonium induced intracellular electrical activity in colonic circular muscle. Pflugers Archiv European Journal of Physiology, 1988, 412, 203-210.	1.3	22
146	Relationship between transmural potential difference and smooth muscle slow waves and contractility in the rabbit small intestine in vitro. Canadian Journal of Physiology and Pharmacology, 1988, 66, 1161-1165.	0.7	1
147	Immunoglobulin E mediated membrane conductance changes in rat basophilic leukemia cells. Canadian Journal of Physiology and Pharmacology, 1988, 66, 328-331.	0.7	5
148	Generation of spiking activity in circular muscle cells of the canine colon. Canadian Journal of Physiology and Pharmacology, 1987, 65, 2147-2150.	0.7	4
149	Electrical basis of excitation and inhibition of human colonic smooth muscle. Gastroenterology, 1986, 90, 1197-1204.	0.6	36
150	Electrophysiologic control of motility in the human colon. Gastroenterology, 1985, 88, 500-511.	0.6	82
151	The effects of cholecystokinin-octapeptide and pentagastrin on electrical and motor activities of canine colonic circular muscle. Canadian Journal of Physiology and Pharmacology, 1984, 62, 1440-1447.	0.7	11
152	Dual action of high energy adenine nucleotides in comparison with responses evoked by other adenine derivatives and intramural nerve stimulation on smooth muscle. European Journal of Pharmacology, 1981, 74, 175-180.	1.7	12
153	Inhibition of fundic strips from guinea-pig stomach: The effect of theophylline on the membrane potential, muscle contraction and ion fluxes. European Journal of Pharmacology, 1979, 57, 1-11.	1.7	6