

# Gregory O'Grady

## List of Publications by Year in descending order

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177  
papers

5,545  
citations

81743

39  
h-index

114278

63  
g-index

188  
all docs

188  
docs citations

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times ranked

2991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal Initiation and Conduction of Slow-Wave Activity in Gastroparesis, Defined by High-Resolution Electrical Mapping. <i>Gastroenterology</i> , 2012, 143, 589-598.e3.	0.6	278
2	Origin and propagation of human gastric slow-wave activity defined by high-resolution mapping. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G585-G592.	1.6	233
3	Loss of Interstitial Cells of Cajal and Patterns of Gastric Dysrhythmia in Patients With Chronic Unexplained Nausea and Vomiting. <i>Gastroenterology</i> , 2015, 149, 56-66.e5.	0.6	192
4	Quantification of <i>in vivo</i> colonic motor patterns in healthy humans before and after a meal revealed by high-resolution fiber-optic manometry. <i>Neurogastroenterology and Motility</i> , 2014, 26, 1443-1457.	1.6	171
5	A systematic review of methods to palliate malignant gastric outlet obstruction. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2010, 24, 290-297.	1.3	157
6	High-resolution Mapping of In Vivo Gastrointestinal Slow Wave Activity Using Flexible Printed Circuit Board Electrodes: Methodology and Validation. <i>Annals of Biomedical Engineering</i> , 2009, 37, 839-846.	1.3	149
7	Defining low anterior resection syndrome: a systematic review of the literature. <i>Colorectal Disease</i> , 2017, 19, 713-722.	0.7	139
8	High-Frequency Gastric Electrical Stimulation for the Treatment of Gastroparesis: A Meta-Analysis. <i>World Journal of Surgery</i> , 2009, 33, 1693-1701.	0.8	118
9	Postoperative ileus: mechanisms and future directions for research. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 358-370.	0.9	113
10	Origin, propagation and regional characteristics of porcine gastric slow wave activity determined by high-resolution mapping. <i>Neurogastroenterology and Motility</i> , 2010, 22, e292-e300.	1.6	101
11	Gastrointestinal system. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 65-79.	6.6	99
12	The gastrointestinal electrical mapping suite (GEMS): software for analyzing and visualizing high-resolution (multi-electrode) recordings in spatiotemporal detail. <i>BMC Gastroenterology</i> , 2012, 12, 60.	0.8	89
13	Recent progress in gastric arrhythmia: Pathophysiology, clinical significance and future horizons. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 854-862.	0.9	88
14	Acute colonic pseudo-obstruction: A systematic review of aetiology and mechanisms. <i>World Journal of Gastroenterology</i> , 2017, 23, 5634.	1.4	85
15	High-resolution anatomic correlation of cyclic motor patterns in the human colon: Evidence of a rectosigmoid brake. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G508-G515.	1.6	82
16	The bioelectrical basis and validity of gastrointestinal extracellular slow wave recordings. <i>Journal of Physiology</i> , 2013, 591, 4567-4579.	1.3	74
17	High-resolution spatial analysis of slow wave initiation and conduction in porcine gastric dysrhythmia. <i>Neurogastroenterology and Motility</i> , 2011, 23, e345-55.	1.6	72
18	Rapid high-amplitude circumferential slow wave propagation during normal gastric pacemaking and dysrhythmias. <i>Neurogastroenterology and Motility</i> , 2012, 24, e299-312.	1.6	72

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19	Functional physiology of the human terminal antrum defined by high-resolution electrical mapping and computational modeling. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G895-G902.	1.6	71
20	Falling-Edge, Variable Threshold (FEVT) Method for the Automated Detection of Gastric Slow Wave Events in High-Resolution Serosal Electrode Recordings. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1511-1529.	1.3	68
21	Comparison of filtering methods for extracellular gastric slow wave recordings. <i>Neurogastroenterology and Motility</i> , 2013, 25, 79-83.	1.6	66
22	Body surface mapping of the stomach: New directions for clinically evaluating gastric electrical activity. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14048.	1.6	66
23	A Multiscale Model of the Electrophysiological Basis of the Human Electrogastrogram. <i>Biophysical Journal</i> , 2010, 99, 2784-2792.	0.2	63
24	Prospective validation of classification of intraoperative adverse events (ClassIntra): international, multicentre cohort study. <i>BMJ, The</i> , 2020, 370, m2917.	3.0	62
25	High-resolution entrainment mapping of gastric pacing: a new analytical tool. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G314-G321.	1.6	61
26	Functional outcomes from a randomized trial of early closure of temporary ileostomy after rectal excision for cancer. <i>British Journal of Surgery</i> , 2019, 106, 645-652.	0.1	61
27	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
28	Prolonged Postoperative Ileus Significantly Increases the Cost of Inpatient Stay for Patients Undergoing Elective Colorectal Surgery: Results of a Multivariate Analysis of Prospective Data at a Single Institution. <i>Diseases of the Colon and Rectum</i> , 2019, 62, 631-637.	0.7	53
29	Mapping and Modeling Gastrointestinal Bioelectricity: From Engineering Bench to Bedside. <i>Physiology</i> , 2013, 28, 310-317.	1.6	52
30	Methods for High-Resolution Electrical Mapping in the Gastrointestinal Tract. <i>IEEE Reviews in Biomedical Engineering</i> , 2019, 12, 287-302.	13.1	51
31	Gastric Arrhythmias in Gastroparesis. <i>Gastroenterology Clinics of North America</i> , 2015, 44, 169-184.	1.0	49
32	Biophysically Based Modeling of the Interstitial Cells of Cajal: Current Status and Future Perspectives. <i>Frontiers in Physiology</i> , 2011, 2, 29.	1.3	47
33	Circumferential and functional re-entrancy of <i>in vivo</i> slow-wave activity in the porcine small intestine. <i>Neurogastroenterology and Motility</i> , 2013, 25, e304-14.	1.6	47
34	Automated Gastric Slow Wave Cycle Partitioning and Visualization for High-resolution Activation Time Maps. <i>Annals of Biomedical Engineering</i> , 2011, 39, 469-483.	1.3	46
35	An Improved Method for the Estimation and Visualization of Velocity Fields from Gastric High-Resolution Electrical Mapping. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 882-889.	2.5	45
36	The œrectosigmoid brakeœ Review of an emerging neuromodulation target for colorectal functional disorders. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 719-728.	0.9	45

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37	Patterns of Abnormal Gastric Pacemaking After Sleeve Gastrectomy Defined by Laparoscopic High-Resolution Electrical Mapping. <i>Obesity Surgery</i> , 2017, 27, 1929-1937.	1.1	45
38	Toward the virtual stomach: progress in multiscale modeling of gastric electrophysiology and motility. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013, 5, 481-493.	6.6	44
39	A Theoretical Analysis of Electrogastrography (EGG) Signatures Associated With Gastric Dysrhythmias. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1592-1601.	2.5	43
40	A novel laparoscopic device for measuring gastrointestinal slow-wave activity. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2009, 23, 2842-2848.	1.3	42
41	Impact of temporary ileostomy on long-term quality of life and bowel function: a systematic review and meta-analysis. <i>ANZ Journal of Surgery</i> , 2020, 90, 687-692.	0.3	41
42	Hyperactive cyclic motor activity in the distal colon after colonic surgery as defined by high-resolution colonic manometry. <i>British Journal of Surgery</i> , 2018, 105, 907-917.	0.1	40
43	A Novel Gastric Pacing Device to Modulate Slow Waves and Assessment by High-Resolution Mapping. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2823-2830.	2.5	39
44	The gastric conduction system in health and disease: a translational review. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G527-G542.	1.6	38
45	Experimental and Automated Analysis Techniques for High-resolution Electrical Mapping of Small Intestine Slow Wave Activity. <i>Journal of Neurogastroenterology and Motility</i> , 2013, 19, 179-191.	0.8	37
46	High-resolution electrical mapping of porcine gastric slow-wave propagation from the mucosal surface. <i>Neurogastroenterology and Motility</i> , 2017, 29, e13010.	1.6	37
47	Lymphatic Drainage of the Splenic Flexure Defined by Intraoperative Scintigraphic Mapping. <i>Diseases of the Colon and Rectum</i> , 2018, 61, 441-446.	0.7	37
48	Improved signal processing techniques for the analysis of high resolution serosal slow wave activity in the stomach. , 2011, 2011, 1737-40.		36
49	Multiscale Modeling of Gastrointestinal Electrophysiology and Experimental Validation. <i>Critical Reviews in Biomedical Engineering</i> , 2010, 38, 225-254.	0.5	35
50	A Miniature Configurable Wireless System for Recording Gastric Electrophysiological Activity and Delivering High-Energy Electrical Stimulation. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2018, 8, 221-229.	2.7	34
51	The impact of surgical excisions on human gastric slow wave conduction, defined by high-resolution electrical mapping and <i>in silico</i> modeling. <i>Neurogastroenterology and Motility</i> , 2015, 27, 1409-1422.	1.6	32
52	Multi-channel wireless mapping of gastrointestinal serosal slow wave propagation. <i>Neurogastroenterology and Motility</i> , 2015, 27, 580-585.	1.6	32
53	Quantification of gastric emptying caused by impaired coordination of pyloric closure with antral contraction: a simulation study. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190266.	1.5	32
54	Abnormalities on Electrogastrography in Nausea and Vomiting Syndromes: A Systematic Review, Meta-Analysis, and Comparison to Other Gastric Disorders. <i>Digestive Diseases and Sciences</i> , 2022, 67, 773-785.	1.1	31

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55	Gastrointestinal extracellular electrical recordings: fact or artifact?. <i>Neurogastroenterology and Motility</i> , 2012, 24, 1-6.	1.6	30
56	Intraoperative high-resolution mapping of slow wave propagation in the human jejunum: Feasibility and initial results. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13310.	1.6	30
57	Progress in Mathematical Modeling of Gastrointestinal Slow Wave Abnormalities. <i>Frontiers in Physiology</i> , 2018, 8, 1136.	1.3	30
58	Acute Slow Wave Responses to High-Frequency Gastric Electrical Stimulation in Patients With Gastroparesis Defined by High-Resolution Mapping. <i>Neuromodulation</i> , 2016, 19, 864-871.	0.4	29
59	A miniature bidirectional telemetry system for <i>in vivo</i> gastric slow wave recordings. <i>Physiological Measurement</i> , 2012, 33, N29-N37.	1.2	28
60	Systematic review of peri-operative prognostic biomarkers in pancreatic ductal adenocarcinoma. <i>Hpb</i> , 2016, 18, 652-663.	0.1	28
61	The virtual intestine: <i>in silico</i> modeling of small intestinal electrophysiology and motility and the applications. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016, 8, 69-85.	6.6	26
62	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
63	Standardized system and App for continuous patient symptom logging in gastroduodenal disorders: Design, implementation, and validation. <i>Neurogastroenterology and Motility</i> , 2022, 34, e14331.	1.6	26
64	Restoration of normal colonic motor patterns and meal responses after distal colorectal resection. <i>British Journal of Surgery</i> , 2016, 103, 451-461.	0.1	25
65	Effect of Nasogastric Tube Feeding vs Nil per Os on Dysmotility in Acute Pancreatitis. <i>Nutrition in Clinical Practice</i> , 2016, 31, 99-104.	1.1	25
66	Altered colonic motility is associated with low anterior resection syndrome. <i>Colorectal Disease</i> , 2021, 23, 415-423.	0.7	25
67	Anatomical registration and three-dimensional visualization of low and high-resolution pan-colonic manometry recordings. <i>Neurogastroenterology and Motility</i> , 2011, 23, 387-e171.	1.6	24
68	Impact of gastric resection and enteric anastomotic configuration on delayed gastric emptying after pancreaticoduodenectomy: a network meta-analysis of randomized trials. <i>BJS Open</i> , 2021, 5, .	0.7	24
69	A novel scalable electrode array and system for non-invasively assessing gastric function using flexible electronics. <i>Neurogastroenterology and Motility</i> , 2023, 35, .	1.6	24
70	Variants in <i>ACTG2</i> underlie a substantial number of Australasian patients with primary chronic intestinal pseudo-obstruction. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13371.	1.6	23
71	Electrocolonography: Non-Invasive Detection of Colonic Cyclic Motor Activity From Multielectrode Body Surface Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1628-1637.	2.5	23
72	Risk factors for readmission with dehydration after ileostomy formation: A systematic review and meta-analysis. <i>Colorectal Disease</i> , 2021, 23, 1071-1082.	0.7	23

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73	Gastric dysrhythmia in gastroesophageal reflux disease: a systematic review and meta-analysis. <i>Esophagus</i> , 2021, 18, 425-435.	1.0	23
74	Clinical associations of functional dyspepsia with gastric dysrhythmia on electrogastrography: A comprehensive systematic review and meta-analysis. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14151.	1.6	23
75	The effect of luminal content and rate of occlusion on the interpretation of colonic manometry. <i>Neurogastroenterology and Motility</i> , 2013, 25, e52-9.	1.6	22
76	Prospective comparison of return of bowel function after left versus right colectomy. <i>ANZ Journal of Surgery</i> , 2018, 88, E242-E247.	0.3	21
77	An automated artifact detection and rejection system for body surface gastric mapping. <i>Neurogastroenterology and Motility</i> , 2022, 34, .	1.6	21
78	High-resolution mapping of gastric slow-wave recovery profiles: biophysical model, methodology, and demonstration of applications. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G265-G276.	1.6	20
79	Placebo Response Rates in Electrical Nerve Stimulation Trials for Fecal Incontinence and Constipation: A Systematic Review and Meta-Analysis. <i>Neuromodulation</i> , 2020, 23, 1108-1116.	0.4	20
80	A comparison of gold versus silver electrode contacts for high-resolution gastric electrical mapping using flexible printed circuit board arrays. <i>Physiological Measurement</i> , 2011, 32, N13-N22.	1.2	19
81	A theoretical study of the initiation, maintenance and termination of gastric slow wave re-entry. <i>Mathematical Medicine and Biology</i> , 2015, 32, dqu023.	0.8	19
82	Association Between Circular Stapler Diameter and Stricture Rates Following Gastrointestinal Anastomosis: Systematic Review and Meta-analysis. <i>World Journal of Surgery</i> , 2018, 42, 3097-3105.	0.8	19
83	Nonsteroidal anti-inflammatory drugs reduce the time to recovery of gut function after elective colorectal surgery: a systematic review and meta-analysis. <i>Colorectal Disease</i> , 2018, 20, O190-O198.	0.7	19
84	Novel chyme reinfusion device for gastrointestinal fistulas and stomas: feasibility study. <i>British Journal of Surgery</i> , 2020, 107, 1199-1210.	0.1	19
85	Working hours and roster structures of surgical trainees in Australia and New Zealand. <i>ANZ Journal of Surgery</i> , 2010, 80, 890-895.	0.3	18
86	Chyme Reinfusion for Small Bowel Double Enterostomies and Enteroatmospheric Fistulas in Adult Patients: A Systematic Review. <i>Nutrition in Clinical Practice</i> , 2020, 35, 254-264.	1.1	18
87	Comparison of bowel dysfunction between colorectal cancer survivors and a non-operative non-cancer control group. <i>Colorectal Disease</i> , 2020, 22, 806-813.	0.7	18
88	Pharmacologic targeting of renal ischemia-reperfusion injury using a normothermic machine perfusion platform. <i>Scientific Reports</i> , 2020, 10, 6930.	1.6	18
89	Appropriate working hours for surgical training according to Australasian trainees. <i>ANZ Journal of Surgery</i> , 2012, 82, 225-229.	0.3	17
90	Relationships between gastric slow wave frequency, velocity, and extracellular amplitude studied by a joint experimental-theoretical approach. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13152.	1.6	17

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91	Establishing core outcome sets for gastrointestinal recovery in studies of postoperative ileus and small bowel obstruction: protocol for a nested methodological study. <i>Colorectal Disease</i> , 2020, 22, 459-464.	0.7	17
92	Non-invasive neuromodulation for bowel, bladder and sexual restoration following spinal cord injury: A systematic review. <i>Clinical Neurology and Neurosurgery</i> , 2020, 194, 105822.	0.6	17
93	Electrogastrography Abnormalities in Pediatric Gastroduodenal Disorders. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021, 73, 9-16.	0.9	17
94	Wearable devices to monitor recovery after abdominal surgery: scoping review. <i>BJS Open</i> , 2022, 6, .	0.7	17
95	The Principles and Practice of Gastrointestinal High-Resolution Electrical Mapping. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013, , 51-69.	0.5	16
96	Automated Classification and Identification of Slow Wave Propagation Patterns in Gastric Dysrhythmia. <i>Annals of Biomedical Engineering</i> , 2014, 42, 177-192.	1.3	16
97	A theoretical analysis of anatomical and functional intestinal slow wave re-entry. <i>Journal of Theoretical Biology</i> , 2017, 425, 72-79.	0.8	16
98	Torso-Tank Validation of High-Resolution Electrogastrography (EGG): Forward Modelling, Methodology and Results. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1183-1193.	1.3	16
99	High-resolution optical mapping of gastric slow wave propagation. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13449.	1.6	16
100	Multi-day, multi-sensor ambulatory monitoring of gastric electrical activity. <i>Physiological Measurement</i> , 2019, 40, 025011.	1.2	16
101	Network meta-analysis of local and regional analgesia following colorectal resection. <i>British Journal of Surgery</i> , 2020, 107, e109-e122.	0.1	16
102	The analysis of human gastric pacemaker activity. <i>Journal of Physiology</i> , 2012, 590, 1299-1300.	1.3	15
103	A Biophysically Based Finite-State Machine Model for Analyzing Gastric Experimental Entrainment and Pacing Recordings. <i>Annals of Biomedical Engineering</i> , 2014, 42, 858-870.	1.3	15
104	Simultaneous anterior and posterior serosal mapping of gastric slow-wave dysrhythmias induced by vasopressin. <i>Experimental Physiology</i> , 2016, 101, 1206-1217.	0.9	15
105	A novel retractable laparoscopic device for mapping gastrointestinal slow wave propagation patterns. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 477-486.	1.3	15
106	Gastric ablation as a novel technique for modulating electrical conduction in the in vivo stomach. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G573-G585.	1.6	15
107	Automated Algorithm for GI Spike Burst Detection and Demonstration of Efficacy in Ischemic Small Intestine. <i>Annals of Biomedical Engineering</i> , 2013, 41, 2215-2228.	1.3	14
108	Patient Selection for Oesophagectomy: Impact of Age and Comorbidities on Outcome. <i>World Journal of Surgery</i> , 2015, 39, 1994-1999.	0.8	14

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109	The impact of fellowships on surgical resident training in a multispecialty cohort in Australia and New Zealand. <i>Surgery</i> , 2015, 158, 1468-1474.	1.0	14
110	Time-Delay Mapping of High-Resolution Gastric Slow-Wave Activity. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 166-172.	2.5	14
111	The influence of interstitial cells of Cajal loss and aging on slow wave conduction velocity in the human stomach. <i>Physiological Reports</i> , 2021, 8, e14659.	0.7	14
112	Supply and demand mismatch for flexible (part-time) surgical training in Australasia. <i>Medical Journal of Australia</i> , 2013, 198, 423-425.	0.8	13
113	A System and Method for Online High-Resolution Mapping of Gastric Slow-Wave Activity. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2679-2687.	2.5	13
114	Design and Validation of a Surface-Contact Electrode for Gastric Pacing and Concurrent Slow-Wave Mapping. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2574-2581.	2.5	13
115	Challenges in defining, diagnosing, and treating diabetic gastroparesis. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 127-128.	1.2	12
116	Colonic Electromechanical Abnormalities Underlying Post-operative Ileus: A Systematic and Critical Review. <i>Journal of Neurogastroenterology and Motility</i> , 2019, 25, 36-47.	0.8	12
117	Post-operative ileus: definitions, mechanisms and controversies. <i>ANZ Journal of Surgery</i> , 2022, 92, 62-68.	0.3	12
118	Mapping small intestine bioelectrical activity using high-resolution printed-circuit-board electrodes. , 2011, 2011, 4951-4.		10
119	Trends in publication of general surgical research in New Zealand, 1996-2015. <i>ANZ Journal of Surgery</i> , 2017, 87, 76-79.	0.3	10
120	Correct techniques for extracellular recordings of electrical activity in gastrointestinal muscle. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 372-372.	8.2	10
121	Readmissions after ileostomy formation: a retrospective analysis from a New Zealand tertiary centre. <i>ANZ Journal of Surgery</i> , 2020, 90, 1621-1626.	0.3	10
122	Chyme recycling in the management of small bowel double enterostomy in pediatric and neonatal populations: A systematic review. <i>Clinical Nutrition ESPEN</i> , 2020, 37, 1-8.	0.5	10
123	ManoMap: an automated system for characterization of colonic propagating contractions recorded by high-resolution manometry. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 417-429.	1.6	10
124	Retrograde slow-wave activation: a missing link in gastric dysfunction?. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14112.	1.6	10
125	Targeted ablation of gastric pacemaker sites to modulate patterns of bioelectrical slow wave activation and propagation in an anesthetized pig model. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, G431-G445.	1.6	10
126	Developmental Changes in Postnatal Murine Intestinal Interstitial Cell of Cajal Network Structure and Function. <i>Annals of Biomedical Engineering</i> , 2014, 42, 1729-1739.	1.3	9

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127	Feasibility of High-Resolution Electrical Mapping for Characterizing Conduction Blocks Created by Gastric Ablation. , 2019, 2019, 170-173.		9
128	The impact of transanal tube design for preventing anastomotic leak in anterior resection: a systematic review and meta-analysis. Techniques in Coloproctology, 2021, 25, 59-68.	0.8	9
129	Variable Gut Function Recovery After Right vs. Left Colectomy May Be Due to Rectosigmoid Hyperactivity. Frontiers in Physiology, 2021, 12, 635167.	1.3	9
130	Prolonged postoperative ileus following rightâ€ versus leftâ€sided colectomy: A systematic review and metaâ€analysis. Colorectal Disease, 2021, 23, 3113-3122.	0.7	9
131	A simplified biophysical cell model for gastric slow wave entrainment simulation. , 2013, 2013, 6547-50.		8
132	Limited evidence of abnormal intraâ€colonic pressure profiles in diverticular disease â€ a systematic review. Colorectal Disease, 2017, 19, O168-O176.	0.7	8
133	Extraâ€corporeal normothermic machine perfusion of the porcine kidney: working towards future utilization in Australasia. ANZ Journal of Surgery, 2018, 88, E429-E434.	0.3	8
134	High-Resolution Colonic Manometry Pressure Profiles Are Similar in Asymptomatic Diverticulosis and Controls. Digestive Diseases and Sciences, 2021, 66, 832-842.	1.1	8
135	Transcutaneous Electrical Stimulation for Neurogenic Bladder Dysfunction Following Spinal Cord Injury: Meta-Analysis of Randomized Controlled Trials. Neuromodulation, 2021, 24, 1237-1246.	0.4	8
136	Meta-Analysis of the Composition of Human Intestinal Gases. Digestive Diseases and Sciences, 2022, 67, 3842-3859.	1.1	8
137	A Simulated Anatomically Accurate Investigation Into the Effects of Biodiversity on Electrogastrography. IEEE Transactions on Biomedical Engineering, 2020, 67, 868-875.	2.5	7
138	Effects of Anatomical Variations of the Stomach on Body-Surface Gastric Mapping Investigated Using a Large Population-Based Multiscale Simulation Approach. IEEE Transactions on Biomedical Engineering, 2022, 69, 1369-1377.	2.5	7
139	Relationships between serum electrolyte concentrations and ileus: A joint clinical and mathematical modeling study. Physiological Reports, 2021, 9, e14735.	0.7	7
140	Debt on graduation, expected place of practice, and career aspirations of Auckland Medical School students. New Zealand Medical Journal, 2001, 114, 468-70.	0.5	7
141	Concerning the Validity of Gastrointestinal Extracellular Recordings. Physiological Reviews, 2015, 95, 691-692.	13.1	6
142	Development and feasibility of an ambulatory acquisition system for fiberâ€optic highâ€resolution colonic manometry. Neurogastroenterology and Motility, 2019, 31, e13704.	1.6	6
143	Iterative Covariance-Based Removal of Time-Synchronous Artifacts: Application to Gastrointestinal Electrical Recordings. IEEE Transactions on Biomedical Engineering, 2016, 63, 2262-2272.	2.5	5
144	Electrical Stimulation and Recovery of Gastrointestinal Function Following Surgery: A Systematic Review. Neuromodulation, 2019, 22, 669-679.	0.4	5

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145	Costs and outcomes of sacral nerve stimulation for faecal incontinence in New Zealand: a 10-year observational study. ANZ Journal of Surgery, 2020, 90, 569-575.	0.3	5
146	In vivo experimental validation of detection of gastric slow waves using a flexible multichannel electrogastrography sensor linear array. BioMedical Engineering OnLine, 2022, 21, .	1.3	5
147	Detection of the Recovery Phase of in vivo gastric slow wave recordings. , 2015, 2015, 6094-7.		4
148	Gastrografin may reduce time to oral diet in prolonged postoperative ileus: a pooled analysis of two randomized trials. ANZ Journal of Surgery, 2018, 88, E578.	0.3	4
149	A Novel High-Density Electromyography Probe for Evaluating Anorectal Neurophysiology: Design, Human Feasibility Study, and Validation with Trans-Sacral Magnetic Stimulation. Annals of Biomedical Engineering, 2021, 49, 502-514.	1.3	4
150	Stoma-Output Reinfusion Device for Ileostomy Patients. Diseases of the Colon and Rectum, 2021, 64, e662-e668.	0.7	4
151	A multi-parameter approach to measurement of spontaneous myogenic contractions in human stomach: Utilization to assess potential modulators of myogenic contractions. Pharmacological Research, 2022, 180, 106247.	3.1	4
152	Barriers to the management of obstructed defaecation according to colorectal surgeons. Colorectal Disease, 2017, 19, 649-655.	0.7	3
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