

Kenton M Sanders

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

13,413
citations

65
h-index

105
g-index

275
ext. papers

14,571
ext. citations

5.6
avg, IF

6.49
L-index

#	Paper	IF	Citations
262	Smooth muscle and pacemakers of the gut 2022 , 213-241		
261	Role of detrusor PDGFR β cells in mouse model of cyclophosphamide-induced detrusor overactivity.. <i>Scientific Reports</i> , 2022 , 12, 5071	4.9	
260	Distinguishing the contributions of neuronal and mucosal serotonin in the regulation of colonic motility.. <i>Neurogastroenterology and Motility</i> , 2022 , e14361	4	0
259	Propulsive colonic contractions are mediated by inhibition-driven poststimulus responses that originate in interstitial cells of Cajal.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2123020119	11.5	0
258	Transcriptome profiling of subepithelial PDGFR β cells in colonic mucosa reveals several cell-selective markers.. <i>PLoS ONE</i> , 2022 , 17, e0261743	3.7	0
257	New open-source software for subcellular segmentation and analysis of spatiotemporal fluorescence signals using deep learning.. <i>IScience</i> , 2022 , 25, 104277	6.1	0
256	Gastroparesis. <i>Gastroenterology</i> , 2021 ,	13.3	3
255	Low-voltage-activated inward current in murine antral smooth muscle cells is an artifact. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 320, C966-C973	5.4	
254	miR-10b-5p Rescues Diabetes and Gastrointestinal Dysmotility. <i>Gastroenterology</i> , 2021 , 160, 1662-1678.e18	13.3	11
253	Serotonin Deficiency Is Associated With Delayed Gastric Emptying. <i>Gastroenterology</i> , 2021 , 160, 2451-2463.e19	13.3	10
252	Ca signaling driving pacemaker activity in submucosal interstitial cells of Cajal in the murine colon. <i>ELife</i> , 2021 , 10,	8.9	6
251	Characterization of the A-type potassium current in murine gastric fundus smooth muscles. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 321, C684-C693	5.4	
250	Molecular and functional characterization of detrusor PDGFR β positive cells in spinal cord injury-induced detrusor overactivity. <i>Scientific Reports</i> , 2021 , 11, 16268	4.9	2
249	Colonic Motility Is Improved by the Activation of 5-HT Receptors on Interstitial Cells of Cajal in Diabetic Mice. <i>Gastroenterology</i> , 2021 , 161, 608-622.e7	13.3	6
248	Neurotransmitters responsible for purinergic motor neurotransmission and regulation of GI motility. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021 , 234, 102829	2.4	2
247	Ca transients in ICC-MY define the basis for the dominance of the corpus in gastric pacemaking. <i>Cell Calcium</i> , 2021 , 99, 102472	4	1
246	Identification and classification of interstitial cells in the mouse renal pelvis. <i>Journal of Physiology</i> , 2020 , 598, 3283-3307	3.9	7

245	Norepinephrine Has Dual Effects on Human Colonic Contractions Through Distinct Subtypes of Alpha 1 Adrenoceptors. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 10, 658-671.e1	7.9	5
244	A novel postsynaptic signal pathway of sympathetic neural regulation of murine colonic motility. <i>FASEB Journal</i> , 2020 , 34, 5563-5577	0.9	7
243	TRPML1 channels initiate Ca sparks in vascular smooth muscle cells. <i>Science Signaling</i> , 2020 , 13,	8.8	11
242	A novel intramuscular Interstitial Cell of Cajal is a candidate for generating pacemaker activity in the mouse internal anal sphincter. <i>Scientific Reports</i> , 2020 , 10, 10378	4.9	4
241	Opiates, the Pylorus, and Gastroparesis. <i>Gastroenterology</i> , 2020 , 159, 414-421	13.3	6
240	Contribution of Ca _v 1.2 Ca channels and store-operated Ca entry to pig urethral smooth muscle contraction. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F496-F505	4.3	1
239	Expression of Alpha-type Platelet-derived Growth Factor Receptor-influenced Genes Predicts Clinical Outcome in Glioma. <i>Translational Oncology</i> , 2020 , 13, 233-240	4.9	2
238	Pacemaker function and neural responsiveness of subserosal interstitial cells of Cajal in the mouse colon. <i>Journal of Physiology</i> , 2020 , 598, 651-681	3.9	9
237	Nerves, smooth muscle cells and interstitial cells in the GI tract: Molecular and cellular interactions 2020 , 3-16		2
236	A high throughput machine-learning driven analysis of Ca spatio-temporal maps. <i>Cell Calcium</i> , 2020 , 91, 102260	4	4
235	The intracellular Ca release channel TRPML1 regulates lower urinary tract smooth muscle contractility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30775-30786	11.5	7
234	Excitatory cholinergic responses in mouse colon intramuscular interstitial cells of Cajal are due to enhanced Ca release via M receptor activation. <i>FASEB Journal</i> , 2020 , 34, 10073-10095	0.9	6
233	Extracellular metabolism of the enteric inhibitory neurotransmitter Ethicotinamide adenine dinucleotide (ENAD) in the murine colon. <i>Journal of Physiology</i> , 2020 , 598, 4509-4521	3.9	6
232	Na/Ca Exchange and Pacemaker Activity of Interstitial Cells of Cajal. <i>Frontiers in Physiology</i> , 2020 , 11, 230	4.6	9
231	Applications of Spatio-temporal Mapping and Particle Analysis Techniques to Quantify Intracellular Ca ₂₊ Signaling In Situ. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	11
230	Na-K-2Cl Cotransporter and Store-Operated Ca Entry in Pacemaking by Interstitial Cells of Cajal. <i>Biophysical Journal</i> , 2019 , 117, 767-779	2.9	5
229	Spontaneous Electrical Activity and Rhythmicity in Gastrointestinal Smooth Muscles. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1124, 3-46	3.6	30
228	Ca signalling behaviours of intramuscular interstitial cells of Cajal in the murine colon. <i>Journal of Physiology</i> , 2019 , 597, 3587-3617	3.9	12

227	Myosalpinx Contractions Are Essential for Egg Transport Along the Oviduct and Are Disrupted in Reproductive Tract Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1124, 265-294	3.6	4
226	Tonic inhibition of murine proximal colon is due to nitrergic suppression of Ca signaling in interstitial cells of Cajal. <i>Scientific Reports</i> , 2019 , 9, 4402	4.9	17
225	Differential sensitivity of gastric and small intestinal muscles to inducible knockdown of anoctamin 1 and the effects on gastrointestinal motility. <i>Journal of Physiology</i> , 2019 , 597, 2337-2360	3.9	13
224	Nitric oxide and its role as a non-adrenergic, non-cholinergic inhibitory neurotransmitter in the gastrointestinal tract. <i>British Journal of Pharmacology</i> , 2019 , 176, 212-227	8.6	40
223	Smooth Muscle Transcriptome Browser: offering genome-wide references and expression profiles of transcripts expressed in intestinal SMC, ICC, and PDGFR α cells. <i>Scientific Reports</i> , 2019 , 9, 387	4.9	11
222	The Role of Prostaglandins in Disrupted Gastric Motor Activity Associated With Type 2 Diabetes. <i>Diabetes</i> , 2019 , 68, 637-647	0.9	6
221	An ex vivo bladder model with detrusor smooth muscle removed to analyse biologically active mediators released from the suburothelium. <i>Journal of Physiology</i> , 2019 , 597, 1467-1485	3.9	10
220	The cells and conductance mediating cholinergic neurotransmission in the murine proximal stomach. <i>Journal of Physiology</i> , 2018 , 596, 1549-1574	3.9	32
219	The effects of mitochondrial inhibitors on Ca signalling and electrical conductances required for pacemaking in interstitial cells of Cajal in the mouse small intestine. <i>Cell Calcium</i> , 2018 , 72, 1-17	4	14
218	Ca signalling in mouse urethral smooth muscle in situ: role of Ca stores and Ca influx mechanisms. <i>Journal of Physiology</i> , 2018 , 596, 1433-1466	3.9	17
217	The Mystery of the Interstitial Cells in the Urinary Bladder. <i>Annual Review of Pharmacology and Toxicology</i> , 2018 , 58, 603-623	17.9	17
216	Inhibitory Neural Regulation of the Ca Transients in Intramuscular Interstitial Cells of Cajal in the Small Intestine. <i>Frontiers in Physiology</i> , 2018 , 9, 328	4.6	21
215	SPORTS1.0: A Tool for Annotating and Profiling Non-coding RNAs Optimized for rRNA- and tRNA-derived Small RNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2018 , 16, 144-151	6.5	48
214	SOCE mediated by STIM and Orai is essential for pacemaker activity in the interstitial cells of Cajal in the gastrointestinal tract. <i>Science Signaling</i> , 2018 , 11,	8.8	16
213	Excitatory Neuronal Responses of Ca Transients in Interstitial Cells of Cajal in the Small Intestine. <i>ENeuro</i> , 2018 , 5,	3.9	21
212	The effect of mitochondrial inhibitors on Ca ²⁺ signalling and pacemaking conductances in interstitial cells of Cajal in the mouse small intestine. <i>FASEB Journal</i> , 2018 , 32, 764.3	0.9	
211	Elucidating the physiological role of platelet-derived growth factor receptor-alpha+ cells and characterization of ANO1 in the murine upper urinary tract.. <i>FASEB Journal</i> , 2018 , 32, 770.15	0.9	
210	Molecular and functional characterization of inwardly rectifying K currents in murine proximal colon. <i>Journal of Physiology</i> , 2018 , 596, 379-391	3.9	18

209	Extracellular gastrointestinal electrical recordings: movement not electrophysiology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 372	24.2	2
208	Clustering of Ca transients in interstitial cells of Cajal defines slow wave duration. <i>Journal of General Physiology</i> , 2017 , 149, 703-725	3.4	38
207	Power comes from technical fidelity, not from ease of use. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 372	24.2	1
206	Inhibitory responses mediated by vagal nerve stimulation are diminished in stomachs of mice with reduced intramuscular interstitial cells of Cajal. <i>Scientific Reports</i> , 2017 , 7, 44759	4.9	12
205	Premature contractions of the bladder are suppressed by interactions between TRPV4 and SK3 channels in murine detrusor PDGFR β cells. <i>Scientific Reports</i> , 2017 , 7, 12245	4.9	18
204	Serum response factor regulates smooth muscle contractility via myotonic dystrophy protein kinases and L-type calcium channels. <i>PLoS ONE</i> , 2017 , 12, e0171262	3.7	8
203	Microtubule structures underlying the sarcoplasmic reticulum support peripheral coupling sites to regulate smooth muscle contractility. <i>Science Signaling</i> , 2017 , 10,	8.8	21
202	Loss of nitric oxide-mediated inhibition of purine neurotransmitter release in the colon in the absence of interstitial cells of Cajal. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, G419-G433	5.1	14
201	A transcriptomic insight into the impacts of mast cells in lung, breast, and colon cancers. <i>Oncotmmunology</i> , 2017 , 6, e1360457	7.2	9
200	Transcriptome of interstitial cells of Cajal reveals unique and selective gene signatures. <i>PLoS ONE</i> , 2017 , 12, e0176031	3.7	47
199	Transcriptome analysis of PDGFR β cells identifies T-type Ca ²⁺ channel CACNA1G as a new pathological marker for PDGFR β cell hyperplasia. <i>PLoS ONE</i> , 2017 , 12, e0182265	3.7	16
198	Regulation of Gastrointestinal Smooth Muscle Function by Interstitial Cells. <i>Physiology</i> , 2016 , 31, 316-269.	8	60
197	Problems with extracellular recording of electrical activity in gastrointestinal muscle. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016 , 13, 731-741	24.2	23
196	Convergence of inhibitory neural inputs regulate motor activity in the murine and monkey stomach. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G838-G851	5.1	6
195	Spontaneous Ca(2+) transients in interstitial cells of Cajal located within the deep muscular plexus of the murine small intestine. <i>Journal of Physiology</i> , 2016 , 594, 3317-38	3.9	43
194	Rebuttal from Kenton M. Sanders, Sean M. Ward and Andreas Friebe. <i>Journal of Physiology</i> , 2016 , 594, 1515	3.9	2
193	Enteric Inhibitory Neurotransmission, Starting Down Under. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 891, 21-9	3.6	8
192	Effects of new-generation inhibitors of the calcium-activated chloride channel anoctamin 1 on slow waves in the gastrointestinal tract. <i>British Journal of Pharmacology</i> , 2016 , 173, 1339-49	8.6	30

191	Na ⁺ -K ⁺ -Cl ⁻ cotransporter (NKCC) maintains the chloride gradient to sustain pacemaker activity in interstitial cells of Cajal. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G1037-G1046	5.1	19
190	CrossTalk proposal: Interstitial cells are involved and physiologically important in neuromuscular transmission in the gut. <i>Journal of Physiology</i> , 2016 , 594, 1507-9	3.9	12
189	Influence of intracellular Ca ²⁺ and alternative splicing on the pharmacological profile of ANO1 channels. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C437-51	5.4	25
188	Nitric oxide-induced oxidative stress impairs pacemaker function of murine interstitial cells of Cajal during inflammation. <i>Pharmacological Research</i> , 2016 , 111, 838-848	10.2	21
187	Temporal sequence of activation of cells involved in purinergic neurotransmission in the colon. <i>Journal of Physiology</i> , 2015 , 593, 1945-63	3.9	40
186	A novel class of interstitial cells in the mouse and monkey female reproductive tracts. <i>Biology of Reproduction</i> , 2015 , 92, 102	3.9	15
185	Reply to OGrady et al. <i>Physiological Reviews</i> , 2015 , 95, 693-4	47.9	1
184	UTP activates small-conductance Ca ²⁺ -activated K ⁺ channels in murine detrusor PDGFR β cells. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, F569-74	4.3	11
183	Protease-activated receptors modulate excitability of murine colonic smooth muscles by differential effects on interstitial cells. <i>Journal of Physiology</i> , 2015 , 593, 1169-81	3.9	15
182	Cellular mediators of nitrergic neurotransmission in GI smooth muscles: no easy answer. <i>Journal of Physiology</i> , 2015 , 593, 4511-2	3.9	2
181	Measuring Gastrointestinal Electrical Activity With Extracellular Electrodes: Author's Reply. <i>Journal of Neurogastroenterology and Motility</i> , 2015 , 21, 625-6	4.4	
180	Regulation of gastric electrical and mechanical activity by cholinesterases in mice. <i>Journal of Neurogastroenterology and Motility</i> , 2015 , 21, 200-16	4.4	15
179	Serum Response Factor Is Essential for Prenatal Gastrointestinal Smooth Muscle Development and Maintenance of Differentiated Phenotype. <i>Journal of Neurogastroenterology and Motility</i> , 2015 , 21, 589-602	4.4	9
178	Appropriate experimental approach is critical for identifying neurotransmitter substances: application to enteric purinergic neurotransmission. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, G608-9	5.1	2
177	Characterization of slow waves generated by myenteric interstitial cells of Cajal of the rabbit small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G378-88	5.1	18
176	Intracellular Ca ²⁺ release from endoplasmic reticulum regulates slow wave currents and pacemaker activity of interstitial cells of Cajal. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C608-20	5.4	55
175	Smooth Muscle Cell Genome Browser: Enabling the Identification of Novel Serum Response Factor Target Genes. <i>PLoS ONE</i> , 2015 , 10, e0133751	3.7	35
174	Role of Telokin in Regulating Murine Gastric Fundus Smooth Muscle Tension. <i>PLoS ONE</i> , 2015 , 10, e0134376	3.7	5

173	Uridine adenosine tetraphosphate is a novel neurogenic P2Y1 receptor activator in the gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15821-6	11.5	26
172	Interstitial cells: regulators of smooth muscle function. <i>Physiological Reviews</i> , 2014 , 94, 859-907	47.9	278
171	The significance of interstitial cells in neurogastroenterology. <i>Journal of Neurogastroenterology and Motility</i> , 2014 , 20, 294-317	4.4	77
170	Bone Marrow Derived Kit-positive Cells Colonize the Gut but Fail to Restore Pacemaker Function in Intestines Lacking Interstitial Cells of Cajal. <i>Journal of Neurogastroenterology and Motility</i> , 2014 , 20, 326-37	4.4	7
169	Pharmacological properties of native CaCCs and TMEM16A. <i>Channels</i> , 2014 , 8, 473-4	3	3
168	Platelet-derived growth factor receptor- β positive cells and not smooth muscle cells mediate purinergic hyperpolarization in murine colonic muscles. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C561-70	5.4	56
167	Spontaneous transient hyperpolarizations in the rabbit small intestine. <i>Journal of Physiology</i> , 2014 , 592, 4733-45	3.9	12
166	Purinergic inhibitory regulation of murine detrusor muscles mediated by PDGFR β interstitial cells. <i>Journal of Physiology</i> , 2014 , 592, 1283-93	3.9	34
165	Expression and function of a T-type Ca ²⁺ conductance in interstitial cells of Cajal of the murine small intestine. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C705-13	5.4	44
164	Responses to enteric motor neurons in the gastric fundus of mice with reduced intramuscular interstitial cells of cajal. <i>Journal of Neurogastroenterology and Motility</i> , 2014 , 20, 171-84	4.4	21
163	Functional expression of SK channels in murine detrusor PDGFR ⁺ cells. <i>Journal of Physiology</i> , 2013 , 591, 503-13	3.9	42
162	A novel population of subepithelial platelet-derived growth factor receptor β positive cells in the mouse and human colon. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, G823-34	5.1	44
161	Reply from Kenton M. Sanders, Bhupal P. Bhetwal and Brian A. Perrino. <i>Journal of Physiology</i> , 2013 , 591, 5415-6	3.9	
160	Distribution and Ca(2+) signalling of fibroblast-like (PDGFR(+)) cells in the murine gastric fundus. <i>Journal of Physiology</i> , 2013 , 591, 6193-208	3.9	63
159	Ca ²⁺ sensitization pathways accessed by cholinergic neurotransmission in the murine gastric fundus. <i>Journal of Physiology</i> , 2013 , 591, 2971-86	3.9	48
158	Genome-wide discovery of gene isoforms expressed in primary smooth muscle cells. <i>FASEB Journal</i> , 2013 , 27, 939.9	0.9	
157	Platelet-derived growth factor receptor- β cells in mouse urinary bladder: a new class of interstitial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 691-700	5.6	67
156	Interstitial cells in the primate gastrointestinal tract. <i>Cell and Tissue Research</i> , 2012 , 350, 199-213	4.2	20

155	Regulation of gastrointestinal motility--insights from smooth muscle biology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012 , 9, 633-45	24.2	238
154	Adenosine 5-diphosphate-ribose is a neural regulator in primate and murine large intestine along with ENAD(+). <i>Journal of Physiology</i> , 2012 , 590, 1921-41	3.9	42
153	P2Y1 purinoreceptors are fundamental to inhibitory motor control of murine colonic excitability and transit. <i>Journal of Physiology</i> , 2012 , 590, 1957-72	3.9	86
152	Response from Sean M. Ward and Kenton M. Sanders. <i>Journal of Physiology</i> , 2012 , 590, 1301-1302	3.9	78
151	Platelet-derived growth factor receptor β positive cells in the tunica muscularis of human colon. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 1397-404	5.6	71
150	Anoctamins and gastrointestinal smooth muscle excitability. <i>Experimental Physiology</i> , 2012 , 97, 200-6	2.4	74
149	Excitatory nerve stimulation and agonist stimulation induce gastric fundus smooth muscle contraction via stimulus dependent Ca ²⁺ sensitization pathways-not via myosin light chain phosphorylation. <i>FASEB Journal</i> , 2012 , 26, 1163.5	0.9	
148	Epithonamide adenine dinucleotide is an enteric inhibitory neurotransmitter in human and nonhuman primate colons. <i>Gastroenterology</i> , 2011 , 140, 608-617.e6	13.3	78
147	Serum response factor-dependent MicroRNAs regulate gastrointestinal smooth muscle cell phenotypes. <i>Gastroenterology</i> , 2011 , 141, 164-75	13.3	45
146	A functional role for the α smooth muscle actin positive cells in gastrointestinal smooth muscles. <i>Journal of Physiology</i> , 2011 , 589, 697-710	3.9	153
145	The stretch-dependent potassium channel TREK-1 and its function in murine myometrium. <i>Journal of Physiology</i> , 2011 , 589, 1221-33	3.9	35
144	Muscarinic activation of Ca ²⁺ -activated Cl ⁻ current in interstitial cells of Cajal. <i>Journal of Physiology</i> , 2011 , 589, 4565-82	3.9	65
143	Analysis of pacemaker activity in the human stomach. <i>Journal of Physiology</i> , 2011 , 589, 6105-18	3.9	61
142	Electrical slow waves in the mouse oviduct are dependent on extracellular and intracellular calcium sources. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C1458-69	5.4	13
141	Relationship between interstitial cells of Cajal, fibroblast-like cells and inhibitory motor nerves in the internal anal sphincter. <i>Cell and Tissue Research</i> , 2011 , 344, 17-30	4.2	48
140	Basally activated nonselective cation currents regulate the resting membrane potential in human and monkey colonic smooth muscle. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, G287-96 ^{5.1}		29
139	MicroRNAs dynamically remodel gastrointestinal smooth muscle cells. <i>PLoS ONE</i> , 2011 , 6, e18628	3.7	35
138	Neuroeffector apparatus in gastrointestinal smooth muscle organs. <i>Journal of Physiology</i> , 2010 , 588, 4621-39	3.9	103

137	A model to study the phenotypic changes of interstitial cells of Cajal in gastrointestinal diseases. <i>Gastroenterology</i> , 2010 , 138, 1068-78.e1-2	13.3	56
136	Caffeine inhibits nonselective cationic currents in interstitial cells of Cajal from the murine jejunum. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 297, C971-8	5.4	9
135	Interstitial cells of Cajal generate spontaneous transient depolarizations in the rat gastric fundus. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, G814-24	5.1	16
134	Prostaglandin regulation of gastric slow waves and peristalsis. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, G1180-90	5.1	30
133	Expression of anoctamin 1/TMEM16A by interstitial cells of Cajal is fundamental for slow wave activity in gastrointestinal muscles. <i>Journal of Physiology</i> , 2009 , 587, 4887-904	3.9	301
132	A Ca(2+)-activated Cl(-) conductance in interstitial cells of Cajal linked to slow wave currents and pacemaker activity. <i>Journal of Physiology</i> , 2009 , 587, 4905-18	3.9	201
131	Heterogeneities in ICC Ca ²⁺ activity within canine large intestine. <i>Gastroenterology</i> , 2009 , 136, 2226-36	13.3	36
130	Chlamydia infection causes loss of pacemaker cells and inhibits oocyte transport in the mouse oviduct. <i>Biology of Reproduction</i> , 2009 , 80, 665-73	3.9	65
129	Differential expression of ionic conductances in interstitial cells of Cajal in the murine gastric antrum. <i>Journal of Physiology</i> , 2008 , 586, 859-73	3.9	17
128	Block of inhibitory junction potentials and TREK-1 channels in murine colon by Ca ²⁺ store-active drugs. <i>Journal of Physiology</i> , 2008 , 586, 1169-84	3.9	20
127	An outwardly rectifying and deactivating chloride channel expressed by interstitial cells of cajal from the murine small intestine. <i>Journal of Membrane Biology</i> , 2008 , 221, 123-32	2.3	14
126	Selective labeling and isolation of functional classes of interstitial cells of Cajal of human and murine small intestine. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C497-507	5.4	66
125	The mechanism and spread of pacemaker activity through myenteric interstitial cells of Cajal in human small intestine. <i>Gastroenterology</i> , 2007 , 132, 1852-65	13.3	85
124	Septal interstitial cells of Cajal conduct pacemaker activity to excite muscle bundles in human jejunum. <i>Gastroenterology</i> , 2007 , 133, 907-17	13.3	47
123	Kit signaling is essential for development and maintenance of interstitial cells of Cajal and electrical rhythmicity in the embryonic gastrointestinal tract. <i>Developmental Dynamics</i> , 2007 , 236, 60-72	2.9	76
122	Kit mutants and gastrointestinal physiology. <i>Journal of Physiology</i> , 2007 , 578, 33-42	3.9	82
121	Inactivation of inducible nitric oxide synthase protects intestinal pacemaker cells from postoperative damage. <i>Journal of Physiology</i> , 2007 , 582, 755-65	3.9	20
120	Beta-nicotinamide adenine dinucleotide is an inhibitory neurotransmitter in visceral smooth muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16359-64	11.5	141

119	Differential gene expression in functional classes of interstitial cells of Cajal in murine small intestine. <i>Physiological Genomics</i> , 2007 , 31, 492-509	3.6	92
118	Voltage-gated Ca ²⁺ currents are necessary for slow-wave propagation in the canine gastric antrum. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 293, C1645-59	5.4	40
117	Stretch-activated conductances in smooth muscles. <i>Current Topics in Membranes</i> , 2007 , 59, 511-40	2.2	2
116	Cloning and expression profiling of testis-expressed piRNA-like RNAs. <i>Rna</i> , 2007 , 13, 1693-702	5.8	62
115	Tissue-dependent paired expression of miRNAs. <i>Nucleic Acids Research</i> , 2007 , 35, 5944-53	20.1	268
114	Cloning and expression profiling of small RNAs expressed in the mouse ovary. <i>Rna</i> , 2007 , 13, 2366-80	5.8	150
113	Cloning and expression profiling of testis-expressed microRNAs. <i>Developmental Biology</i> , 2007 , 311, 592-602	6.0	213
112	VIP and PACAP regulate localized Ca ²⁺ transients via cAMP-dependent mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C375-85	5.4	27
111	Neural regulation of slow-wave frequency in the murine gastric antrum. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, G486-95	5.1	46
110	Spatial and temporal mapping of pacemaker activity in interstitial cells of Cajal in mouse ileum in situ. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C1411-27	5.4	89
109	Nucleotide regulation of the voltage-dependent nonselective cation conductance in murine colonic myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C985-94	5.4	36
108	Interstitial cells of cajal as pacemakers in the gastrointestinal tract. <i>Annual Review of Physiology</i> , 2006 , 68, 307-43	23.1	471
107	A PCR-based method for detection and quantification of small RNAs. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 756-63	3.4	140
106	Two-pore-domain potassium channels in smooth muscles: new components of myogenic regulation. <i>Journal of Physiology</i> , 2006 , 570, 37-43	3.9	56
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