

Gregory O'Grady

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

5,545
citations

81743

39
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114278

63
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188
all docs

188
docs citations

188
times ranked

2991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Effects of Anatomical Variations of the Stomach on Body-Surface Gastric Mapping Investigated Using a Large Population-Based Multiscale Simulation Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1369-1377. | 2.5 | 7 |
| 3 | 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 |
| 4 | Post-operative ileus: definitions, mechanisms and controversies. <i>ANZ Journal of Surgery</i> , 2022, 92, 62-68. | 0.3 | 12 |
| 5 | Meta-Analysis of the Composition of Human Intestinal Gases. <i>Digestive Diseases and Sciences</i> , 2022, 67, 3842-3859. | 1.1 | 8 |
| 6 | 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 |
| 7 | 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 |
| 8 | Wearable devices to monitor recovery after abdominal surgery: scoping review. <i>BJS Open</i> , 2022, 6, . | 0.7 | 17 |
| 9 | A multi-parameter approach to measurement of spontaneous myogenic contractions in human stomach: Utilization to assess potential modulators of myogenic contractions. <i>Pharmacological Research</i> , 2022, 180, 106247. | 3.1 | 4 |
| 10 | An automated artifact detection and rejection system for body surface gastric mapping. <i>Neurogastroenterology and Motility</i> , 2022, 34, . | 1.6 | 21 |
| 11 | In vivo experimental validation of detection of gastric slow waves using a flexible multichannel electrogastrography sensor linear array. <i>BioMedical Engineering OnLine</i> , 2022, 21, . | 1.3 | 5 |
| 12 | The Use of Biochemical Markers in Complicated and Uncomplicated Acute Diverticulitis. <i>International Surgery</i> , 2021, 105, 380-388. | 0.0 | 1 |
| 13 | High-Resolution Colonic Manometry Pressure Profiles Are Similar in Asymptomatic Diverticulosis and Controls. <i>Digestive Diseases and Sciences</i> , 2021, 66, 832-842. | 1.1 | 8 |
| 14 | The impact of transanal tube design for preventing anastomotic leak in anterior resection: a systematic review and meta-analysis. <i>Techniques in Coloproctology</i> , 2021, 25, 59-68. | 0.8 | 9 |
| 15 | A Novel High-Density Electromyography Probe for Evaluating Anorectal Neurophysiology: Design, Human Feasibility Study, and Validation with Trans-Sacral Magnetic Stimulation. <i>Annals of Biomedical Engineering</i> , 2021, 49, 502-514. | 1.3 | 4 |
| 16 | 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 |
| 17 | Altered colonic motility is associated with low anterior resection syndrome. <i>Colorectal Disease</i> , 2021, 23, 415-423. | 0.7 | 25 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | Relationships between serum electrolyte concentrations and ileus: A joint clinical and mathematical modeling study. <i>Physiological Reports</i> , 2021, 9, e14735. | 0.7 | 7 |
| 21 | Retrograde slow-wave activation: a missing link in gastric dysfunction?. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14112. | 1.6 | 10 |
| 22 | Variable Gut Function Recovery After Right vs. Left Colectomy May Be Due to Rectosigmoid Hyperactivity. <i>Frontiers in Physiology</i> , 2021, 12, 635167. | 1.3 | 9 |
| 23 | Gastric dysrhythmia in gastroesophageal reflux disease: a systematic review and meta-analysis. <i>Esophagus</i> , 2021, 18, 425-435. | 1.0 | 23 |
| 24 | Electrogastrography Abnormalities in Pediatric Gastrointestinal Disorders. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021, 73, 9-16. | 0.9 | 17 |
| 25 | 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 |
| 26 | Chyme reinfusion nutritional management for enterocutaneous fistula: first international application of a novel pump technique. <i>Colorectal Disease</i> , 2021, 23, 1924-1929. | 0.7 | 3 |
| 27 | 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 |
| 28 | Clinical factors associated with successful embolization of lower gastrointestinal bleeding. <i>ANZ Journal of Surgery</i> , 2021, 91, 2097-2105. | 0.3 | 1 |
| 29 | 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 |
| 30 | Transcutaneous Electrical Stimulation for Neurogenic Bladder Dysfunction Following Spinal Cord Injury: Meta-Analysis of Randomized Controlled Trials. <i>Neuromodulation</i> , 2021, 24, 1237-1246. | 0.4 | 8 |
| 31 | A novel mechanism for acute colonic pseudo-obstruction revealed by high-resolution manometry: A case report. <i>Physiological Reports</i> , 2021, 9, e14950. | 0.7 | 1 |
| 32 | 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 |
| 33 | Stoma-Output Reinfusion Device for Ileostomy Patients. <i>Diseases of the Colon and Rectum</i> , 2021, 64, e662-e668. | 0.7 | 4 |
| 34 | 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 |
| 35 | 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 |
| 36 | 322 Clinical Factors Predictive of Both Successful and Unsuccessful Arterial Embolization in The Management of Lower Gastrointestinal Bleeding. <i>British Journal of Surgery</i> , 2021, 108, . | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Intraoperative serosal extracellular mapping of the human distal colon: a feasibility study. <i>BioMedical Engineering OnLine</i> , 2021, 20, 105. | 1.3 | 2 |
| 38 | Prolonged postoperative ileus following rightâ€ versus leftâ€ sided colectomy: A systematic review and metaâ€ analysis. <i>Colorectal Disease</i> , 2021, 23, 3113-3122. | 0.7 | 9 |
| 39 | Potential causes of the preoperative increase in the rectosigmoid cyclic motor pattern: A highâ€ resolution manometry study. <i>Physiological Reports</i> , 2021, 9, e15091. | 0.7 | 1 |
| 40 | Continuous wireless postoperative monitoring using wearable devices: further device innovation is needed. <i>Critical Care</i> , 2021, 25, 394. | 2.5 | 1 |
| 41 | Comparison of gold and PEDOT:PSS contacts for high-resolution gastric electrical mapping using flexible printed circuit arrays. , 2021, 2021, 6937-6940. | | 1 |
| 42 | A Simulated Anatomically Accurate Investigation Into the Effects of Biodiversity on Electrogastrography. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 868-875. | 2.5 | 7 |
| 43 | 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 |
| 44 | 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 |
| 45 | Impact of temporary ileostomy on longâ€ term quality of life and bowel function: a systematic review and metaâ€ analysis. <i>ANZ Journal of Surgery</i> , 2020, 90, 687-692. | 0.3 | 41 |
| 46 | 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 |
| 47 | 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 |
| 48 | Network meta-analysis of local and regional analgesia following colorectal resection. <i>British Journal of Surgery</i> , 2020, 107, e109-e122. | 0.1 | 16 |
| 49 | Patient-Administered Transcutaneous Electrical Nerve Stimulation for Postoperative Pain Control After Laparoscopic Cholecystectomy: A Randomized, Sham-Controlled Feasibility Trial. <i>Neuromodulation</i> , 2020, 23, 1144-1150. | 0.4 | 1 |
| 50 | Effects of Anatomical Variations on Body Surface Gastric Mapping. , 2020, 2020, 2388-2391. | | 3 |
| 51 | Prospective validation of classification of intraoperative adverse events (ClassIntra): international, multicentre cohort study. <i>BMJ, The</i> , 2020, 370, m2917. | 3.0 | 62 |
| 52 | Reâ€ admissions 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 |
| 53 | Effect of Opiate Use on Prolonged Postoperative Ileus: a Prospective Cohort Study. <i>Journal of Gastrointestinal Surgery</i> , 2020, 24, 1866-1868. | 0.9 | 0 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Comparison of bowel dysfunction between colorectal cancer survivors and a non-cancer control group. <i>Colorectal Disease</i> , 2020, 22, 806-813. | 0.7 | 18 |
| 56 | Costs and outcomes of sacral nerve stimulation for faecal incontinence in New Zealand: a 10-year observational study. <i>ANZ Journal of Surgery</i> , 2020, 90, 569-575. | 0.3 | 5 |
| 57 | Manometry of the Human Ileum and Ileocaecal Junction in Health, Disease and Surgery: A Systematic Review. <i>Frontiers in Surgery</i> , 2020, 7, 18. | 0.6 | 3 |
| 58 | 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 |
| 59 | Pharmacologic targeting of renal ischemia-reperfusion injury using a normothermic machine perfusion platform. <i>Scientific Reports</i> , 2020, 10, 6930. | 1.6 | 18 |
| 60 | Novel chyme reinfusion device for gastrointestinal fistulas and stomas: feasibility study. <i>British Journal of Surgery</i> , 2020, 107, 1199-1210. | 0.1 | 19 |
| 61 | Colonic Manometry. , 2020, , 618-626. | | 1 |
| 62 | High-resolution optical mapping of gastric slow wave propagation. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13449. | 1.6 | 16 |
| 63 | 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 |
| 64 | Development and feasibility of an ambulatory acquisition system for fiber-optic high-resolution colonic manometry. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13704. | 1.6 | 6 |
| 65 | Acute surgical experience of Australian general surgical trainees. <i>ANZ Journal of Surgery</i> , 2019, 89, 1432-1436. | 0.3 | 1 |
| 66 | 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 |
| 67 | 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 |
| 68 | Correspondence. <i>British Journal of Surgery</i> , 2019, 106, 952-953. | 0.1 | 0 |
| 69 | 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 |
| 70 | Multi-day, multi-sensor ambulatory monitoring of gastric electrical activity. <i>Physiological Measurement</i> , 2019, 40, 025011. | 1.2 | 16 |
| 71 | Feasibility of High-Resolution Electrical Mapping for Characterizing Conduction Blocks Created by Gastric Ablation. , 2019, 2019, 170-173. | | 9 |
| 72 | 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 |

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|----|---|------|-----------|
| 73 | Methods for High-Resolution Electrical Mapping in the Gastrointestinal Tract. <i>IEEE Reviews in Biomedical Engineering</i> , 2019, 12, 287-302. | 13.1 | 51 |
| 74 | 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 |
| 75 | Electrical Stimulation and Recovery of Gastrointestinal Function Following Surgery: A Systematic Review. <i>Neuromodulation</i> , 2019, 22, 669-679. | 0.4 | 5 |
| 76 | Gastrografin may reduce time to oral diet in prolonged post-operative ileus: a pooled analysis of two randomized trials. <i>ANZ Journal of Surgery</i> , 2018, 88, E578. | 0.3 | 4 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | Improved Visualization of Gastrointestinal Slow Wave Propagation Using a Novel Wavefront-Orientation Interpolation Technique. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 319-326. | 2.5 | 3 |
| 85 | Challenges in defining, diagnosing, and treating diabetic gastroparesis. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 127-128. | 1.2 | 12 |
| 86 | Extra-corporeal normothermic machine perfusion of the porcine kidney: working towards future utilization in Australasia. <i>ANZ Journal of Surgery</i> , 2018, 88, E429-E434. | 0.3 | 8 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Progress in Mathematical Modeling of Gastrointestinal Slow Wave Abnormalities. <i>Frontiers in Physiology</i> , 2018, 8, 1136. | 1.3 | 30 |

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|-----|---|-----|-----------|
| 91 | 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 |
| 92 | Time-Delay Mapping of High-Resolution Gastric Slow-Wave Activity. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 166-172. | 2.5 | 14 |
| 93 | 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 |
| 94 | 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 |
| 95 | Limited evidence of abnormal intra-colonic pressure profiles in diverticular disease - a systematic review. <i>Colorectal Disease</i> , 2017, 19, O168-O176. | 0.7 | 8 |
| 96 | 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 |
| 97 | Response to Re: Trends in publication of general surgical research in New Zealand, 1996-2015. <i>ANZ Journal of Surgery</i> , 2017, 87, 317-317. | 0.3 | 0 |
| 98 | Defining low anterior resection syndrome: a systematic review of the literature. <i>Colorectal Disease</i> , 2017, 19, 713-722. | 0.7 | 139 |
| 99 | The rectosigmoid brake - 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | 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 |
| 103 | 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 |
| 104 | Barriers to the management of obstructed defaecation according to colorectal surgeons. <i>Colorectal Disease</i> , 2017, 19, 649-655. | 0.7 | 3 |
| 105 | Response to Altman et al. <i>Hpb</i> , 2017, 19, 651. | 0.1 | 0 |
| 106 | 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 |
| 107 | Acute colonic pseudo-obstruction: A systematic review of aetiology and mechanisms. <i>World Journal of Gastroenterology</i> , 2017, 23, 5634. | 1.4 | 85 |
| 108 | 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 |

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|-----|---|------|-----------|
| 109 | 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 |
| 110 | Iterative Covariance-Based Removal of Time-Synchronous Artifacts: Application to Gastrointestinal Electrical Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2262-2272. | 2.5 | 5 |
| 111 | Systematic review of peri-operative prognostic biomarkers in pancreatic ductal adenocarcinoma. <i>Hpb</i> , 2016, 18, 652-663. | 0.1 | 28 |
| 112 | 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 |
| 113 | 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 |
| 114 | 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 |
| 115 | 837 The Spatiotemporal Characteristics of Retrograde Motor Activity in the Distal Colon Defined by High-Resolution Colonic Manometry. <i>Gastroenterology</i> , 2016, 150, S177. | 0.6 | 1 |
| 116 | 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 |
| 117 | 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 |
| 118 | Extending the automated gastrointestinal analysis pipeline: Removal of invalid slow wave marks in gastric serosal recordings. , 2015, 2015, 1938-41. | | 1 |
| 119 | Detection of the Recovery Phase of <i>in vivo</i> gastric slow wave recordings. , 2015, 2015, 6094-7. | | 4 |
| 120 | Determining the efficient inter-electrode distance for high-resolution mapping using a mathematical model of human gastric dysrhythmias. , 2015, 2015, 1448-51. | | 1 |
| 121 | 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 |
| 122 | Concerning the Validity of Gastrointestinal Extracellular Recordings. <i>Physiological Reviews</i> , 2015, 95, 691-692. | 13.1 | 6 |
| 123 | A Stochastic Algorithm for Generating Realistic Virtual Interstitial Cell of Cajal Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2070-2078. | 2.5 | 2 |
| 124 | Gastric Arrhythmias in Gastroparesis. <i>Gastroenterology Clinics of North America</i> , 2015, 44, 169-184. | 1.0 | 49 |
| 125 | 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 |
| 126 | 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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|-----|---|-----|-----------|
| 127 | Multi-channel wireless mapping of gastrointestinal serosal slow wave propagation. <i>Neurogastroenterology and Motility</i> , 2015, 27, 580-585. | 1.6 | 32 |
| 128 | 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 |
| 129 | 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 |
| 130 | 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 |
| 131 | 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 |
| 132 | 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 |
| 133 | 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 |
| 134 | Postoperative ileus: mechanisms and future directions for research. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 358-370. | 0.9 | 113 |
| 135 | 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 |
| 136 | Comparison of filtering methods for extracellular gastric slow wave recordings. <i>Neurogastroenterology and Motility</i> , 2013, 25, 79-83. | 1.6 | 66 |
| 137 | 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 |
| 138 | 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 |
| 139 | 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 |
| 140 | Circumferential and functional re-entry 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 |
| 141 | The bioelectrical basis and validity of gastrointestinal extracellular slow wave recordings. <i>Journal of Physiology</i> , 2013, 591, 4567-4579. | 1.3 | 74 |
| 142 | A simplified biophysical cell model for gastric slow wave entrainment simulation. , 2013, 2013, 6547-50. | | 8 |
| 143 | Automated classification of spatiotemporal characteristics of gastric slow wave propagation. , 2013, 2013, 7342-5. | | 0 |
| 144 | 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 |

| # | ARTICLE | IF | CITATIONS |
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| 145 | Mapping and Modeling Gastrointestinal Bioelectricity: From Engineering Bench to Bedside. <i>Physiology</i> , 2013, 28, 310-317. | 1.6 | 52 |
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