Gianrico Farrugia

List of Publications by Year
in descending order

190	14,018	17429	23514
papers	citations	63 h-index	111 g-index

194	194	194	12065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of liquid and solid test meals on symptoms and gastric myoelectrical activity in patients with gastroparesis and functional dyspepsia. Neurogastroenterology and Motility, 2023, 35, e14376.	1.6	6
2	Impact of the Coronavirus Disease 2019 (COVID-19) Vaccine on Asymptomatic Infection Among Patients Undergoing Preprocedural COVID-19 Molecular Screening. Clinical Infectious Diseases, 2022, 74, 59-65.	2.9	112
3	Effect of Domperidone Therapy on Gastroparesis Symptoms: Results of a Dynamic Cohort Study by NIDDK Gastroparesis Consortium. Clinical Gastroenterology and Hepatology, 2022, 20, e452-e464.	2.4	13
4	Specialized Mechanosensory Epithelial Cells in Mouse Gut Intrinsic Tactile Sensitivity. Gastroenterology, 2022, 162, 535-547.e13.	0.6	44
5	Targeted ablation of gastric pacemaker sites to modulate patterns of bioelectrical slow wave activation and propagation in an anesthetized pig model. American Journal of Physiology - Renal Physiology, 2022, 322, G431-G445.	1.6	10
6	Role of Macrophages and Mast Cells as Key Players in the Maintenance of Gastrointestinal Smooth Muscle Homeostasis and Disease. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1849-1862.	2.3	12
7	Capsaicin as an amphipathic modulator of Na_V1.5 mechanosensitivity. Channels, 2022, 16, 9-26.	1.5	3
8	Gut microbial Î²-glucuronidases regulate host luminal proteases and are depleted in irritable bowel syndrome. Nature Microbiology, 2022, 7, 680-694.	5.9	26
9	Human Colonoids Enable the Study of Hostâ€Specific Infectivity and Proteomic Responses to Campylobacter jejuni Infection. FASEB Journal, 2022, 36, .	0.2	0
10	Bacteriaâ€Derived Hypoxanthine Accelerates Gastrointestinal Transit. FASEB Journal, 2022, 36, .	0.2	1
11	Progress in Gastroparesis - A Narrative Review of the Work of the Gastroparesis Clinical Research Consortium. Clinical Gastroenterology and Hepatology, 2022, 20, 2684-2695.e3.	2.4	15
12	Characteristics and Risk Factors of Post-Infection Irritable Bowel Syndrome After Campylobacter Enteritis. Clinical Gastroenterology and Hepatology, 2021, 19, 1855-1863.e1.	2.4	17
13	Impact of integrated translational research on clinical exome sequencing. Genetics in Medicine, 2021, 23, 498-507.	1.1	24
14	A simple automated approach to measure mouse whole gut transit. Neurogastroenterology and Motility, 2021, 33, e13994.	1.6	7
15	Muscularis macrophages establish cellâ€toâ€cell contacts with telocytes/PDGFRÎ±â€positive cells and smooth muscle cells in the human and mouse gastrointestinal tract. Neurogastroenterology and Motility, 2021, 33, e13993.	1.6	22
16	Wnt-induced, TRP53-mediated Cell Cycle Arrest of Precursors Underlies Interstitial Cell of Cajal Depletion During Aging. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 117-145.	2.3	9
17	Role of gut microbiota in regulating gastrointestinal dysfunction and motor symptoms in a mouse model of Parkinsonâ€™s disease. Gut Microbes, 2021, 13, 1866974.	4.3	61
18	Gastric ablation as a novel technique for modulating electrical conduction in the in vivo stomach. American Journal of Physiology - Renal Physiology, 2021, 320, G573-G585.	1.6	15

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19	Bicarbonate ion transport by the electrogenic Na + /HCO 3 â^' cotransporter, NBCe1, is required for normal electrical slowâ€wave activity in mouse small intestine. Neurogastroenterology and Motility, 2021, 33, e14149.	1.6	0
20	Genome-wide analysis of 944 133 individuals provides insights into the etiology of haemorrhoidal disease. Gut, 2021, 70, 1538-1549.	6.1	21
21	Prevalence of SARS-CoV-2 Antibodies in a Multistate Academic Medical Center. Mayo Clinic Proceedings, 2021, 96, 1165-1174.	1.4	5
22	Mechanotransduction in gastrointestinal smooth muscle cells: role of mechanosensitive ion channels. American Journal of Physiology - Renal Physiology, 2021, 320, G897-G906.	1.6	22
23	Clinically Actionable Findings Derived From Predictive Genomic Testing Offered in a Medical Practice Setting. Mayo Clinic Proceedings, 2021, 96, 1407-1417.	1.4	6
24	Campylobacter jejuni genotypes are associated with post-infection irritable bowel syndrome in humans. Communications Biology, 2021, 4, 1015.	2.0	24
25	Multi-Omics Analyses Show Disease, Diet, and Transcriptome Interactions With the Virome. Gastroenterology, 2021, 161, 1194-1207.e8.	0.6	28
26	Expression of the regulated isoform of the electrogenic Na⁺/HCO₃^{â^'} cotransporter, NBCe1, is enriched in pacemaker interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2021, 320, G93-G107.	1.6	2
27	The influence of interstitial cells of Cajal loss and aging on slow wave conduction velocity in the human stomach. Physiological Reports, 2021, 8, e14659.	0.7	14
28	Genome-wide analysis of 53,400 people with irritable bowel syndrome highlights shared genetic pathways with mood and anxiety disorders. Nature Genetics, 2021, 53, 1543-1552.	9.4	96
29	Serine proteases as luminal mediators of intestinal barrier dysfunction and symptom severity in IBS. Gut, 2020, 69, 62-73.	6.1	57
30	Satiety testing in diabetic gastroparesis: Effects of insulin pump therapy with continuous glucose monitoring on upper gastrointestinal symptoms and gastric myoelectrical activity. Neurogastroenterology and Motility, 2020, 32, e13720.	1.6	12
31	A Structured Compensation Plan Results in Equitable Physician Compensation. Mayo Clinic Proceedings, 2020, 95, 35-43.	1.4	34
32	Longitudinal Multi-omics Reveals Subset-Specific Mechanisms Underlying Irritable Bowel Syndrome. Cell, 2020, 182, 1460-1473.e17.	13.5	217
33	Bacterially Derived Tryptamine Increases Mucus Release by Activating a Host Receptor in a Mouse Model of Inflammatory Bowel Disease. IScience, 2020, 23, 101798.	1.9	29
34	Gastric Biopsies in Gastroparesis. Gastroenterology Clinics of North America, 2020, 49, 557-570.	1.0	5
35	Introduction. Mayo Clinic Proceedings, 2020, 95, S1-S2.	1.4	3
36	Innovation Lessons From the COVID-19 Pandemic. Mayo Clinic Proceedings, 2020, 95, 1574-1577.	1.4	34

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37	microRNA overexpression in slow transit constipation leads to reduced Na_V1.5 current and altered smooth muscle contractility. Gut, 2020, 69, 868-876.	6.1	18
38	Epithelial Mechanosensitive Ion Channel Piezo2 Contributes to Pressureâ€Induced Epithelial Chloride Secretion in Mouse Colon. FASEB Journal, 2020, 34, 1-1.	0.2	0
39	Heme oxygenase-2 protects against ischemic acute kidney injury: influence of age and sex. American Journal of Physiology - Renal Physiology, 2019, 317, F695-F704.	1.3	9
40	SCN5A mutation G615E results in Na_V1.5 voltage-gated sodium channels with normal voltage-dependent function yet loss of mechanosensitivity. Channels, 2019, 13, 287-298.	1.5	14
41	A Method for Multi-day Tracking of Gastrointestinal Smooth Muscle Contractile Patterns in Organotypic Culture. , 2019, 2019, 4791-4794.		1
42	Proteomics in gastroparesis: unique and overlapping protein signatures in diabetic and idiopathic gastroparesis. American Journal of Physiology - Renal Physiology, 2019, 317, G716-G726.	1.6	25
43	Gastroparesis: a turning point in understanding and treatment. Gut, 2019, 68, 2238-2250.	6.1	144
44	Small intestinal microbial dysbiosis underlies symptoms associated with functional gastrointestinal disorders. Nature Communications, 2019, 10, 2012.	5.8	168
45	Enhanced and controlled chromatin extraction from FFPE tissues and the application to ChIP-seq. BMC Genomics, 2019, 20, 249.	1.2	16
46	Muscularis Propria Macrophages Alter the Proportion of Nitrergic but Not Cholinergic Gastric Myenteric Neurons. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 689-691.e4.	2.3	22
47	Opioid Use and Potency Are Associated With Clinical Features, Quality of Life, and Use of Resources in PatientsÂWith Gastroparesis. Clinical Gastroenterology and Hepatology, 2019, 17, 1285-1294.e1.	2.4	60
48	Direct repression of anoctamin 1 (ANO1) gene transcription by Gli proteins. FASEB Journal, 2019, 33, 6632-6642.	0.2	16
49	Feasibility of High-Resolution Electrical Mapping for Characterizing Conduction Blocks Created by Gastric Ablation. , 2019, 2019, 170-173.		9
50	A Pipeline for the Registration of Calcium Transient Data to Structural Networks of the Interstitial Cells of Cajal. , 2019, 2019, 2765-2768.		0
51	Delayed Gastric Emptying Associates With Diabetic Complications in Diabetic Patients With Symptoms of Gastroparesis. American Journal of Gastroenterology, 2019, 114, 1778-1794.	0.2	34
52	Ethnic, Racial, and Sex Differences in Etiology, Symptoms,ÂTreatment, and Symptom Outcomes of Patients With Gastroparesis. Clinical Gastroenterology and Hepatology, 2019, 17, 1489-1499.e8.	2.4	43
53	The Tâ€type Voltage Gated Calcium Channel Cav3.2 is Important for Enteroendocrine Cell Mechanotransduction. FASEB Journal, 2019, 33, 601.4.	0.2	1
54	The Na + /HCO 3 â^' Cotransporter (Nbce1, Slc4a4) is Enriched in Interstitial Cells of Cajal Responsible for Generating Electrical Slow Wave Activity in the Mouse Gastrointestinal Tract. FASEB Journal, 2019, 33, 544.8.	0.2	0

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55	NBCe1 in the Kidney and Lower Urogenital Tract. FASEB Journal, 2019, 33, 544.5.	0.2	0
56	Functional Bowel Disorders: A Roadmap to Guide the Next Generation of Research. Gastroenterology, 2018, 154, 723-735.	0.6	55
57	Change in Populations of Macrophages Promotes Development of Delayed Gastric Emptying in Mice. Gastroenterology, 2018, 154, 2122-2136.e12.	0.6	64
58	Intragastric Meal Distribution During Gastric Emptying Scintigraphy for Assessment of Fundic Accommodation: Correlation with Symptoms of Gastroparesis. Journal of Nuclear Medicine, 2018, 59, 691-697.	2.8	48
59	Extracellular Cl^{â^'} regulates electrical slow waves and setting of smooth muscle membrane potential by interstitial cells of Cajal in mouse jejunum. Experimental Physiology, 2018, 103, 40-57.	0.9	5
60	Irritable bowel syndrome patients haveSCN5Achannelopathies that lead to decreased Na_V1.5 current and mechanosensitivity. American Journal of Physiology - Renal Physiology, 2018, 314, G494-G503.	1.6	40
61	Aprepitant Has Mixed Effects on Nausea and Reduces Other Symptoms in Patients With Gastroparesis and Related Disorders. Gastroenterology, 2018, 154, 65-76.e11.	0.6	117
62	Endoscopic muscle biopsy sampling of the duodenum and rectum: a pilot survival study in a porcine model to detect myenteric neurons. Gastrointestinal Endoscopy, 2018, 87, 600-606.	0.5	7
63	Whole Cell Electrophysiology of Primary Cultured Murine Enterochromaffin Cells. Journal of Visualized Experiments, 2018, , .	0.2	4
64	Clostridioides difficile uses amino acids associated with gut microbial dysbiosis in a subset of patients with diarrhea. Science Translational Medicine, 2018, 10, .	5.8	128
65	Glucose sensor-augmented continuous subcutaneous insulin infusion in patients with diabetic gastroparesis: An open-label pilot prospective study. PLoS ONE, 2018, 13, e0194759.	1.1	33
66	Sex differences in NSAIDâ€induced perturbation of human intestinal barrier function and microbiota. FASEB Journal, 2018, 32, 6615-6625.	0.2	39
67	A population of gut epithelial enterochromaffin cells is mechanosensitive and requires Piezo2 to convert force into serotonin release. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7632-E7641.	3.3	174
68	Transcriptomic signatures reveal immune dysregulation in human diabetic and idiopathic gastroparesis. BMC Medical Genomics, 2018, 11, 62.	0.7	38
69	The touchy business of gastrointestinal (GI) mechanosensitivity. Brain Research, 2018, 1693, 197-200.	1.1	16
70	Gut Microbiota-Produced Tryptamine Activates an Epithelial G-Protein-Coupled Receptor to Increase Colonic Secretion. Cell Host and Microbe, 2018, 23, 775-785.e5.	5.1	268
71	Piezo2 Mechanosensitive Ion Channel Role in Primary Enterochromaffin (EC) Cell Mechanosensitivity. FASEB Journal, 2018, 32, 868.3.	0.2	0
72	Prevalence, Risk Factors, and Outcomes of Irritable Bowel Syndrome After Infectious Enteritis: A Systematic Review and Meta-analysis. Gastroenterology, 2017, 152, 1042-1054.e1.	0.6	307

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73	Mechanosensitive ion channel Piezo2 is inhibited by D-GsMTx4. Channels, 2017, 11, 245-253.	1.5	55
74	TRPM8polymorphisms associated with increased risk of IBS-C and IBS-M. Gut, 2017, 66, 1725-1727.	6.1	36
75	Hyperglycemia Increases Interstitial Cells of Cajal via MAPK1 and MAPK3 Signaling to ETV1 and KIT, Leading to Rapid Gastric Emptying. Gastroenterology, 2017, 153, 521-535.e20.	0.6	59
76	Human-derived gut microbiota modulates colonic secretion in mice by regulating 5-HT₃ receptor expression via acetate production. American Journal of Physiology - Renal Physiology, 2017, 313, G80-G87.	1.6	67
77	Constipation-Predominant Irritable Bowel Syndrome Females Have Normal Colonic Barrier and Secretory Function. American Journal of Gastroenterology, 2017, 112, 913-923.	0.2	33
78	Conditional genetic deletion of Ano1 in interstitial cells of Cajal impairs Ca²⁺ transients and slow waves in adult mouse small intestine. American Journal of Physiology - Renal Physiology, 2017, 312, G228-G245.	1.6	72
79	EAVK segment â€œcâ€•sequence confers Ca²⁺-dependent changes to the kinetics of full-length human Ano1. American Journal of Physiology - Renal Physiology, 2017, 312, G572-G579.	1.6	6
80	Mutual reinforcement of pathophysiological hostâ€•microbe interactions in intestinal stasis models. Physiological Reports, 2017, 5, e13182.	0.7	55
81	Sodium channel NaV1.3 is important for enterochromaffin cell excitability and serotonin release. Scientific Reports, 2017, 7, 15650.	1.6	28
82	Mechanosensitive ion channel Piezo2 is important for enterochromaffin cell response to mechanical forces. Journal of Physiology, 2017, 595, 79-91.	1.3	121
83	Purification of nanogram-range immunoprecipitated DNA in ChIP-seq application. BMC Genomics, 2017, 18, 985.	1.2	34
84	Experience with precision genomics and tumor board, indicates frequent target identification, but barriers to delivery. Oncotarget, 2017, 8, 27145-27154.	0.8	55
85	Repeat polymorphisms in the Homo sapiens heme oxygenase-1 gene in diabetic and idiopathic gastroparesis. PLoS ONE, 2017, 12, e0187772.	1.1	17
86	Anti-Hu antibodies activate enteric and sensory neurons. Scientific Reports, 2016, 6, 38216.	1.6	31
87	Intrinsic Gastrointestinal Macrophages: Their Phenotype and Role in Gastrointestinal Motility. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 120-130.e1.	2.3	57
88	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. Genome Medicine, 2016, 8, 103.	3.6	20
89	Ion channelopathies in functional GI disorders. American Journal of Physiology - Renal Physiology, 2016, 311, G581-G586.	1.6	40
90	Interleukin 10 Restores Gastric Emptying, Electrical Activity, andÂInterstitial Cells of Cajal Networks in Diabetic Mice. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 454-467.	2.3	23

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91	Innovative gastric endoscopic muscle biopsy to identify all cell types, including myenteric neurons and interstitial cells of Cajal inÂpatients with idiopathic gastroparesis: a feasibility study (withÂvideo). Gastrointestinal Endoscopy, 2016, 84, 512-517.	0.5	31
92	Diabetic Csf1op/op Mice Lacking Macrophages Are Protected Against the Development of Delayed Gastric Emptying. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 40-47.	2.3	38
93	Endoscopy of the â€œbrainâ€: the next frontier in gastroenterology. Gastrointestinal Endoscopy, 2016, 83, 334-336.	0.5	3
94	Outcome of Whole Exome Sequencing for Diagnostic Odyssey Cases of an Individualized Medicine Clinic. Mayo Clinic Proceedings, 2016, 91, 297-307.	1.4	83
95	Outcomes of Ultrasound-Guided Trigger Point Injection for Abdominal Wall Pain. Digestive Diseases and Sciences, 2016, 61, 572-577.	1.1	20
96	A novel exon in the human Ca²⁺-activated Cl^{â^'} channel Ano1 imparts greater sensitivity to intracellular Ca²⁺. American Journal of Physiology - Renal Physiology, 2015, 309, G743-G749.	1.6	13
97	How well do whole exome sequencing results correlate with medical findings? A study of 89 Mayo Clinic Biobank samples. Frontiers in Genetics, 2015, 6, 244.	1.1	9
98	Ranolazine inhibits voltage-gated mechanosensitive sodium channels in human colon circular smooth muscle cells. American Journal of Physiology - Renal Physiology, 2015, 309, G506-G512.	1.6	26
99	Gut microbes promote colonic serotonin production through an effect of shortâ€chain fatty acids on enterochromaffin cells. FASEB Journal, 2015, 29, 1395-1403.	0.2	876
100	Histologic Changes in Diabetic Gastroparesis. Gastroenterology Clinics of North America, 2015, 44, 31-38.	1.0	45
101	Induction and functional significance of the heme oxygenase system in pathological shear stress in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1402-H1413.	1.5	19
102	Loss of Interstitial Cells of Cajal and Patterns of Gastric Dysrhythmia in Patients With Chronic Unexplained Nausea and Vomiting. Gastroenterology, 2015, 149, 56-66.e5.	0.6	192
103	Outcomes and Factors Associated With Reduced Symptoms in Patients With Gastroparesis. Gastroenterology, 2015, 149, 1762-1774.e4.	0.6	110
104	Whole-Exome Sequencing of 10 Scientists: Evaluation of the Process and Outcomes. Mayo Clinic Proceedings, 2015, 90, 1327-1337.	1.4	10
105	Platelet-Derived Growth Factor Receptor-Î± Regulates Proliferation of Gastrointestinal Stromal Tumor Cells With Mutations in KIT by Stabilizing ETV1. Gastroenterology, 2015, 149, 420-432.e16.	0.6	68
106	A gamma variate model that includes stretched exponential is a better fit for gastric emptying data from mice. American Journal of Physiology - Renal Physiology, 2015, 309, G162-G170.	1.6	5
107	Identification and characterization of a novel promoter for the human ANO1 gene regulated by the transcription factor signal transducer and activator of transcription 6 (STAT6). FASEB Journal, 2015, 29, 152-163.	0.2	37
108	Carbon Monoxide, Hydrogen Sulfide, and Nitric Oxide as Signaling Molecules in the Gastrointestinal Tract. Gastroenterology, 2014, 147, 303-313.	0.6	143

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109	Preemptive Genotyping for Personalized Medicine: Design of the Right Drug, Right Dose, Right Timeâ€"Using Genomic Data to Individualize Treatment Protocol. Mayo Clinic Proceedings, 2014, 89, 25-33.	1.4	250
110	Loss-of-Function of the Voltage-Gated Sodium Channel NaV1.5 (Channelopathies) in Patients With Irritable Bowel Syndrome. Gastroenterology, 2014, 146, 1659-1668.	0.6	120
111	Non-canonical translation start sites in the TMEM16A chloride channel. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 89-97.	1.4	24
112	Ano1, a Ca²⁺â€activated Cl^{â^'} channel, coordinates contractility in mouse intestine by Ca²⁺ transient coordination between interstitial cells of Cajal. Journal of Physiology, 2014, 592, 4051-4068.	1.3	84
113	Strand-Specific Analysis Shows Protein Binding at Replication Forks and PCNA Unloading from Lagging Strands when Forks Stall. Molecular Cell, 2014, 56, 551-563.	4.5	153
114	Computational modeling of anoctamin 1 calcium-activated chloride channels as pacemaker channels in interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2014, 306, G711-G727.	1.6	39
115	Genomic Medicine and Incidental Findings: Balancing Actionability and Patient Autonomy. Mayo Clinic Proceedings, 2014, 89, 718-721.	1.4	15
116	Complex Interactions Among Diet, Gastrointestinal Transit, and Gut Microbiota in Humanized Mice. Gastroenterology, 2013, 144, 967-977.	0.6	387
117	Role of Ion Channel Mechanosensitivity in the Gut: Mechano-Electrical Feedback Exemplified By Stretch-Dependence of Nav1.5. Lecture Notes in Computational Vision and Biomechanics, 2013, , 7-27.	0.5	4
118	ICC Network Density: Regulation and Consequences. Lecture Notes in Computational Vision and Biomechanics, 2013, , 29-49.	0.5	1
119	Effect of Nortriptyline on Symptoms of Idiopathic Gastroparesis. JAMA - Journal of the American Medical Association, 2013, 310, 2640.	3.8	149
120	Age sensitizes the kidney to heme protein-induced acute kidney injury. American Journal of Physiology - Renal Physiology, 2013, 304, F317-F325.	1.3	38
121	Numerical metrics for automated quantification of interstitial cell of Cajal network structural properties. Journal of the Royal Society Interface, 2013, 10, 20130421.	1.5	21
122	Functioning of an arteriovenous fistula requires heme oxygenase-2. American Journal of Physiology - Renal Physiology, 2013, 305, F545-F552.	1.3	19
123	Hydrogen Sulfide Selectively Potentiates Central Preganglionic Fast Nicotinic Synaptic Input in Mouse Superior Mesenteric Ganglion. Journal of Neuroscience, 2013, 33, 12638-12646.	1.7	14
124	Assessment of Gastric Emptying in Non-obese Diabetic Mice Using a [¹³C]-octanoic Acid Breath Test. Journal of Visualized Experiments, 2013, , e50301.	0.2	11
125	Ranolazine inhibits shear sensitivity of endogenous Na⁺current and spontaneous action potentials in HL-1 cells. Channels, 2012, 6, 457-462.	1.5	21
126	Membrane permeable local anesthetics modulate NaV1.5 mechanosensitivity. Channels, 2012, 6, 308-316.	1.5	20

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127	Ultrastructural differences between diabetic and idiopathic gastroparesis. Journal of Cellular and Molecular Medicine, 2012, 16, 1573-1581.	1.6	104
128	Targeting ion channels for the treatment of gastrointestinal motility disorders. Therapeutic Advances in Gastroenterology, 2012, 5, 5-21.	1.4	64
129	Abnormal Initiation and Conduction of Slow-Wave Activity in Gastroparesis, Defined by High-Resolution Electrical Mapping. Gastroenterology, 2012, 143, 589-598.e3.	0.6	278
130	Inhibition of cell proliferation by a selective inhibitor of the Ca2+-activated Clâ˜ channel, Ano1. Biochemical and Biophysical Research Communications, 2012, 427, 248-253.	1.0	78
131	Ranolazine Decreases Mechanosensitivity of the Voltage-Gated Sodium Ion Channel Na _V 1.5. Circulation, 2012, 125, 2698-2706.	1.6	70
132	Similarities and Differences Between Diabetic and Idiopathic Gastroparesis. Clinical Gastroenterology and Hepatology, 2011, 9, 1056-1064.	2.4	174
133	Characteristics of Patients With Chronic Unexplained Nausea and Vomiting and Normal Gastric Emptying. Clinical Gastroenterology and Hepatology, 2011, 9, 567-576.e4.	2.4	212
134	Clinical Features of Idiopathic Gastroparesis Vary With Sex, Body Mass, Symptom Onset, Delay in Gastric Emptying, and Gastroparesis Severity. Gastroenterology, 2011, 140, 101-115.e10.	0.6	281
135	Cellular Changes in Diabetic and Idiopathic Gastroparesis. Gastroenterology, 2011, 140, 1575-1585.e8.	0.6	368
136	Dietary Intake and Nutritional Deficiencies in Patients With Diabetic or Idiopathic Gastroparesis. Gastroenterology, 2011, 141, 486-498.e7.	0.6	148
137	Gastrointestinal neuromuscular pathology in chronic constipation. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2011, 25, 43-57.	1.0	72
138	Hydrogen sulfide is a partially redox-independent activator of the human jejunum Na⁺ channel, Na_v1.5. American Journal of Physiology - Renal Physiology, 2011, 300, G1105-G1114.	1.6	29
139	Altered Expression of Ano1 Variants in Human Diabetic Gastroparesis. Journal of Biological Chemistry, 2011, 286, 13393-13403.	1.6	95
140	Ano1 as a regulator of proliferation. American Journal of Physiology - Renal Physiology, 2011, 301, G1044-G1051.	1.6	78
141	Bloating in Gastroparesis: Severity, Impact, and Associated Factors. American Journal of Gastroenterology, 2011, 106, 1492-1502.	0.2	52
142	Ano1 as a regulator of proliferation. FASEB Journal, 2011, 25, lb115.	0.2	0
143	Inhaled carbon monoxide attenuates myocardial inflammatory cytokine expression in a rat model of cardiopulmonary bypass. Journal of Extra-Corporeal Technology, 2011, 43, 137-43.	0.2	4
144	Mechanosensitivity of Na_v1.5, a voltage-sensitive sodium channel. Journal of Physiology, 2010, 588, 4969-4985.	1.3	155

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145	T-type Ca²⁺channel modulation by otilonium bromide. American Journal of Physiology - Renal Physiology, 2010, 298, G706-G713.	1.6	21
146	Diabetic gastroparesis: what we have learned and had to unlearn in the past 5â€...years: Figure 1. Gut, 2010, 59, 1716-1726.	6.1	160
147	The London Classification of gastrointestinal neuromuscular pathology: report on behalf of the Gastro 2009 International Working Group. Gut, 2010, 59, 882-887.	6.1	247
148	Psychological Dysfunction Is Associated With Symptom Severity but Not Disease Etiology or Degree of Gastric Retention in Patients With Gastroparesis. American Journal of Gastroenterology, 2010, 105, 2357-2367.	0.2	103
149	Carbon monoxide reverses diabetic gastroparesis in NOD mice. American Journal of Physiology - Renal Physiology, 2010, 298, G1013-G1019.	1.6	54
150	Endogenous Production of H₂S in the Gastrointestinal Tract: Still in Search of a Physiologic Function. Antioxidants and Redox Signaling, 2010, 12, 1135-1146.	2.5	94
151	CD206-Positive M2 Macrophages That Express Heme Oxygenase-1 Protect Against Diabetic Gastroparesis in Mice. Gastroenterology, 2010, 138, 2399-2409.e1.	0.6	189
152	Kitlow Stem Cells Cause Resistance to Kit/Platelet-Derived Growth Factor Î± Inhibitors in Murine Gastrointestinal Stromal Tumors. Gastroenterology, 2010, 139, 942-952.	0.6	112
153	Protein Kinase CÎ³ Mediates Regulation of Proliferation by the Serotonin 5-Hydroxytryptamine Receptor 2B. Journal of Biological Chemistry, 2009, 284, 21177-21184.	1.6	23
154	Ano1 is a selective marker of interstitial cells of Cajal in the human and mouse gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2009, 296, G1370-G1381.	1.6	320
155	Sodium channel mutation in irritable bowel syndrome: evidence for an ion channelopathy. American Journal of Physiology - Renal Physiology, 2009, 296, G211-G218.	1.6	112
156	Lysophosphatidyl choline modulates mechanosensitive L-type Ca²⁺ current in circular smooth muscle cells from human jejunum. American Journal of Physiology - Renal Physiology, 2009, 296, G833-G839.	1.6	31
157	The Î±_{1H} Ca²⁺ channel subunit is expressed in mouse jejunal interstitial cells of Cajal and myocytes. Journal of Cellular and Molecular Medicine, 2009, 13, 4422-4431.	1.6	33
158	Gastrointestinal neuromuscular pathology: guidelines for histological techniques and reporting on behalf of the Gastro 2009 International Working Group. Acta Neuropathologica, 2009, 118, 271-301.	3.9	196
159	Diagnostic challenges of motility disorders: optimal detection of CD117+ interstitial cells of Cajal. Histopathology, 2009, 54, 286-294.	1.6	31
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161	Changes in the gastric enteric nervous system and muscle: A case report on two patients with diabetic gastroparesis. BMC Gastroenterology, 2008, 8, 21.	0.8	74
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