

Ravinder K Mittal

List of Publications by Year in descending order

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90
papers

3,533
citations

172457

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docs citations

93
times ranked

2057
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#	ARTICLE	IF	CITATIONS
1	The Esophagogastric Junction. <i>New England Journal of Medicine</i> , 1997, 336, 924-932.	27.0	548
2	Esophageal motility disorders on high-resolution manometry: Chicago classification version 4.0. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14058.	3.0	468
3	Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective, Placebo-Controlled, Randomized, Double-Blind Study. <i>Laryngoscope</i> , 2001, 111, 2147-2151.	2.0	191
4	The international anorectal physiology working group (IAPWG) recommendations: Standardized testing protocol and the London classification for disorders of anorectal function. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13679.	3.0	184
5	Pelvic Floor Anatomy and Applied Physiology. <i>Gastroenterology Clinics of North America</i> , 2008, 37, 493-509.	2.2	125
6	Sensory and motor function of the esophagus: Lessons from ultrasound imaging. <i>Gastroenterology</i> , 2005, 128, 487-497.	1.3	102
7	Effects of morphine and naloxone on esophageal motility and gastric emptying in man. <i>Digestive Diseases and Sciences</i> , 1986, 31, 936-942.	2.3	101
8	Prevalence of Increased Esophageal Muscle Thickness in Patients With Esophageal Symptoms. <i>American Journal of Gastroenterology</i> , 2007, 102, 137-145.	0.4	84
9	Evidence for the Innervation of Pelvic Floor Muscles by the Pudendal Nerve. <i>Obstetrics and Gynecology</i> , 2005, 106, 774-781.	2.4	75
10	Vaginal high-pressure zone assessed by dynamic 3-dimensional ultrasound images of the pelvic floor. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 197, 52.e1-52.e7.	1.3	75
11	Hypertrophy of the muscularis propria of the lower esophageal sphincter and the body of the esophagus in patients with primary motility disorders of the esophagus. <i>American Journal of Gastroenterology</i> , 2003, 98, 1705-1712.	0.4	74
12	Synchrony between circular and longitudinal muscle contractions during peristalsis in normal subjects. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G431-G438.	3.4	73
13	Transperineal Three-Dimensional Ultrasound Imaging for Detection of Anatomic Defects in the Anal Sphincter Complex Muscles. <i>Clinical Gastroenterology and Hepatology</i> , 2009, 7, 205-211.	4.4	71
14	A Unique Esophageal Motor Pattern That Involves Longitudinal Muscles Is Responsible for Emptying in Achalasia Esophagus. <i>Gastroenterology</i> , 2010, 139, 102-111.	1.3	70
15	Esophageal Motility Disorders and Gastroesophageal Reflux Disease. <i>New England Journal of Medicine</i> , 2020, 383, 1961-1972.	27.0	62
16	Hiatal Hernia. <i>American Journal of Medicine</i> , 1997, 103, 33S-39S.	1.5	59
17	Dysphagia aortica. <i>Digestive Diseases and Sciences</i> , 1986, 31, 379-384.	2.3	51
18	A novel ultrasound technique to study the biomechanics of the human esophagus in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, G785-G793.	3.4	46

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19	Dynamic assessment of the vaginal high-pressure zone using high-definition manometry, 3-dimensional ultrasound, and magnetic resonance imaging of the pelvic floor muscles. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 172.e1-172.e8.	1.3	46
20	Mechanism of stretch-activated excitatory and inhibitory responses in the lower esophageal sphincter. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G397-G405.	3.4	43
21	Regulation and dysregulation of esophageal peristalsis by the integrated function of circular and longitudinal muscle layers in health and disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G431-G443.	3.4	40
22	Axial stretch: a novel mechanism of the lower esophageal sphincter relaxation. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G329-G334.	3.4	39
23	The hypertensive lower esophageal sphincter. <i>Digestive Diseases and Sciences</i> , 1989, 34, 1063-1067.	2.3	37
24	Functional morphology of the lower esophageal sphincter and crural diaphragm determined by three-dimensional high-resolution esophago-gastric junction pressure profile and CT imaging. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G212-G219.	3.4	36
25	Human sphincter of oddi motility and cholecystokinin response following liver transplantation. <i>Digestive Diseases and Sciences</i> , 1993, 38, 462-468.	2.3	35
26	Esophageal motor disorders: recent advances. <i>Current Opinion in Gastroenterology</i> , 2006, 22, 417-422.	2.3	32
27	Three-Dimensional Myoarchitecture of the Lower Esophageal Sphincter and Esophageal Hiatus Using Optical Sectioning Microscopy. <i>Scientific Reports</i> , 2017, 7, 13188.	3.3	32
28	Longitudinal Muscle Dysfunction in Achalasia Esophagus and Its Relevance. <i>Journal of Neurogastroenterology and Motility</i> , 2013, 19, 126-136.	2.4	31
29	Antireflux Action of Nissen Fundoplication and Stretch-Sensitive Mechanism of Lower Esophageal Sphincter Relaxation. <i>Gastroenterology</i> , 2011, 140, 442-449.	1.3	29
30	Purse-string morphology of external anal sphincter revealed by novel imaging techniques. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G505-G514.	3.4	29
31	Distension during gastroesophageal reflux: effects of acid inhibition and correlation with symptoms. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, G469-G474.	3.4	26
32	Longitudinal muscle of the esophagus. <i>Current Opinion in Gastroenterology</i> , 2013, 29, 1.	2.3	26
33	Inhibitory motor neurons of the esophageal myenteric plexus are mechanosensitive. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C405-C413.	4.6	25
34	Genesis of Esophageal Pressurization and Bolus Flow Patterns in Patients With Achalasia Esophagus. <i>Gastroenterology</i> , 2018, 155, 327-336.	1.3	25
35	Motor and Sensory Function of the Esophagus. <i>Journal of Clinical Gastroenterology</i> , 2005, 39, S42-S48.	2.2	24
36	Effect of atropine on the biomechanical properties of the oesophageal wall in humans. <i>Journal of Physiology</i> , 2003, 547, 621-628.	2.9	23

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37	Measuring esophageal distension by high-frequency intraluminal ultrasound probe. American Journal of Physiology - Renal Physiology, 2002, 283, G886-G892.	3.4	22
38	Closure Mechanism of the Anal Canal in Women: Assessed by Three-Dimensional Ultrasound Imaging. Diseases of the Colon and Rectum, 2008, 51, 932-939.	1.3	22
39	Role of Puborectalis Muscle in the Genesis of Urethral Pressure. Journal of Urology, 2012, 188, 1382-1388.	0.4	22
40	Esophageal contractions in type 3 achalasia esophagus: simultaneous or peristaltic?. American Journal of Physiology - Renal Physiology, 2016, 310, G689-G695.	3.4	21
41	Anatomical Disruption and Length-Tension Dysfunction of Anal Sphincter Complex Muscles in Women with Fecal Incontinence. Diseases of the Colon and Rectum, 2013, 56, 1282-1289.	1.3	20
42	Age-related external anal sphincter muscle dysfunction and fibrosis: possible role of Wnt/ β -catenin signaling pathways. American Journal of Physiology - Renal Physiology, 2017, 313, G581-G588.	3.4	20
43	Chicago Classification update (v4.0): Technical review of high-resolution manometry metrics for EGJ barrier function. Neurogastroenterology and Motility, 2021, 33, e14113.	3.0	20
44	Hiccups and gastroesophageal reflux: Cause and effect?. Digestive Diseases and Sciences, 1989, 34, 1277-1280.	2.3	19
45	Effect of esophageal contraction on esophageal wall blood perfusion. American Journal of Physiology - Renal Physiology, 2011, 301, G1093-G1098.	3.4	19
46	Sustained Improvement in the Anal Sphincter Function Following Surgical Plication of Rabbit External Anal Sphincter Muscle. Diseases of the Colon and Rectum, 2011, 54, 1373-1380.	1.3	16
47	Connectivity of the Superficial Muscles of the Human Perineum: A Diffusion Tensor Imaging-Based Global Tractography Study. Scientific Reports, 2018, 8, 17867.	3.3	16
48	Measuring esophageal distention by high-frequency intraluminal ultrasound probe. American Journal of Medicine, 2003, 115, 130-136.	1.5	15
49	Topographical plots of esophageal distension and contraction: effects of posture on esophageal peristalsis and bolus transport. American Journal of Physiology - Renal Physiology, 2019, 316, G519-G526.	3.4	15
50	Morphology of the Esophageal Hiatus: Is It Different in 3 Types of Hiatus Hernias?. Journal of Neurogastroenterology and Motility, 2020, 26, 51-60.	2.4	15
51	A Predictive Model to Identify Patients With Fecal Incontinence Based on High-Definition Anorectal Manometry. Clinical Gastroenterology and Hepatology, 2016, 14, 1788-1796.e2.	4.4	14
52	Cholecystokinin induces esophageal longitudinal muscle contraction and transient lower esophageal sphincter relaxation in healthy humans. American Journal of Physiology - Renal Physiology, 2018, 315, G734-G742.	3.4	12
53	Botox injection into the lower esophageal sphincter induces hiatal paralysis and gastroesophageal reflux. American Journal of Physiology - Renal Physiology, 2020, 318, G77-G83.	3.4	12
54	Length Tension Function of Puborectalis Muscle: Implications for the Treatment of Fecal Incontinence and Pelvic Floor Disorders. Journal of Neurogastroenterology and Motility, 2014, 20, 539-546.	2.4	11

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55	Endoflip vs high-definition manometry in the assessment of fecal incontinence: A data-driven unsupervised comparison. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13462.	3.0	11
56	High-frequency ultrasound imaging of the anal sphincter muscles in normal subjects and patients with fecal incontinence. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13537.	3.0	11
57	Visualizing the enteric nervous system using genetically engineered double reporter mice: Comparison with immunofluorescence. <i>PLoS ONE</i> , 2017, 12, e0171239.	2.5	11
58	The sphincter mechanism at the lower end of the esophagus: An overview. <i>Dysphagia</i> , 1993, 8, 347-350.	1.8	10
59	Architecture of vagal motor units controlling striated muscle of esophagus: Peripheral elements patterning peristalsis?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 179, 90-98.	2.8	10
60	Wnt- β 2 Catenin Signaling Pathway: A Major Player in the Injury Induced Fibrosis and Dysfunction of the External Anal Sphincter. <i>Scientific Reports</i> , 2017, 7, 963.	3.3	10
61	Circular and longitudinal muscles shortening indicates sliding patterns during peristalsis and transient lower esophageal sphincter relaxation. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G360-G367.	3.4	9
62	Esophageal Submucosal Injection of Capsaicin but Not Acid Induces Symptoms in Normal Subjects. <i>Journal of Neurogastroenterology and Motility</i> , 2016, 22, 436-443.	2.4	9
63	Low esophageal mucosal blood flow in patients with nutcracker esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G410-G416.	3.4	9
64	Relationship between distension-contraction waveforms during esophageal peristalsis: effect of bolus volume, viscosity, and posture. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G454-G461.	3.4	9
65	Loop analysis of the anal sphincter complex in fecal incontinent patients using functional luminal imaging probe. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G66-G76.	3.4	8
66	Three-Dimensional Pressure Profile of the Lower Esophageal Sphincter and Crural Diaphragm in Patients with Achalasia Esophagus. <i>Gastroenterology</i> , 2020, 159, 864-872.e1.	1.3	8
67	Measuring length-tension function of the anal sphincters and puborectalis muscle using the functional luminal imaging probe. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G781-G787.	3.4	7
68	Abnormal Esophageal Distension Profiles in Patients With Functional Dysphagia: A Possible Mechanism of Dysphagia. <i>Gastroenterology</i> , 2021, 160, 1847-1849.e2.	1.3	7
69	Achalasia, Alcohol-Stasis, and Acute Necrotizing Esophagitis: Connecting the Dots. <i>Digestive Diseases and Sciences</i> , 2011, 56, 612-614.	2.3	5
70	Bolus flow and biomechanical properties of the esophageal wall during primary esophageal peristalsis: Effects of bolus viscosity and posture. <i>Neurogastroenterology and Motility</i> , 2021, , e14281.	3.0	5
71	Rhythmic contraction but arrhythmic distension of esophageal peristaltic reflex in patients with dysphagia. <i>PLoS ONE</i> , 2022, 17, e0262948.	2.5	5
72	Shoulder Pain: An Unusual Presentation of Gastric Ulcer. <i>Southern Medical Journal</i> , 1989, 82, 1446-1447.	0.7	4

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73	Derived M-mode Ultrasonography: A Valuable Imaging Modality for the Visual Assessment of Esophageal Motility. <i>Gastrointestinal Endoscopy</i> , 2004, 59, P220.	1.0	4
74	Anal sphincter complex muscles defects and dysfunction in asymptomatic parous women. <i>International Urogynecology Journal</i> , 2011, 22, 1143-1150.	1.4	4
75	Na + /Ca 2+ exchanger 1 is a key mechanosensitive molecule of the esophageal myenteric neurons. <i>Acta Physiologica</i> , 2019, 225, e13223.	3.8	4
76	Distensionâ€œcontraction profile of peristalsis in patients with nutcracker esophagus. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14138.	3.0	4
77	413 DISTENSION CONTRACTION PLOTS OF ESOPHAGEAL PERISTALSIS GENERATED USING AN AUTOMATED COMPUTER PROGRAM. <i>Gastroenterology</i> , 2020, 158, S-79-S-80.	1.3	3
78	Sliding Hiatus Hernia: A Two-Step Pressure Pump of Gastroesophageal Reflux. <i>Gastroenterology</i> , 2021, 161, 339-341.e1.	1.3	3
79	Montreal, Rome, and Lyon Consensus: Will They Resolve the Conundrum of Gastroesophageal Reflux Disease. <i>Gastroenterology</i> , 2021, 161, 1776-1779.	1.3	3
80	Infusion manometry and detection of sphincteric function of crural diaphragm. <i>Digestive Diseases and Sciences</i> , 1991, 36, 6S-13S.	2.3	2
81	Esophageal Function Testing. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2014, 24, 667-685.	1.4	2
82	Novel gel bolus to improve impedanceâ€œbased measurements of esophageal crossâ€œsectional area during primary peristalsis. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14071.	3.0	2
83	Relationship between dysphagia, lower esophageal sphincter relaxation, and esophagogastric junction distensibility. <i>Neurogastroenterology and Motility</i> , 2022, , e14319.	3.0	2
84	Do resistance exercises during biofeedback therapy enhance the anal sphincter and pelvic floor muscles in anal incontinence?. <i>Neurogastroenterology and Motility</i> , 2021, , e14212.	3.0	1
85	Anorectal Anatomy and Function. <i>Gastroenterology Clinics of North America</i> , 2022, 51, 1-23.	2.2	1
86	Hypertensive lower esophageal sphincter and dysphagia. <i>Digestive Diseases and Sciences</i> , 1990, 35, 667-668.	2.3	0
87	Esophageal motility. <i>Current Opinion in Gastroenterology</i> , 1992, 8, 553-561.	2.3	0
88	Assessment of esophageal motility in achalasia using high frequency intraluminal ultrasonography (HFIUS). <i>American Journal of Gastroenterology</i> , 2000, 95, 2446-2446.	0.4	0
89	Esophageal Sphincter Device/Antireflux Surgery: Who Needs It?. <i>Gastroenterology</i> , 2013, 145, 679-681.	1.3	0
90	Is the Lower Esophageal Sphincter Tone Related to a Gas?. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 239-240.	4.5	0