

# Simon J Gibbons

## List of Publications by Year in descending order

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128  
papers

4,657  
citations

71061

41  
h-index

106281

65  
g-index

130  
all docs

130  
docs citations

130  
times ranked

4000  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A simple automated approach to measure mouse whole gut transit. <i>Neurogastroenterology and Motility</i> , 2021, 33, e13994.  | 1.6 | 7         |
| 2  | Muscularis macrophages establish cell-to-cell contacts with telocytes/PDGFR $\alpha$ -positive cells and smooth muscle cells in the human and mouse gastrointestinal tract. <i>Neurogastroenterology and Motility</i> , 2021, 33, e13993.                          | 1.6 | 22        |
| 3  | Wnt-induced, TRP53-mediated Cell Cycle Arrest of Precursors Underlies Interstitial Cell of Cajal Depletion During Aging. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 117-145.  | 2.3 | 9         |
| 4  | Bicarbonate ion transport by the electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransporter, NBCe1, is required for normal electrical slow-wave activity in mouse small intestine. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14149.    | 1.6 | 0         |
| 5  | Expression of the regulated isoform of the electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransporter, NBCe1, is enriched in pacemaker interstitial cells of Cajal. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G93-G107. | 1.6 | 2         |
| 6  | Identification of intrinsic primary afferent neurons in mouse jejunum. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13989.   | 1.6 | 11        |
| 7  | microRNA overexpression in slow transit constipation leads to reduced Na <sup>V</sup> 1.5 current and altered smooth muscle contractility. <i>Gut</i> , 2020, 69, 868-876.   | 6.1 | 18        |
| 8  | A Method for Multi-day Tracking of Gastrointestinal Smooth Muscle Contractile Patterns in Organotypic Culture. , 2019, 2019, 4791-4794.  |     | 1         |
| 9  | Proteomics in gastroparesis: unique and overlapping protein signatures in diabetic and idiopathic gastroparesis. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G716-G726.  | 1.6 | 25        |
| 10 | Slow-wave coupling across a gastroduodenal anastomosis as a mechanism for postsurgical gastric dysfunction: evidence for a "gastrointestinal aberrant pathway". <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G141-G146.                   | 1.6 | 26        |
| 11 | Muscularis Propria Macrophages Alter the Proportion of Nitroergic but Not Cholinergic Gastric Myenteric Neurons. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 689-691.e4.  | 2.3 | 22        |
| 12 | Direct repression of anoctamin 1 ( ANO1 ) gene transcription by Gli proteins. <i>FASEB Journal</i> , 2019, 33, 6632-6642.  | 0.2 | 16        |
| 13 | A Pipeline for the Registration of Calcium Transient Data to Structural Networks of the Interstitial Cells of Cajal. , 2019, 2019, 2765-2768.  |     | 0         |
| 14 | The Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransporter (Nbc1, Slc4a4) is Enriched in Interstitial Cells of Cajal Responsible for Generating Electrical Slow Wave Activity in the Mouse Gastrointestinal Tract. <i>FASEB Journal</i> , 2019, 33, 544.8.   | 0.2 | 0         |
| 15 | NBCe1 in the Kidney and Lower Urogenital Tract. <i>FASEB Journal</i> , 2019, 33, 544.5.  | 0.2 | 0         |
| 16 | Not just there to fill space: profound observations on interstitial cells of Cajal in the gastric fundus. <i>Journal of Physiology</i> , 2018, 596, 1535-1536.   | 1.3 | 2         |
| 17 | High temporal resolution gastric emptying breath tests in mice. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13333.  | 1.6 | 10        |
| 18 | Change in Populations of Macrophages Promotes Development of Delayed Gastric Emptying in Mice. <i>Gastroenterology</i> , 2018, 154, 2122-2136.e12.   | 0.6 | 64        |

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|----|--|-----|-----------|
| 19 | Extracellular Cl <sup>−</sup> regulates electrical slow waves and setting of smooth muscle membrane potential by interstitial cells of Cajal in mouse jejunum. <i>Experimental Physiology</i> , 2018, 103, 40-57.                              | 0.9 | 5         |
| 20 | Irritable bowel syndrome patients have <i>SCN5A</i> channelopathies that lead to decreased Na <sup>V</sup> 1.5 current and mechanosensitivity. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G494-G503.                | 1.6 | 40        |
| 21 | Expression of RAD21 immunoreactivity in myenteric neurons of the human and mouse small intestine. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13429.  | 1.6 | 3         |
| 22 | Transcriptomic signatures reveal immune dysregulation in human diabetic and idiopathic gastroparesis. <i>BMC Medical Genomics</i> , 2018, 11, 62.  | 0.7 | 38        |
| 23 | Diabetic and idiopathic gastroparesis is associated with loss of CD206 <sup>+</sup> macrophages in the gastric antrum. <i>Neurogastroenterology and Motility</i> , 2017, 29, e13018.   | 1.6 | 77        |
| 24 | Hyperglycemia Increases Interstitial Cells of Cajal via MAPK1 and MAPK3 Signaling to ETV1 and KIT, Leading to Rapid Gastric Emptying. <i>Gastroenterology</i> , 2017, 153, 521-535.e20.  | 0.6 | 59        |
| 25 | Conditional genetic deletion of <i>Ano1</i> in interstitial cells of Cajal impairs Ca <sup>2+</sup> transients and slow waves in adult mouse small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G228-G245. | 1.6 | 72        |
| 26 | EAVK segment <i>α</i> -sequence confers Ca <sup>2+</sup> -dependent changes to the kinetics of full-length human <i>Ano1</i> . <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G572-G579.                                | 1.6 | 6         |
| 27 | Tumor necrosis factor alpha derived from classically activated M1 macrophages reduces interstitial cell of Cajal numbers. <i>Neurogastroenterology and Motility</i> , 2017, 29, e12984.  | 1.6 | 33        |
| 28 | Mechanosensitive ion channel <i>Piezo2</i> is important for enterochromaffin cell response to mechanical forces. <i>Journal of Physiology</i> , 2017, 595, 79-91.  | 1.3 | 121       |
| 29 | Repeat polymorphisms in the <i>Homo sapiens</i> heme oxygenase-1 gene in diabetic and idiopathic gastroparesis. <i>PLoS ONE</i> , 2017, 12, e0187772.  | 1.1 | 17        |
| 30 | Effects of hemin on heme oxygenase-1, gastric emptying, and symptoms in diabetic gastroparesis. <i>Neurogastroenterology and Motility</i> , 2016, 28, 1731-1740.   | 1.6 | 33        |
| 31 | Intrinsic Gastrointestinal Macrophages: Their Phenotype and Role in Gastrointestinal Motility. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 120-130.e1.  | 2.3 | 57        |
| 32 | Expression and function of the <i>Scn5a</i> -encoded voltage-gated sodium channel Na <sup>V</sup> 1.5 in the rat jejunum. <i>Neurogastroenterology and Motility</i> , 2016, 28, 64-73.   | 1.6 | 13        |
| 33 | Interleukin 10 Restores Gastric Emptying, Electrical Activity, and Interstitial Cells of Cajal Networks in Diabetic Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 454-467.                                    | 2.3 | 23        |
| 34 | Diabetic <i>Csf1op/op</i> Mice Lacking Macrophages Are Protected Against the Development of Delayed Gastric Emptying. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 40-47.  | 2.3 | 38        |
| 35 | A novel exon in the human Ca <sup>2+</sup> -activated Cl <sup>−</sup> channel <i>Ano1</i> imparts greater sensitivity to intracellular Ca <sup>2+</sup> . <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G743-G749.     | 1.6 | 13        |
| 36 | Changes in nitrenergic and tachykinergic pathways in rat proximal colon in response to chronic treatment with otilonium bromide. <i>Neurogastroenterology and Motility</i> , 2015, 27, 997-1009.   | 1.6 | 8         |

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|----|--|-----|-----------|
| 37 | Su1860 Extracellular Chloride (Cl <sup>-</sup> ) Substitution Disrupts Electrical Slow Wave Activity but Has Small Effects on Membrane Potential in Mouse Jejunal Smooth Muscle. <i>Gastroenterology</i> , 2015, 148, S-536.   | 0.6 | 0         |
| 38 | 66 Diabetic CSFOP/Op (Op/Op) Mice Lacking Functional Macrophage Colony Stimulating Factor (CSF1) Develop Delayed Gastric Emptying and Depleted Networks of Interstitial Cells of Cajal When Treated With Recombinant CSF1. <i>Gastroenterology</i> , 2015, 148, S-19.            | 0.6 | 0         |
| 39 | 385 Conditional Genomic Deletion of Ano1 in Kit-Expressing Cells of Adult Mice Results in Loss of Slow Waves and Reduced Coordination of Ca <sup>2+</sup> Transients in Myenteric Interstitial Cells of Cajal of the Small Intestine. <i>Gastroenterology</i> , 2015, 148, S-80. | 0.6 | 0         |
| 40 | 677 IBS Patients Have SCN5A Mutations That Result in Decreased NaV1.5 Current and Mechanosensitivity. <i>Gastroenterology</i> , 2015, 148, S-130-S-131.  | 0.6 | 1         |
| 41 | 299 Diabetic and Idiopathic Gastroparesis Is Associated With Loss of Antral Interstitial Cells of Cajal and CD206 Positive Macrophages. <i>Gastroenterology</i> , 2015, 148, S-65.   | 0.6 | 0         |
| 42 | Platelet-Derived Growth Factor Receptor- $\alpha$ Regulates Proliferation of Gastrointestinal Stromal Tumor Cells With Mutations in KIT by Stabilizing ETV1. <i>Gastroenterology</i> , 2015, 149, 420-432.e16.   | 0.6 | 68        |
| 43 | A gamma variate model that includes stretched exponential is a better fit for gastric emptying data from mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G162-G170.  | 1.6 | 5         |
| 44 | Macrophages in diabetic gastroparesis â€” the missing link?. <i>Neurogastroenterology and Motility</i> , 2015, 27, 7-18.   | 1.6 | 40        |
| 45 | Identification and characterization of a novel promoter for the human <i>ANO1</i> gene regulated by the transcription factor signal transducer and activator of transcription 6 (STAT6). <i>FASEB Journal</i> , 2015, 29, 152-163.   | 0.2 | 37        |
| 46 | Effects of aspirin & simvastatin and aspirin, simvastatin, & lipoic acid on heme oxygenase-1 in healthy human subjects. <i>Neurogastroenterology and Motility</i> , 2014, 26, 1437-1442.   | 1.6 | 9         |
| 47 | RNA sequencing shows transcriptomic changes in rectosigmoid mucosa in patients with irritable bowel syndrome-diarrhea: a pilot case-control study. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G1089-G1098.  | 1.6 | 52        |
| 48 | 69 Gastroparesis Is Associated With Expanded Polynucleotide Repeats in the Promoter Region Upstream of the Transcriptional Start Site for the Heme Oxygenase 1 (HO1) Gene. <i>Gastroenterology</i> , 2014, 146, S-19.  | 0.6 | 1         |
| 49 | Su2029 Medium Conditioned With Conventionally-Activated M1 Macrophages Inhibits Survival of Mouse Interstitial Cells of Cajal in Primary Culture. <i>Gastroenterology</i> , 2014, 146, S-527.  | 0.6 | 0         |
| 50 | Mo1280 Next Generation Sequencing of Gastric Smooth Muscle RNA Identifies Gene Markers for Altered Immune Function and Reduced Cellular Proliferation and Differentiation in Patients With Gastroparesis. <i>Gastroenterology</i> , 2014, 146, S-606.                            | 0.6 | 0         |
| 51 | Ano1, a Ca <sup>2+</sup> -activated Cl <sup>-</sup> channel, coordinates contractility in mouse intestine by Ca <sup>2+</sup> transient coordination between interstitial cells of Cajal. <i>Journal of Physiology</i> , 2014, 592, 4051-4068.                                   | 1.3 | 84        |
| 52 | Association of low numbers of CD206-positive cells with loss of ICC in the gastric body of patients with diabetic gastroparesis. <i>Neurogastroenterology and Motility</i> , 2014, 26, 1275-1284.  | 1.6 | 83        |
| 53 | Computational modeling of anoctamin 1 calcium-activated chloride channels as pacemaker channels in interstitial cells of Cajal. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G711-G727.   | 1.6 | 39        |
| 54 | 64 RNA Sequencing Shows Transcriptomic Changes in Rectosigmoid Mucosa in Patients With Irritable Bowel Syndrome-Diarrhea. <i>Gastroenterology</i> , 2014, 146, S-18.   | 0.6 | 1         |

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|----|---|-----|-----------|
| 55 | Su2023 IL-4 via STAT6 Regulates a Promoter for the Human Ano1 Gene. <i>Gastroenterology</i> , 2014, 146, S-526.   | 0.6 | 0         |
| 56 | 789 A Novel Exon of the Human Calcium-Activated Chloride Channel Ano1 Imparts Greater Sensitivity of Cl <sup>-</sup> Current to Intracellular CA <sup>2+</sup> . <i>Gastroenterology</i> , 2014, 146, S-135.      | 0.6 | 0         |
| 57 | Review article: carbon monoxide in gastrointestinal physiology and its potential in therapeutics. <i>Alimentary Pharmacology and Therapeutics</i> , 2013, 38, 689-702.  | 1.9 | 41        |
| 58 | ICC Network Density: Regulation and Consequences. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013, , 29-49.  | 0.5 | 1         |
| 59 | Numerical metrics for automated quantification of interstitial cell of Cajal network structural properties. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130421.                                   | 1.5 | 21        |
| 60 | Cellular automaton model for simulating tissue-specific intestinal electrophysiological activity. , 2013, 2013, 5537-40.  |     | 5         |
| 61 | Kit Signaling Is Required for Development of Coordinated Motility Patterns in Zebrafish Gastrointestinal Tract. <i>Zebrafish</i> , 2013, 10, 154-160.   | 0.5 | 26        |
| 62 | Assessment of Gastric Emptying in Non-obese Diabetic Mice Using a [ <sup>13</sup> C]-octanoic Acid Breath Test. <i>Journal of Visualized Experiments</i> , 2013, , e50301.  | 0.2 | 11        |
| 63 | Membrane-To-Nucleus Signaling Links Insulin-Like Growth Factor-1- and Stem Cell Factor-Activated Pathways. <i>PLoS ONE</i> , 2013, 8, e76822.   | 1.1 | 14        |
| 64 | Inhibition of cell proliferation by a selective inhibitor of the Ca <sup>2+</sup> -activated Cl <sup>-</sup> channel, Ano1. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 248-253.      | 1.0 | 78        |
| 65 | A Stochastic Multi-Scale Model of Electrical Function in Normal and Depleted ICC Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 3451-3455.  | 2.5 | 15        |
| 66 | Changes in interstitial cells of cajal with age in the human stomach and colon. <i>Neurogastroenterology and Motility</i> , 2011, 23, 36-44.  | 1.6 | 95        |
| 67 | Immunoreactivity for Ano1 detects depletion of Kit-positive interstitial cells of Cajal in patients with slow transit constipation. <i>Neurogastroenterology and Motility</i> , 2011, 23, 760-765.                | 1.6 | 46        |
| 68 | Hydrogen sulfide is a partially redox-independent activator of the human jejunum Na <sup>+</sup> channel, Na <sub>v</sub> 1.5. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G1105-G1114. | 1.6 | 29        |
| 69 | Altered Expression of Ano1 Variants in Human Diabetic Gastroparesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 13393-13403.   | 1.6 | 95        |
| 70 | Ano1 as a regulator of proliferation. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G1044-G1051.  | 1.6 | 78        |
| 71 | Ano1 as a regulator of proliferation. <i>FASEB Journal</i> , 2011, 25, lb115.   | 0.2 | 0         |
| 72 | Lack of serotonin 5-HT <sub>2B</sub> receptor alters proliferation and network volume of interstitial cells of Cajal <i>in vivo</i> . <i>Neurogastroenterology and Motility</i> , 2010, 22, 462-e110.             | 1.6 | 56        |

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|----|---|-----|-----------|
| 73 | First-in-Human Study Demonstrating Pharmacological Activation of Heme Oxygenase-1 in Humans. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 87, 187-190.   | 2.3 | 77        |
| 74 | PERSPECTIVES: A little humour relaxes the gallbladder. <i>Journal of Physiology</i> , 2010, 588, 3131-3132.   | 1.3 | 1         |
| 75 | T-type Ca <sup>2+</sup> channel modulation by otilonium bromide. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G706-G713.   | 1.6 | 21        |
| 76 | Carbon monoxide reverses diabetic gastroparesis in NOD mice. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G1013-G1019.   | 1.6 | 54        |
| 77 | S2062 Age-Related Loss of Interstitial Cells of Cajal in the Human Colon. <i>Gastroenterology</i> , 2010, 138, S-312.   | 0.6 | 0         |
| 78 | S2060 Ano1 Plays a Role in the Proliferation of ICC. <i>Gastroenterology</i> , 2010, 138, S-311.  | 0.6 | 0         |
| 79 | S2061 Effects of Aging on Interstitial Cells of Cajal in the Human Stomach. <i>Gastroenterology</i> , 2010, 138, S-311-S-312.   | 0.6 | 0         |
| 80 | Tissue-Specific Mathematical Models of Slow Wave Entrainment in Wild-Type and 5-HT2B Knockout Mice with Altered Interstitial Cells of Cajal Networks. <i>Biophysical Journal</i> , 2010, 98, 1772-1781. | 0.2 | 58        |
| 81 | 114 Altered Expression of Ano1 Variants in Gastroparesis. <i>Gastroenterology</i> , 2010, 138, S-21.  | 0.6 | 0         |
| 82 | 118 Increased Expression of M2c Macrophage-Associated Gene Transcripts in Diabetic Mice Resistant to Delayed Gastric Emptying. <i>Gastroenterology</i> , 2010, 138, S-22.                               | 0.6 | 0         |
| 83 | CD206-Positive M2 Macrophages That Express Heme Oxygenase-1 Protect Against Diabetic Gastroparesis in Mice. <i>Gastroenterology</i> , 2010, 138, 2399-2409.e1.  | 0.6 | 189       |
| 84 | S2064 Tissue-Specific Mathematical Models of Slow Wave Entrainment in Wild-Type and 5-HT2B Knockout Mice With Altered Interstitial Cells of Cajal Networks. <i>Gastroenterology</i> , 2010, 138, S-312. | 0.6 | 0         |
| 85 | Protein Kinase C $\delta$ Mediates Regulation of Proliferation by the Serotonin 5-Hydroxytryptamine Receptor 2B. <i>Journal of Biological Chemistry</i> , 2009, 284, 21177-21184.                       | 1.6 | 23        |
| 86 | Ano1 is a selective marker of interstitial cells of Cajal in the human and mouse gastrointestinal tract. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G1370-G1381.             | 1.6 | 320       |
| 87 | The $\alpha_1$ Ca <sup>2+</sup> channel subunit is expressed in mouse jejunal interstitial cells of Cajal and myocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4422-4431.        | 1.6 | 33        |
| 88 | Apoptotic cell death of human interstitial cells of Cajal. <i>Neurogastroenterology and Motility</i> , 2009, 21, 85-93.   | 1.6 | 68        |
| 89 | Diagnostic challenges of motility disorders: optimal detection of CD117+ interstitial cells of Cajal. <i>Histopathology</i> , 2009, 54, 286-294.  | 1.6 | 31        |
| 90 | Effect of age on the enteric nervous system of the human colon. <i>Neurogastroenterology and Motility</i> , 2009, 21, 746.  | 1.6 | 134       |

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|-----|---|-----|-----------|
| 91  | 265 Immunoreactivity for Ano1 Detects Depletion of Interstitial Cells of Cajal in Patients with Slow Transit Constipation. <i>Gastroenterology</i> , 2009, 136, A-51.   | 0.6 | 0         |
| 92  | 377 CD206 Positive M2 Macrophages Expressing Ho1 Protect Against the Development of Delayed GE in a Mouse Model of Diabetic Gastroparesis. <i>Gastroenterology</i> , 2009, 136, A-62.                               | 0.6 | 0         |
| 93  | 379 Insulin-Like Growth Factor-I (IGF-I) Reverses Delayed Gastric Emptying in Calorically Restricted Mice and Stimulates Gastric Expression of Stem Cell Factor (SCF). <i>Gastroenterology</i> , 2009, 136, A-62.   | 0.6 | 0         |
| 94  | 469 Carbon Monoxide Reverses Diabetic Gastroparesis in NOD Mice. <i>Gastroenterology</i> , 2009, 136, A-75.   | 0.6 | 1         |
| 95  | T1786 Ano1 Is a Selective Marker for Interstitial Cells of Cajal (ICC) and Their Precursors in the Murine Gastrointestinal Tract. <i>Gastroenterology</i> , 2009, 136, A-579.                                       | 0.6 | 0         |
| 96  | Cellular pathogenesis of diabetic gastroenteropathy. <i>Minerva Gastroenterologica E Dietologica</i> , 2009, 55, 315-43.  | 2.2 | 45        |
| 97  | 714 Stimulation of the 5-HT <sub>2b</sub> Receptor On ICC Activates Calcium Dependent Protein Kinase Cs to Induce Proliferation. <i>Gastroenterology</i> , 2008, 134, A-102.  | 0.6 | 0         |
| 98  | 850 Induction of Heme Oxygenase Reverses Diabetic Gastroparesis in NOD/Ltj Mice. <i>Gastroenterology</i> , 2008, 134, A-123.  | 0.6 | 0         |
| 99  | Heme Oxygenase-1 Protects Interstitial Cells of Cajal From Oxidative Stress and Reverses Diabetic Gastroparesis. <i>Gastroenterology</i> , 2008, 135, 2055-2064.e2.   | 0.6 | 212       |
| 100 | S1656 Age Related Loss of Myenteric Neurons and Choline Acetyl Transferase-Positive Neurons in the Normal Human Colon. <i>Gastroenterology</i> , 2008, 134, A-243.  | 0.6 | 0         |
| 101 | A Mutation in Telethonin Alters Nav1.5 Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 16537-16544.   | 1.6 | 59        |
| 102 | Determination of gastric emptying in nonobese diabetic mice. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, G1039-G1045.   | 1.6 | 44        |
| 103 | Computer aided classification of cell nuclei in the gastrointestinal tract by volume and principal axis. , 2007, 6514, 65140E.  |     | 0         |
| 104 | Exogenous Serotonin Regulates Proliferation of Interstitial Cells of Cajal in Mouse Jejunum Through 5-HT <sub>2B</sub> Receptors. <i>Gastroenterology</i> , 2007, 133, 897-906.                                     | 0.6 | 78        |
| 105 | Kit-like immunoreactivity in the zebrafish gastrointestinal tract reveals putative ICC. <i>Developmental Dynamics</i> , 2007, 236, 903-911.   | 0.8 | 34        |
| 106 | Species dependent expression of intestinal smooth muscle mechanosensitive sodium channels. <i>Neurogastroenterology and Motility</i> , 2007, 19, 135-143.   | 1.6 | 34        |
| 107 | Regulation of interstitial cells of Cajal in the mouse gastric body by neuronal nitric oxide. <i>Neurogastroenterology and Motility</i> , 2007, 19, 585-595.  | 1.6 | 87        |
| 108 | Carbon monoxide activates human intestinal smooth muscle L-type Ca <sup>2+</sup> channels through a nitric oxide-dependent mechanism. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G7-G14. | 1.6 | 52        |

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|-----|--|-----|-----------|
| 109 | Effect of mibefradil on sodium and calcium currents. American Journal of Physiology - Renal Physiology, 2005, 289, G249-G253.  | 1.6 | 42        |
| 110 | The role of carbon monoxide in the gastrointestinal tract. Journal of Physiology, 2004, 556, 325-336.  | 1.3 | 91        |
| 111 | Kit/stem cell factor receptor-induced phosphatidylinositol 3'-kinase signalling is not required for normal development and function of interstitial cells of Cajal in mouse gastrointestinal tract. Neurogastroenterology and Motility, 2003, 15, 643-653. | 1.6 | 16        |
| 112 | Syntrophin $\beta$ 2 Regulates SCN5A Gating by a PDZ Domain-mediated Interaction. Journal of Biological Chemistry, 2003, 278, 1915-1923.   | 1.6 | 103       |
| 113 | Sodium current in human intestinal interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2003, 285, G1111-G1121.   | 1.6 | 130       |
| 114 | Local presentation of Steel factor increases expression of c-kit immunoreactive interstitial cells of Cajal in culture. American Journal of Physiology - Renal Physiology, 2003, 284, G313-G320.   | 1.6 | 69        |
| 115 | $\text{Ca}^{2+}$ L-type calcium channel mediates mechanosensitive calcium regulation. American Journal of Physiology - Cell Physiology, 2002, 283, C1001-C1008.  | 2.1 | 104       |
| 116 | Sodium current in human jejunal circular smooth muscle cells. Gastroenterology, 2002, 122, 178-187.  | 0.6 | 72        |
| 117 | SCN5A is expressed in human jejunal circular smooth muscle cells. Neurogastroenterology and Motility, 2002, 14, 477-486.   | 1.6 | 66        |
| 118 | Sodium current in human small intestinal interstitial cells of cajal. Gastroenterology, 2001, 120, A201.   | 0.6 | 2         |
| 119 | POTASSIUM OUTWARD CURRENTS IN FRESHLY DISSOCIATED RABBIT CORPUS CAVERNOSUM MYOCYTES. Journal of Urology, 2001, 166, 1167-1177.   | 0.2 | 20        |
| 120 | CORPOREAL STRUCTURAL AND VASCULAR MICRO ARCHITECTURE WITH X-RAY MICRO COMPUTERIZED TOMOGRAPHY IN NORMAL AND DIABETIC RABBITS: HISTOPATHOLOGICAL CORRELATION. Journal of Urology, 2001, 165, 1776-1782.   | 0.2 | 37        |
| 121 | P2X7 receptors in rat parotid acinar cells: formation of large pores. Autonomic and Autacoid Pharmacology, 2001, 21, 181-190.  | 0.7 | 18        |
| 122 | POTASSIUM OUTWARD CURRENTS IN FRESHLY DISSOCIATED RABBIT CORPUS CAVERNOSUM MYOCYTES. Journal of Urology, 2001, , 1167-1177.  | 0.2 | 1         |
| 123 | Salivary Gland P2 Nucleotide Receptors. Critical Reviews in Oral Biology and Medicine, 1999, 10, 210-224.  | 4.4 | 69        |
| 124 | Expression and Trans-synaptic Regulation of P2x4 and P2z Receptors for Extracellular ATP in Parotid Acinar Cells. Journal of Biological Chemistry, 1998, 273, 26799-26808.   | 1.6 | 64        |
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