

Hans Gregersen

List of Publications by Year in descending order

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467
papers

10,675
citations

38742

50
h-index

85541

71
g-index

473
all docs

473
docs citations

473
times ranked

6670
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanics of the gastrointestinal tract. <i>Neurogastroenterology and Motility</i> , 1996, 8, 277-297.	3.0	297
2	Unexplained Chest Pain: The Hypersensitive, Hyperreactive, and Poorly Compliant Esophagus. <i>Annals of Internal Medicine</i> , 1996, 124, 950.	3.9	177
3	Experimental pain in gastroenterology: a reappraisal of human studies. <i>Scandinavian Journal of Gastroenterology</i> , 2003, 38, 1115-1130.	1.5	157
4	Biomechanical regulation of vascular smooth muscle cell functions: from <i>in vitro</i> to <i>in vivo</i> understanding. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130852.	3.4	137
5	The functional lumen imaging probe (FLIP) for evaluation of the esophagogastric junction. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G377-G384.	3.4	130
6	Multimodal assessment of pain in the esophagus: a new experimental model. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, G95-G103.	3.4	123
7	Temporal entity-relationship models-a survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1999, 11, 464-497.	5.7	121
8	Esophagogastric Junction Distensibility After Fundoplication Assessed with a Novel Functional Luminal Imaging Probe. <i>Journal of Gastrointestinal Surgery</i> , 2010, 14, 268-276.	1.7	115
9	Review article: acidity and volume of the refluxate in the genesis of gastroesophageal reflux disease symptoms. <i>Alimentary Pharmacology and Therapeutics</i> , 2007, 25, 1003-1017.	3.7	104
10	Gut pain and hyperalgesia induced by capsaicin: a human experimental model. <i>Pain</i> , 2003, 104, 333-341.	4.2	98
11	Multi-modal induction and assessment of allodynia and hyperalgesia in the human oesophagus. <i>European Journal of Pain</i> , 2003, 7, 539-549.	2.8	97
12	Biomechanical behaviour of oesophageal tissues: Material and structural configuration, experimental data and constitutive analysis. <i>Medical Engineering and Physics</i> , 2009, 31, 1056-1062.	1.7	94
13	Biomechanics of the Gastrointestinal Tract. , 2003, , .		93
14	Impedance measuring system for quantification of cross-sectional area in the gastrointestinal tract. <i>Medical and Biological Engineering and Computing</i> , 1991, 29, 108-110.	2.8	92
15	The EuroPhysiome, STEP and a roadmap for the virtual physiological human. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 2979-2999.	3.4	92
16	Shear modulus of porcine coronary artery: contributions of media and adventitia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H1966-H1975.	3.2	85
17	A new technique for evaluating sphincter function in visceral organs: application of the functional lumen imaging probe (FLIP) for the evaluation of the oesophago-gastric junction. <i>Physiological Measurement</i> , 2005, 26, 823-836.	2.1	81
18	Biomechanical and morphometric intestinal remodelling during experimental diabetes in rats. <i>Diabetologia</i> , 2003, 46, 1688-1697.	6.3	79

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19	Surrounding tissues affect the passive mechanics of the vessel wall: theory and experiment. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3290-H3300.	3.2	77
20	The role of the L-arginine-nitric oxide pathway in relaxation of the opossum lower oesophageal sphincter. British Journal of Pharmacology, 1991, 104, 113-116.	5.4	73
21	Controlled Mechanical Distension of the Human Oesophagus: Sensory and Biomechanical Findings. Scandinavian Journal of Gastroenterology, 2003, 38, 27-35.	1.5	73
22	Impedance Planimetry: A New Approach to Biomechanical Intestinal Wall Properties. Digestive Diseases, 1991, 9, 332-340.	1.9	71
23	Rectal Wall Properties in Patients With Acute and Chronic Spinal Cord Lesions. Diseases of the Colon and Rectum, 2002, 45, 641-649.	1.3	71
24	The zero-stress state of the gastrointestinal tract: biomechanical and functional implications. Digestive Diseases and Sciences, 2000, 45, 2271-2281.	2.3	70
25	Three-Dimensional Polydopamine Functionalized Coiled Microfibrous Scaffolds Enhance Human Mesenchymal Stem Cells Colonization and Mild Myofibroblastic Differentiation. ACS Applied Materials & Interfaces, 2016, 8, 15864-15873.	8.0	70
26	Strain Distribution in the Layered Wall of the Esophagus. Journal of Biomechanical Engineering, 1999, 121, 442-448.	1.3	69
27	Biomechanical characteristics of the human esophagus. Digestive Diseases and Sciences, 1993, 38, 197-205.	2.3	67
28	Identification of the biomechanical factors associated with the perception of distension in the human esophagus. American Journal of Physiology - Renal Physiology, 2002, 282, G683-G689.	3.4	64
29	Regional distribution of axial strain and circumferential residual strain in the layered rabbit oesophagus. Journal of Biomechanics, 2001, 34, 225-233.	2.1	63
30	Analysis of surface geometry of the human stomach using real-time 3D ultrasonography <i>in vivo</i> . Neurogastroenterology and Motility, 2004, 16, 315-324.	3.0	63
31	Chinese health care system and clinical epidemiology. Clinical Epidemiology, 2017, Volume 9, 167-178.	3.0	63
32	The four-electrode impedance technique: a method for investigation of compliance in luminal organs. Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists' Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics, 1988, 9, 61-64.	0.5	62
33	Contribution of sensitivity, volume and tone to visceral perception in the upper gastrointestinal tract in man: emphasis on testing. Neurogastroenterology and Motility, 2007, 19, 47-61.	3.0	61
34	Biomechanical and morphological properties in rat large intestine. Journal of Biomechanics, 2000, 33, 1089-1097.	2.1	60
35	Multimodal pain stimulations in patients with grade B oesophagitis. Gut, 2006, 55, 926-932.	12.1	60
36	Biomechanical wall properties of the human rectum. A study with impedance planimetry.. Gut, 1993, 34, 1581-1586.	12.1	59

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37	High shear stress induces atherosclerotic vulnerable plaque formation through angiogenesis. <i>International Journal of Energy Production and Management</i> , 2016, 3, 257-267.	3.7	59
38	The data quality of haematological malignancy ICD-10 diagnoses in a population-based Hospital Discharge Registry. <i>European Journal of Cancer Prevention</i> , 2005, 14, 201-206.	1.3	58
39	Biomechanical wall properties and collagen content in the partially obstructed opossum esophagus. <i>Gastroenterology</i> , 1992, 103, 1547-1551.	1.3	57
40	History-Dependent Mechanical Behavior of Guinea-Pig Small Intestine. <i>Annals of Biomedical Engineering</i> , 1998, 26, 850-858.	2.5	57
41	Stress distribution in the layered wall of the rat oesophagus. <i>Medical Engineering and Physics</i> , 2003, 25, 731-738.	1.7	56
42	Up-Regulated Expression of Advanced Glycation End-Products and Their Receptor in the Small Intestine and Colon of Diabetic Rats. <i>Digestive Diseases and Sciences</i> , 2012, 57, 48-57.	2.3	56
43	M2 macrophage-derived exosomes promote the c-KIT phenotype of vascular smooth muscle cells during vascular tissue repair after intravascular stent implantation. <i>Theranostics</i> , 2020, 10, 10712-10728.	10.0	56
44	Comparison of methods used for measurement of rectal compliance. <i>Diseases of the Colon and Rectum</i> , 2001, 44, 199-206.	1.3	55
45	Pain intensity and biomechanical responses during ramp-controlled distension of the human rectum. <i>Digestive Diseases and Sciences</i> , 2003, 48, 1310-1316.	2.3	55
46	A new measurement of oesophago-gastric junction competence. <i>Neurogastroenterology and Motility</i> , 2004, 16, 543-546.	3.0	54
47	Gut sensations in diabetic autonomic neuropathy. <i>Pain</i> , 2007, 131, 320-329.	4.2	54
48	Deterioration of Muscle Function in the Human Esophagus with Age. <i>Digestive Diseases and Sciences</i> , 2008, 53, 3065-3070.	2.3	54
49	Diabetic Autonomic Neuropathy Affects Symptom Generation and Brain-Gut Axis. <i>Diabetes Care</i> , 2013, 36, 3698-3705.	8.6	54
50	Mortality and causes of death in patients with monoclonal gammopathy of undetermined significance. <i>British Journal of Haematology</i> , 2001, 112, 353-357.	2.5	53
51	Stomach stress and strain depend on location, direction and the layered structure. <i>Journal of Biomechanics</i> , 2008, 41, 3441-3447.	2.1	53
52	Pain and mechanical properties of the rectum in patients with active ulcerative colitis. <i>Inflammatory Bowel Diseases</i> , 2006, 12, 294-303.	1.9	52
53	Study of biocompatibility of medical grade high nitrogen nickel-free austenitic stainless steel in vitro. <i>Materials Science and Engineering C</i> , 2014, 43, 641-648.	7.3	51
54	Gastrointestinal tone. <i>Neurogastroenterology and Motility</i> , 2000, 12, 501-508.	3.0	50

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55	Remodeling of the zero-stress state of femoral arteries in response to flow overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1547-H1559.	3.2	50
56	Irritable bowel syndrome and risk of colorectal cancer: a Danish nationwide cohort study. <i>British Journal of Cancer</i> , 2011, 104, 1202-1206.	6.4	50
57	Impaired contractility and remodeling of the upper gastrointestinal tract in diabetes mellitus type-1. <i>World Journal of Gastroenterology</i> , 2007, 13, 4881.	3.3	50
58	Sensory and biomechanical responses to ramp-controlled distension of the human duodenum. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, G461-G471.	3.4	49
59	Distensibility of the anal canal in patients with idiopathic fecal incontinence: a study with the Functional Lumen Imaging Probe. <i>Neurogastroenterology and Motility</i> , 2014, 26, 255-263.	3.0	48
60	Pain and biomechanical responses to distention of the duodenum in patients with systemic sclerosis. <i>Gastroenterology</i> , 2003, 124, 1230-1239.	1.3	47
61	Morphometric and biomechanical intestinal remodeling induced by fasting in rats. <i>Digestive Diseases and Sciences</i> , 2002, 47, 1158-1168.	2.3	46
62	An experimental study of viscerovisceral hyperalgesia using an ultrasound-based multimodal sensory testing approach. <i>Pain</i> , 2005, 119, 191-200.	4.2	46
63	Central sensitization in patients with non-cardiac chest pain: A clinical experimental study. <i>Scandinavian Journal of Gastroenterology</i> , 2006, 41, 640-649.	1.5	46
64	Sensory and biomechanical properties of the esophagus in non-erosive reflux disease. <i>Scandinavian Journal of Gastroenterology</i> , 2007, 42, 432-440.	1.5	46
65	Gastrointestinal tract modelling in health and disease. <i>World Journal of Gastroenterology</i> , 2009, 15, 169.	3.3	46
66	Stepwise radiofrequency ablation of Barrett's esophagus preserves esophageal inner diameter, compliance, and motility. <i>Endoscopy</i> , 2009, 41, 2-8.	1.8	46
67	Neorectal hyposensitivity after neoadjuvant therapy for rectal cancer. <i>Radiotherapy and Oncology</i> , 2013, 108, 331-336.	0.6	46
68	Multimodal sensory testing of the rectum and rectosigmoid: development and reproducibility of a new method. <i>Neurogastroenterology and Motility</i> , 2008, 20, 908-918.	3.0	45
69	Gastric accommodation assessed by ultrasonography. <i>World Journal of Gastroenterology</i> , 2006, 12, 2825.	3.3	45
70	Remodelling of the left anterior descending artery in a porcine model of supra-aortic stenosis. <i>Journal of Hypertension</i> , 2002, 20, 2429-2437.	0.5	44
71	Strain during gastric contractions can be measured using Doppler ultrasonography. <i>Ultrasound in Medicine and Biology</i> , 2002, 28, 1457-1465.	1.5	43
72	Biomechanical properties of the layered oesophagus and its remodelling in experimental type-1 diabetes. <i>Journal of Biomechanics</i> , 2006, 39, 894-904.	2.1	42

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73	Investigation of esophageal sensation and biomechanical properties in functional chest pain. <i>Neurogastroenterology and Motility</i> , 2010, 22, 520-6, e116.	3.0	42
74	Re-Endothelialization Study on Endovascular Stents Seeded by Endothelial Cells through Up- or Downregulation of VEGF. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7578-7589.	8.0	42
75	Amelioration of TMAO through probiotics and its potential role in atherosclerosis. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9217-9228.	3.6	42
76	Advanced imaging and visualization in gastrointestinal disorders. <i>World Journal of Gastroenterology</i> , 2007, 13, 1408.	3.3	42
77	The impact of M-component type and immunoglobulin concentration on the risk of malignant transformation in patients with monoclonal gammopathy of undetermined significance. <i>Haematologica</i> , 2001, 86, 1172-9.	3.5	42
78	Involvement of thin afferents in carpal tunnel syndrome: Evaluated quantitatively by argon laser stimulation. <i>Muscle and Nerve</i> , 1991, 14, 508-514.	2.2	41
79	Shear Modulus of Elasticity of the Esophagus. <i>Annals of Biomedical Engineering</i> , 2004, 32, 1223-1230.	2.5	41
80	Cold and heat pain assessment of the human oesophagus after experimental sensitisation with acid. <i>Pain</i> , 2004, 110, 393-399.	4.2	41
81	Three-dimensional biomechanical properties of the human rectum evaluated with magnetic resonance imaging. <i>Neurogastroenterology and Motility</i> , 2005, 17, 531-540.	3.0	41
82	Opening angle and residual strain in a three-layered model of pig oesophagus. <i>Journal of Biomechanics</i> , 2007, 40, 3187-3192.	2.1	41
83	Rear actomyosin contractility-driven directional cell migration in three-dimensional matrices: a mechano-chemical coupling mechanism. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20131072.	3.4	41
84	Biomechanical properties of the rat oesophagus in experimental type-1 diabetes. <i>Neurogastroenterology and Motility</i> , 2004, 16, 195-203.	3.0	40
85	Tension and stress in the rat and rabbit stomach are location- and direction-dependent. <i>Neurogastroenterology and Motility</i> , 2005, 17, 388-398.	3.0	40
86	Sensory-motor responses to mechanical stimulation of the esophagus after sensitization with acid. <i>World Journal of Gastroenterology</i> , 2005, 11, 4367.	3.3	40
87	Oesophageal pressure-cross-sectional area distributions and secondary peristalsis in relation to subclassification of systemic sclerosis. <i>Neurogastroenterology and Motility</i> , 2001, 13, 199-210.	3.0	38
88	In vitro evaluation of ultrasound Doppler strain rate imaging: modification for measurement in a slowly moving tissue phantom. <i>Ultrasound in Medicine and Biology</i> , 2003, 29, 1725-1734.	1.5	38
89	Mechanical properties in the human gastric antrum using B-mode ultrasonography and antral distension. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, G368-G375.	3.4	37
90	Functional lumen imaging of the gastrointestinal tract. <i>Journal of Gastroenterology</i> , 2015, 50, 1005-1016.	5.1	37

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91	Morphology and Stress-Strain Properties Along the Small Intestine in the Rat. Journal of Biomechanical Engineering, 2003, 125, 266-273.	1.3	36
92	Two-layered quasi-3D finite element model of the oesophagus. Medical Engineering and Physics, 2004, 26, 535-543.	1.7	36
93	A two-layered mechanical model of the rat esophagus. Experiment and theory. BioMedical Engineering OnLine, 2004, 3, 40.	2.7	36
94	Cancer risk in patients with monoclonal gammopathy of undetermined significance. , 2000, 63, 1-6.		35
95	Technical advances in monitoring human motility patterns. Neurogastroenterology and Motility, 2010, 22, 366-380.	3.0	35
96	Multimodal pain stimulation of the gastrointestinal tract. World Journal of Gastroenterology, 2006, 12, 2477.	3.3	35
97	Sensory and Biomechanical Responses to Distension of the Normal Human Rectum and Sigmoid Colon. Digestion, 2001, 64, 191-199.	2.3	34
98	Longitudinal residual strain and stress-strain relationship in rat small intestine. BioMedical Engineering OnLine, 2006, 5, 37.	2.7	34
99	Impedance planimetric characterization of esophagus in systemic sclerosis patients with severe involvement of esophagus. Digestive Diseases and Sciences, 1997, 42, 2317-2326.	2.3	33
100	3d Mechanical properties of the partially obstructed guinea pig small intestine. Journal of Biomechanics, 2010, 43, 2079-2086.	2.1	33
101	Altered Brain Microstructure Assessed by Diffusion Tensor Imaging in Patients With Diabetes and Gastrointestinal Symptoms. Diabetes Care, 2013, 36, 662-668.	8.6	33
102	Effect of surface chemistry on the integrin induced pathway in regulating vascular endothelial cells migration. Colloids and Surfaces B: Biointerfaces, 2015, 126, 188-197.	5.0	33
103	Changes in oesophageal wall biomechanics after portal vein banding and variceal sclerotherapy measured by a new technique. An experimental study in rabbits.. Gut, 1988, 29, 1699-1704.	12.1	32
104	Biomechanical properties of duodenal wall and duodenal tone during phase I and phase II of the MMC. American Journal of Physiology - Renal Physiology, 1992, 263, G795-G801.	3.4	32
105	Development of a computer-controlled tensiometer for real-time measurements of tension in tubular organs. Neurogastroenterology and Motility, 1999, 11, 109-118.	3.0	32
106	The risk of bacteremia in patients with monoclonal gammopathy of undetermined significance. European Journal of Haematology, 1998, 61, 140-144.	2.2	32
107	Functional luminal imaging probe: a new technique for dynamic evaluation of mechanical properties of the anal canal. Techniques in Coloproctology, 2012, 16, 451-457.	1.8	32
108	Evaluation of anal sphincter resistance and distensibility in healthy controls using EndoFLIP Â©. Neurogastroenterology and Motility, 2012, 24, e591-9.	3.0	32

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109	Microcystin-LR induces angiodyspasia and vascular dysfunction through promoting cell apoptosis by the mitochondrial signaling pathway. <i>Chemosphere</i> , 2019, 218, 438-448.	8.2	32
110	Proximal and distal esophageal sensitivity is decreased in patients with Barrett's esophagus. <i>World Journal of Gastroenterology</i> , 2011, 17, 514.	3.3	32
111	New probe for the measurement of dynamic changes in the rectum. <i>Neurogastroenterology and Motility</i> , 2004, 16, 99-105.	3.0	31
112	Weight Loss After Gastric Banding is Associated with Pouch Pressure and not Pouch Emptying Rate. <i>Obesity Surgery</i> , 2009, 19, 850-855.	2.1	31
113	Morpho-mechanical intestinal remodeling in type 2 diabetic GK rats "Is it related to advanced glycation end product formation?. <i>Journal of Biomechanics</i> , 2013, 46, 1128-1134.	2.1	31
114	A Novel Role of Id1 in Regulating Oscillatory Shear Stress-Mediated Lipid Uptake in Endothelial Cells. <i>Annals of Biomedical Engineering</i> , 2018, 46, 849-863.	2.5	31
115	Effect of re-feeding after starvation on biomechanical properties in rat small intestine. <i>Medical Engineering and Physics</i> , 2001, 23, 557-566.	1.7	30
116	Propulsive activity induced by sequential electrical stimulation in the descending colon of the pig. <i>Neurogastroenterology and Motility</i> , 2005, 17, 376-387.	3.0	30
117	Biomechanical and Histomorphometric Colon Remodelling in STZ-Induced Diabetic Rats. <i>Digestive Diseases and Sciences</i> , 2009, 54, 1636-1642.	2.3	30
118	Fecobionics: Integrating Anorectal Function Measurements. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 981-983.	4.4	30
119	Spontaneous Anorectal Pressure Activity: Evidence of Internal Anal Sphincter Contractions in Response to Rectal Pressure Waves. <i>Scandinavian Journal of Gastroenterology</i> , 1989, 24, 115-120.	1.5	29
120	Biomechanical Properties of Porcine Cerebral Bridging Veins with Reference to the Zero-Stress State. <i>Journal of Vascular Research</i> , 2001, 38, 83-90.	1.4	29
121	Regional arterial stress-strain distributions referenced to the zero-stress state in the rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H622-H629.	3.2	29
122	Ultrasound-Determined Geometric and Biomechanical Properties of the Human Duodenum. <i>Digestive Diseases and Sciences</i> , 2006, 51, 1662-1669.	2.3	29
123	Manual pressure distension of the human saphenous vein changes its biomechanical properties "implication for coronary artery bypass grafting. <i>Journal of Biomechanics</i> , 2007, 40, 2268-2276.	2.1	29
124	A new method for evaluation of intestinal muscle contraction properties: studies in normal subjects and in patients with systemic sclerosis. <i>Neurogastroenterology and Motility</i> , 2007, 19, 11-19.	3.0	29
125	Distensibility of the anal canal in patients with systemic sclerosis: a study with the functional lumen imaging probe. <i>Colorectal Disease</i> , 2013, 15, e40-7.	1.4	29
126	Functional oesophago-gastric junction imaging. <i>World Journal of Gastroenterology</i> , 2006, 12, 2818.	3.3	29

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127	A new combined high-frequency ultrasound-impedance planimetry measuring system for the quantification of organ wall biomechanics in vivo. <i>Journal of Biomechanics</i> , 1995, 28, 863-867.	2.1	28
128	Biomechanical and histomorphometric esophageal remodeling in type 2 diabetic GK rats. <i>Journal of Diabetes and Its Complications</i> , 2007, 21, 34-40.	2.3	28
129	Fecobionics: A Novel Bionics Device for Studying Defecation. <i>Annals of Biomedical Engineering</i> , 2019, 47, 576-589.	2.5	28
130	Morphometry and strain distribution in guinea pig duodenum with reference to the zero-stress state. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, G865-G874.	3.4	27
131	Tension-strain relations and morphometry of rat small intestine in experimental diabetes. <i>Digestive Diseases and Sciences</i> , 2001, 46, 960-967.	2.3	27
132	Dynamic model of the role of platelets in the blood coagulation system. <i>Medical Engineering and Physics</i> , 2002, 24, 587-593.	1.7	27
133	Small intestinal morphometric and biomechanical changes during physiological growth in rats. <i>Journal of Biomechanics</i> , 2005, 38, 417-426.	2.1	27
134	In vivo areal modulus of elasticity estimation of the human tympanic membrane system: modelling of middle ear mechanical function in normal young and aged ears. <i>Physics in Medicine and Biology</i> , 2007, 52, 803-814.	3.0	27
135	Central neuronal mechanisms of gastric electrical stimulation in diabetic gastroparesis. <i>Scandinavian Journal of Gastroenterology</i> , 2008, 43, 1066-1075.	1.5	27
136	Passive elastic wall properties in isolated guinea pig small intestine. <i>Digestive Diseases and Sciences</i> , 1995, 40, 976-982.	2.3	26
137	Mechanical properties and collagen content differ between isolated guinea pig duodenum, jejunum, and distal ileum. <i>Digestive Diseases and Sciences</i> , 1998, 43, 2034-2041.	2.3	26
138	Structural and mechanical remodelling of the common bile duct after obstruction. <i>Neurogastroenterology and Motility</i> , 2002, 14, 111-122.	3.0	26
139	Sensory-motor responses to volume-controlled duodenal distension. <i>Neurogastroenterology and Motility</i> , 2002, 14, 365-374.	3.0	26
140	Gender Differences in Pain and Biomechanical Responses After Acid Sensitization of the Human Esophagus. <i>Digestive Diseases and Sciences</i> , 2005, 50, 2050-2058.	2.3	26
141	Novel method for measurement of medium size arterial lumen area with an impedance catheter: in vivo validation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2014-H2020.	3.2	26
142	Macrostructural Brain Changes in Patients with Longstanding Type 1 Diabetes Mellitus - a Cortical Thickness Analysis Study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2013, 121, 354-360.	1.2	26
143	Cervical Stiffness Evaluated In Vivo by Endoflip in Pregnant Women. <i>PLoS ONE</i> , 2014, 9, e91121.	2.5	26
144	Mucosal blood flow measurements using laser Doppler perfusion monitoring. <i>World Journal of Gastroenterology</i> , 2009, 15, 198.	3.3	26

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145	Controlled mechanical distension of the human oesophagus: sensory and biomechanical findings. <i>Scandinavian Journal of Gastroenterology</i> , 2003, 38, 27-35.	1.5	26
146	Three-dimensional surface model analysis in the gastrointestinal tract. <i>World Journal of Gastroenterology</i> , 2006, 12, 2870.	3.3	25
147	Sensation and distribution of stress and deformation in the human oesophagus. <i>Neurogastroenterology and Motility</i> , 2006, 18, 104-114.	3.0	25
148	Biomechanical wall properties in the isolated perfused porcine duodenum: an experimental study using impedance planimetry. <i>Neurogastroenterology and Motility</i> , 1992, 4, 125-135.	3.0	25
149	Upregulation of SDF-1 is Associated with Atherosclerosis Lesions Induced by LDL Concentration Polarization. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1018-1027.	2.5	25
150	The brain networks encoding visceral sensation in patients with gastrointestinal symptoms due to diabetic neuropathy. <i>Neurogastroenterology and Motility</i> , 2014, 26, 46-58.	3.0	25
151	Ultraporous nanofeatured PCL/PEO microfibrillar scaffolds enhance cell infiltration, colonization and myofibroblastic differentiation. <i>Nanoscale</i> , 2015, 7, 14989-14995.	5.6	25
152	Optimization, chemical constituents and bioactivity of essential oil from <i>Iberis amara</i> seeds extracted by ultrasound-assisted hydro-distillation compared to conventional techniques. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2019, 13, 100204.	1.5	25
153	Novel Fecobionics Defecatory Function Testing. <i>Clinical and Translational Gastroenterology</i> , 2019, 10, e00108.	2.5	25
154	Morphological properties and residual strain along the small intestine in rats. <i>World Journal of Gastroenterology</i> , 2002, 8, 312.	3.3	25
155	Determination of biomechanical properties in guinea pig esophagus by means of high frequency ultrasound and impedance planimetry. <i>Digestive Diseases and Sciences</i> , 2000, 45, 1260-1266.	2.3	24
156	Histomorphometry and strain distribution in pig duodenum with reference to zero-stress state. <i>Digestive Diseases and Sciences</i> , 2000, 45, 1500-1508.	2.3	24
157	Viscoelastic Behavior of Small Intestine in Streptozotocin-Induced Diabetic Rats. <i>Digestive Diseases and Sciences</i> , 2003, 48, 2271-2277.	2.3	24
158	Differences Between Male and Female Responses to Painful Thermal and Mechanical Stimulation of the Human Esophagus. <i>Digestive Diseases and Sciences</i> , 2004, 49, 1065-1074.	2.3	24
159	Biomechanical Remodeling of the Chronically Obstructed Guinea Pig Small Intestine. <i>Digestive Diseases and Sciences</i> , 2007, 52, 336-346.	2.3	24
160	Imaging of the gastrointestinal tract-novel technologies. <i>World Journal of Gastroenterology</i> , 2009, 15, 160.	3.3	24
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